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# REVISION 1 TO THE APOLLO 9 SPACECRAFT OPERATIONAL TRAJECTORY

# VOLUME I - MISSION PROFILE

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Orbital Mission Analysis Branch

MISSION PLANNING AND ANALYSIS DIVISION

MANNED SPACECRAFT CENTER
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PROJECT APOLLO

# REVISION 1 TO THE APOLLO 9 SPACECRAFT OPERATIONAL TRAJECTORY VOLUME I - MISSION PROFILE

By Harold L. Conway, Robert S. Merriam and Harold O. Spurlin
Orbital Mission Analysis Branch

January 31, 1969

MISSION PLANNING AND ANALYSIS DIVISION
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
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# REVISION 1 TO THE APOLLO 9 SPACECRAFT OPERATIONAL TRAJECTORY

## VOLUME I - MISSION PROFILE

By Harold L. Conway, Robert S. Merriam, and Harold O. Spurlin

## 1.0 SUMMARY

The first revision of the Apollo 9 spacecraft operational trajectory is published in two volumes and supersedes all previously published spacecraft trajectory data. This volume, Volume I, describes the mission profile and ΔV maneuvers that include five docked SPS burns, one docked long-duration DPS burn, an LM-active rendezvous, an APS burn-to-depletion, and three CSM solo SPS burns. A summary of the spacecraft lighting, tracking, ground tracks, trajectory input parameters, and sequence of events is also presented. Volume II presents the trajectory listing of both the CSM and LM trajectories in parts 1 and 2, respectively. Volume III, which normally contains MSFN aspect angle time histories and AOS and LOS data for the CSM and LM, will not be published.

Revisions in the operational trajectory which are reflected in this report are as follows:

1. Trajectory data defining the transposition and docking not available in the operational trajectory is now presented in Volume II.

2. The docked DPS burn has been increased 3 seconds at the 40 percent throttle setting following the 280-second fixed throttle point burn. The DPS burn is now 367 seconds long and targeted for 371 seconds.

3. The initial conditions for the trajectory generation now reflect an AS-504 boost to orbit (which results in a slightly different trajectory initialization). CSM-104 initial weights have been used instead of CSM-103 weights and consumables usage has also been accounted for through the entire mission.

4. SPS-7 ΔV has been increased slightly and retargeted to give approximately 30° apsidal rotation to reduce the SM RCS deorbit ΔV requirements at the end of the nominal mission.

5. The Mercury has been relocated to better support the rendezvous sequence - in particular the phasing burn.

6. Finally, the ullage times have been corrected. All docked SPS maneuvers requiring ullage are accomplished using four jets. The deorbit burn is also preceded by a four-jet ullage. SPS-6 and SPS-7 maneuvers use two jets to settle the propellant. All DPS burn are preceded by two-jet LM ullage, and all APS burns use four-jet ullage.

## 2.0 INTRODUCTION

Apollo 9 (i.e., Mission D) is planned as a 10-day, earth orbital, combined CSM and LM operations mission which will demonstrate the capability of the CSM and LM to perform selected functions of the lunar landing mission. This will be the second manned Saturn V mission and the first mission in the flight test program which includes both manned CSM and LM operations. The mission also features the only EVA of the test program prior to the lunar landing mission.

### 2.1 Purpose

The purpose of this document is to provide the spacecraft operational trajectory and attitude environmental data for evaluating the CSM and LM systems for crew training, mission support, and consumables analysis. The trajectory profile is designed to satisfy the ASPO mission requirements and test objectives using the known spacecraft and launch vehicle constraints, the spacecraft mass, aerodynamic and performance properties, ground support network and facilities, and the spacecraft guidance equations and logic. This profile is intended not only to update but also to expand and improve all prior trajectories for this mission and will be revised as necessary to reflect changes to the planned mission.

### 2.2 Scope

This report is published in two volumes. The second volume is the detailed trajectory listing for both the CSM and LM. In part 1 of Volume II, CSM parameters (Internal Note 69-FM-18), the CSM listing begins shortly before transposition and docking and continues through reentry and touchdown. In part 2, LM and CSM/LM separation parameters (Internal Note 69-FM-19), the LM listing begins shortly before transposition and docking and ends after the ascent burn to depletion.

Separation parameters between the CSM and LM are presented for the transposition and docking, and the rendezvous sequence.

Volume III, MSFN tracking data, will not be published for this report; however, AOS and LOS tracking data normally contained in Volume III is presented in Volume I.

## 2.3 Mission Profile Summary

Apollo 9 (i.e., Mission D) is planned as a 10-day, earth orbital, combined CSM and LM operations mission which will demonstrate the capability of the CSM and LM to perform selected functions of the lunar landing mission.

The mission duration of Apollo 9 is approximately 10 days, and launch is scheduled for the first quarter of 1969. The assumed launch date for trajectory generation is February 20, 1969, at 1600 G.m.t. (1100 e.s.t.) from complex 39A. This lift-off time represents the first opportunity of the 3-hour window. The flight azimuth is 72° from true north.

The mission profile is separated into six periods of activities.

The first period extends from lift-off to $19^h00^m$ g.e.t. and includes the following events:

1. Launch
2. Insertion
3. T&D and LM ejection
4. Two S-IVB restarts after LM ejection
5. SPS-1 (36.8 fps - docked)

The second period beings at $19^h00^m$ g.e.t. and ends at $40^h00^m$ g.e.t. and contains the following events:

1. SPS-2 (849.4 fps - docked)
2. SPS-3 (2548.2 fps - docked)
3. SPS-4 (299.8 fps - docked)

The third period is initiated at $40^h00^m$ g.e.t. and ends at $66^h30^m$ g.e.t. and includes the following events:

1. LM systems evaluation
2. DPS-1 (1714.1 fps - docked)
3. SPS-5 (550.6 fps - docked)

The fourth period extends from $66^h30^m$ g:e.t. to $87^h00^m$ g.e.t. and includes the following events:

1. EVA preparation

2. EVA

The fifth period extends from $89^h00^m$ to $114^h00^m$ g.e.t. and includes the following events:

1. LM-active rendezvous

2. Unmanned APS long-duration burn - propellant depletion

The sixth and final period begins at $114^h00^m$ and terminates at $238^h46.5^m$ and contains the following events:

1. SPS-6 (66.1 fps - CSM solo)

2. SPS-7 (173.6 fps - CSM solo)

3. SPS-8 (252.9 fps - deorbit)

## 3.0 ABBREVIATIONS

| | |
|---|---|
| ACN | Ascension tracking station |
| AGS | abort guidance system |
| ANG | Antigua tracking station |
| AOS | acquisition of signal |
| APS | ascent propulsion system |
| ARIA | Apollo range instrumented aircraft |
| ASPO | Apollo Spacecraft Program Office |
| BDA | Bermuda tracking station |
| CAL | California tracking station |
| CDH | constant differential height |
| CES | control electronics system |
| CM | command module |
| CRO | Carnarvon tracking station |
| CSI | concentric sequence initiation |
| CSM | command and service modules |
| DAP | digital autopilot |
| DPS | descent propulsion system |
| DPS-1 | first DPS burn |
| EMS | entry monitoring system |
| EMU | extravehicular mobility unit |
| e.s.t. | eastern standard time |
| ETR | Eastern Test Range |

| | |
|---|---|
| EVA | extravehicular activity |
| EVT | extravehicular transfer |
| FTP | fixed throttle point |
| GBM | Grand Bahama tracking station |
| GDS | Goldstone tracking station |
| g.e.t. | ground elapsed time |
| G.m.t. | Greenwich mean time |
| G&N | guidance and navigation |
| GNCS | guidance, navigation, and control subsystem |
| GYM | Guaymas tracking station |
| HAW | Hawaii tracking station |
| HSK | Honeysuckle Creek tracking station |
| IMU | inertial measurement unit |
| IU | instrumentation unit |
| IVT | intravehicular transfer |
| LET | launch escape tower |
| $LH_2$ | liquid hydrogen |
| LM | lunar module |
| LOS | loss of signal |
| LOX | liquid oxygen |
| LV | launch vehicle |
| MER | Mercury tracking ship |
| MIL | Merritt Island tracking station |
| MSFN | Manned Space Flight Network |

| | |
|---|---|
| PGNCS | primary guidance and navigation control subsystem |
| PLSS | portable life support system |
| PRE | Pretoria tracking station |
| RCS | reaction control subsystem |
| RED | Redstone tracking ship |
| SLA | spacecraft LM adapter |
| SM | service module |
| SPS | service propulsion system |
| SPS-1, SPS-2, ..., SPS-8 | first through eighth SPS burns |
| S-IC | Saturn IC, LV first stage |
| S-II | Saturn II, LV second stage |
| S-IVB | Saturn IVB, LV third stage |
| TAN | Tananarive tracking station |
| T&D | transposition and docking |
| TEX | Corpus Christi tracking station |
| TLI | translunar injection |
| TPI | terminal phase initialization |
| TPF | terminal phase finalization |
| VAN | Vanguard tracking ship |

## 4.0 DATA SOURCES FOR GENERATION OF THE OPERATIONAL TRAJECTORY

The initial conditions for the trajectory generation now reflect an AS-504 boost to orbit which results in a slightly different trajectory than for the operational trajectory. CSM-104 weights are now used instead of CSM-103 weights, which were used in the operational trajectory. Consumables usage is considered for the entire mission and so reflected in the weights. Input data used to calculate the Apollo 9 trajectory were taken from the following sources:

| | |
|---|---|
| Mission objectives . . . . . | reference 1 |
| Mission constraints . . . . . | references 2, 3, 4, 5 |
| State vector at LM ejection . . . . . | reference 6 |
| Spacecraft aerodynamics, initial weights, weight history, engine performance, earth and atmosphere constants, tracking ship locations, and braking dates . . . | table I(a) through I(g), respectively |
| Spacecraft guidance equations and logic . . . . . | references 7, 8, 9 |
| MSFN station locations and tracking equipment . . . . . | reference 10 |
| U.S. 1962 Standard Atmosphere . . . . . | reference 11 |
| Fischer Earth Model of 1960 . . . . . | reference 12 |

## 5.0 OPERATIONAL TRAJECTORY DESCRIPTION

This section of the report describes the major mission events occurring during each of the six periods of activity into which the mission has been divided. Table II lists the detailed test objectives which require specific trajectory and/or vehicle attitude planning. The discussion of each period of activity indicates which of the objectives are accomplished in that period.

A summary of events, lighting, and tracking relative to mission elapsed time is included in figure 1. The earth ground tracks for the CSM are given in figure 2. The launch vehicle sequence of events is given in table III, and the S-IVB attitude timeline for the nominal mission and for the case where no second S-IVB burn occurs is given in table IV. A spacecraft sequence of events may be found in table V. AOS and LOS data based on both 0° and 5° elevation angles for the network support stations are presented in table VI(a) for the CSM and in table VI(b) for the LM. Sunrise and sunset times and moon rise and moon set times relative to the CSM are presented in table VII(a) and those for the LM are included in table VII(b).

### 5.1 First Period of Activities

5.1.1 Post-insertion activities.- Following insertion into a 103-n. mi. near-circular parking orbit, the S-IVB maintains the cutoff attitude for 20 seconds before maneuvering the complete configuration to a local horizontal attitude. The S-IVB then imparts an orbital rate to the CSM/LM/S-IVB combination. The flight crew then conducts a series of systems checks and configures the CSM for orbital operations. A pre-TLI demonstration is conducted within the first orbit, and the CSM platform is then realigned to the launch orientation in the first period of darkness.

5.1.2 Transposition and docking.- At approximately $2^h34^m$ g.e.t. the S-IVB assumes a T&D attitude with the CSM pitched 10° below the local horizontal and yawed 15° S from the orbital plane. This T&D attitude corresponds to an inertial altitude defined by the S-IVB IU gimbal angles as follows:

| | |
|---|---|
| Inner, deg . . . . . | 4.36 |
| Middle, deg . . . . . | 14.78 |
| Outer, deg . . . . . | 1.43 |

Adequate T&D lighting will be provided by the previously defined angles for a 3-hour launch window from February 20, 1969, to May 20, 1969. Additional information concerning the T&D attitude can be found in reference 13. Trajectory data defining the T&D not available in the operational trajectory can be found in Volume II of this revision.

At sunrise, approximately $2^h43^m$ g.e.t., the CSM separates from the S-IVB/LM with a 1-fps $\Delta V$. The SLA panels are jettisoned at the time of CSM separation. Coasting about 1 minute to a range of 50 ft, the CSM reduces the separation velocity to 0.5 fps, pitches 180° for the crew to look at the S-IVB/LM, and nulls the separation velocity. The CSM then closes on the S-IVB/LM.

After reaching the docking interface the CSM maintains its position relative to the S-IVB/LM for a period of approximately 15 minutes. Having rolled -60°, the CSM then soft docks with the LM at approximately $3^h07^m$ g.e.t. The LM is repressurized, and hard docking is completed before entry into darkness.

5.1.3 LM ejection and separation.- The CSM remains docked through the third period of darkness, and at approximately $4^h09^m$ g.e.t. the LM is ejected from the S-IVB. The CSM/LM coasts about 2.5 minutes before a 3-second SM RCS burn provides permanent separation between the CSM/LM and S-IVB before the first S-IVB restart.

5.1.4 S-IVB restarts.- The S-IVB returns to a local horizontal attitude at approximately $4^h25^m$ g.e.t. and preparations begin for the first of two S-IVB restarts. The first occurs at approximately $4^h44^m42^s$ g.e.t. (90 percent thrust). The second restart occurs at approximately $6^h06^m$ g.e.t. (90 percent thrust), and the scheduled LOX and $LH_2$ propellant dumps are completed by $6^h27^m$ g.e.t. Reference 6 contains detailed information on the S-IVB activities for this mission.

5.1.5 SPS-1.- Meanwhile, the CSM IMU is realigned to the preferred alignment, and at $6^h01^m40^s$ g.e.t. as the CSM/LM passes over Hawaii the first docked SPS burn occurs. The 5-second, 36.8-fps burn is GNCS-controlled and uses external-$\Delta V$ targets. Resulting apogee and perigee altitudes are 128 n. mi. and 113 n. mi., respectively. No ullage is required. A partial demonstration of the capability of the GNCS to control the spacecraft in a docked configuration during a $\Delta V$ maneuver is accomplished during the burn (CSM autopilot stability margin).

5.1.6 Objectives satisfied.- Those objectives which required specific trajectory or attitude planning which were satisfied during the first period were the CSM-active docking (M20.24), and LM ejection from the SLA (P20.25). The CSM autopilot stability margin (P1.23) was partially satisfied during this period.

## 5.2 Second Period of Activities

5.2.1 SPS-2.- At $22^h12^m00^s$ g.e.t., as the CSM/LM passes over the BDA tracking station, the first of this period's three long-duration, docked SPS burns takes place. The GNCS-controlled, external-$\Delta V$ burn is targeted primarily to shift the node eastward but also has a small in-plane $\Delta V$ component to raise apogee to 192 n. mi. The nodal shift resulting from SPS-2 (and for SPS-3, SPS-4, and DPS-1) is necessary to open the launch window to approximately 3 hours. (For various late lift-offs within the launch window, some of the maneuvers will be reoriented to shift the line of nodes westward.) The apogee adjustment of this burn also permits large crew monitoring limits and prevents trajectory problems due to low perigee if large attitude dispersions occur during the burn. Additional trajectory objectives of this burn are to provide continuous SM RCS deorbit capability and to reduce the SM RCS propellant requirements for LM rescue during the rendezvous period by reducing the CSM mass. Approximately 7320 lb of SPS propellant are consumed during the 111.1-second, 849.6-fps burn. If rigid body transients were not observed on SPS-1, the SPS pitch gimbal will be intentionally misaligned $0.5^\circ$. The burn partially demonstrates the CSM DAP attitude control capability, and the 40 percent amplitude stroking test is performed. No ullage is required.

5.2.2 SPS-3.- Approximately two revolutions after SPS-2, the CSM/LM passes over the MIL tracking station at $25^h18^m30^s$ g.e.t., and a 279.4 second, 2548.2-fps, GNCS-controlled, external-$\Delta V$ burn nominally shifts the line of nodes approximately $10^\circ$ E. Although targeted primarily out of plane to give a large nodal shift, a small in-plane $\Delta V$ component raises apogee from 192 n. mi. to 270 n. mi. and allows for possible large attitude excursions and large crew monitoring limits.

Approximately 18 575 lb of SPS propellant is consumed during the burn, further increasing the SM RCS capability for use in LM rescue or backup SM RCS deorbit. Not less than 10 seconds after ignition and no later than 30 seconds before termination, a full amplitude stroking test is employed. This test completes the CSM DAP stability margin objective.

5.2.3 SPS-4.- The final burn of the second period of activities takes place at $28^h20^m00^s$ g.e.t. over Texas. This burn is also GNCS-controlled and nominally targeted to shift the line of nodes $1^\circ$ E. The

28.0-second, GNCS-controlled, external-ΔV burn provides 299.8 fps out of plane. Apogee and perigee altitudes (271 n. mi. and 115 n. mi., respectively) remain unchanged. If, however, launch is delayed more than 15 minutes, the burn will be retargeted with an in-plane component to adjust apogee (a phasing prior to rendezvous initiation) to return the trajectory to nominal lighting and tracking during the rendezvous. An 18-second, four-jet ullage is required. (All docked SPS maneuvers requiring ullage are accomplished using four jets.)

5.2.4 Objectives satisfied.- The CSM autopilot stability margin objective (P1.23) was completed during this period.

## 5.3 Third Period of Activities

5.3.1 LM power-up and systems check.- The third period, beginning at approximately $40^h00^m$ g.e.t., is devoted primarily to LM systems checkout and evaluation. At approximately $42^h15^m$ g.e.t. the two LM crew members transfer intravehicularly to the LM. The IVT will demonstrate the crew's ability to transfer to the LM by this method, and it will verify procedures and premission planning times associated with the transfer. After transfer, the LM crew will power-up the LM and conduct a systems check and evaluation. This activity terminates at the beginning of the docked DPS burn.

5.3.2 Docked DPS burn.- The DPS ignites at $49^h42^m00^s$ g.e.t. and burns for 367.0 seconds (280 seconds at FTP), and is under PGNCS attitude control. The burn time is sufficient to verify LM PGNCS DAP attitude control capability during a docked thrusting maneuver. The flight crew will also demonstrate manual throttling and termination of the descent engine.

After the DPS has burned for 280 seconds at FTP, the flight crew will manually throttle the DPS during the remainder of the burn and will manually terminate the burn. Crew takeover corresponds to a point at which 124-fps ΔV remain to be gained. Although the burn is targeted to 371 seconds, the burn is terminated 4 seconds early to insure a manual cutoff.

The LM DPS thrust profile, as shown in figure 3, results in 1714.1 fps being used to shift the line of nodes east by 6.9° for a nominal launch time. For late lift-offs the burn will be targeted to always give an apogee of 270 n. mi. and a perigee of 115 n. mi. A 10-second, LM RCS two-jet ullage is planned. (All ullages for DPS ΔV maneuvers are planned as two-jet ullages.)

After the docked DPS burn, which is covered by MIL and BDA, the LM systems are powered down, and the LM crew returns to the CSM through the tunnel. The docked DPS burn in this report has been increased from that in the operational trajectory by 3 seconds at the 40 percent throttle point following the 280 FTP burn.

5.3.3 SPS-5.- At $54^h25^m16^s$ g.e.t., the SPS burns for 41.4 seconds over the ETR. The resulting 550.6 fps from the PGNCS-controlled burn circularizes the orbit at a 133-n. mi. altitude. The resulting circular orbit is the base orbit from which the LM-active rendezvous will be initiated in the fifth period. An 18-second, four-jet ullage is required. For late lift-offs SPS-5 will continue to be a circularization maneuver and will always be targeted for at least 40 seconds.

5.3.4 Objectives satisfied.- Objectives requiring specific attitude or trajectory planning which were satisfied during this period were the DPS burn duration effects (M13.12), and LM PGNCS DAP performance and thrust performance (M11.6).

## 5.4 Fourth Period of Activities

5.4.1 EVA preparation.- At approximately $69^h25^m$ g.e.t., two crewmen will move through the docking tunnel to the LM and power up and check LM systems. One LM crew member will don the EMU and, after a thorough checkout, will egress the LM at approximately $71^h40^m00^s$ g.e.t.

5.4.2 EVA.- The EVA crewman will move from the LM to the CM side hatch using the surface translation aids. The EVA crewman will then ingress the CSM. After a brief rest the EVA crewman will egress the CSM and move back to the LM. Some of the EVA activities are to (1) evaluate the CM hatch, (2) retrieve and stow collected samples, (3) evaluate EVA light, and (4) perform EVA photography.

5.4.3 Post-EVA.- Entering the LM through the forward hatch, the EVA crewman will doff the EVA equipment after repressurization of the LM. The PLSS is then recharged, and the LM systems are shut down before the LM crew does an IVT through the docking tunnel.

5.4.4 Objectives satisfied.- The extravehicular activity objective, M20.35, was completed during this period (table II).

## 5.5 Fifth Period of Activities

5.5.1 Rendezvous profile.- The rendezvous profile begins with a 5-fps $\Delta V$ radially down, small "football" separation by the SM RCS

(called a "football" because of the appearance of the LM's motion relative to the CSM; see fig. 4). The small football resulting from the 5-fps SM RCS burn is included to prevent the LM or CSM from wasting attitude propellant while stationkeeping during platform alignments. In addition, the maximum separation of 2.8 n. mi. is sufficient to prevent recontact of the CSM and LM during the large football phase. One-half orbit after the small football the LM burns radially up into a larger football from which it then maneuvers into a concentric orbit above and behind the CSM. After a period of coelliptic coast, the LM proceeds through one CSI-CDH sequence which sets up the conditions for the nominal LM-active TPI from below and behind.

Since this is the first manned LM separation from the CSM that is of any significant distance, the larger football resulting from the radial burn is included mainly as a safety measure. The football will permit a less difficult LM return to the CSM if the situation dictates. The large LM radial burn, termed the phasing burn, is the only AGS-controlled maneuver on the nominal mission. For all other LM burns the PGNCS will be primary, and the AGS will be in a monitor mode.

During the rendezvous the CSM will orient for and prepare to execute any maneuver that the LM is unable to perform.

5.5.2 SM RCS initiated football phase.- The fifth period of activities begins with the intravehicular transfer of the two LM crew members at approximately $89^h00^m$ g.e.t. After LM power-up and systems checkout, both the LM and CSM IMU's are aligned. The LM alignment is that of a "nominal" alignment for the TPI, and the time on which the alignment is based corresponds to the time of ignition at TPI. The +X CSM stable member is colinear with the +Z LM stable member, the +Y CSM is colinear with the +Y LM stable member, and the +Z CSM stable member is colinear with the -X LM stable member. Following IMU alignments, the CSM and LM undock approximately 25 minutes before the SM RCS separation burn and stationkeep until approximately $93^h05^m45^s$ g.e.t. The SM RCS then provides a 5-fps radially-down burn to place the CSM into an equiperiod orbit (small football). The maneuver is performed with the -Z body RCS thrusters.

Because of nonnominal burn executions and differential atmospheric drag, the 5-fps $\Delta V$ is large enough to prevent recontact of the CSM and yet small enough to permit a simplified abort of the nominal rendezvous. After an IMU fine-alignment rendezvous radar checkout, the LM maneuvers for the AGS-controlled DPS phasing maneuver.

5.5.3 LM DPS phasing maneuver.- At $93^h50^m04^s$ g.e.t. after a 7-second, two-jet RCS ullage, the DPS, at 10 percent thrust for 15 seconds and 40 percent thrust for 9.9 seconds, provides 85-fps ΔV radially up. With this phasing burn over MER, the LM is placed into an equiperiod trajectory with apogee and perigee approximately 11.2 n. mi. above and below that of the CSM and with the maximum LM-to-CSM range (at the horizontal crossing) approximately 47.9 n. mi.

The resulting football is planned so that favorable lighting and MSFN coverage as well as acceptable ΔV's exist if a 130° terminal phase transfer near perigee is required. Such a transfer ($TPI_0$) would be applicable if the nominal rendezvous profile were aborted prior to the coelliptic maneuver called the insertion burn. Once the decision is made to continue the rendezvous, the LM coasts approximately 111.7 minutes after the phasing burn through the $TPI_0$ position (near perigee of the football) to a position near apogee.

5.5.4 LM DPS insertion maneuver.- At approximately $95^h41^m48^s$ g.e.t. following a 7-second, two-jet RCS ullage, the DPS ignites over GYM and burns for 24.4 seconds at 10 percent thrust to provide 39.9-fps ΔV. The PGNCS-controlled, external-ΔV burn establishes a near-circular orbit approximately 11.2 n. mi. above that of the CSM. Following the burn the LM coasts for approximately 40.2 minutes before staging for the CSI maneuver.

5.5.5 LM RCS-interconnect CSI maneuver.- At approximately $96^h22^m00^s$ g.e.t. the CSI (a horizontal, retrograde burn over TAN) is scheduled. Staging occurs at the beginning of the 29.6-second, four-jet interconnect, PGNCS-controlled burn. The 37.8-fps ΔV from the maneuver creates a perigee approximately 10.1 n. mi. below that of the CSM.

5.5.6 LM APS CDH maneuver.- After a 44.4-minute coast the LM reaches perigee. Following a 4-second, four-jet LM RCS ullage, the APS burns for 2.9 seconds and provides 37.9-fps ΔV, nearly horizontal and regrograde. The PGNCS-controlled burn over RED establishes a near-circular orbit approximately 10.1 n. mi. below the CSM. At burn termination the LM trails the CSM by 75.8 n. mi. (All APS ullages are planned as four-jet ullages.) The CDH occurs at $97^h06^m23^s$.

5.5.7 LM RCS TPI maneuver.- The LM coasts approximately 54 minutes after CDH before reaching the TPI point. Initiated near TAN on an elevation angle of 27.5° at approximately 8 minutes into darkness, the TPI burn of 17.0 seconds (four-jet RCS interconnect) and 21.9-fps ΔV is applied primarily along the line of sight. The 130° terminal phase requires about 45 minutes (including braking).

The braking schedule assumed for the trajectory generation is presented in table I(f).

Stationkeeping begins at approximately $98^h37^m$ g.e.t. over HAW and docking is assumed to occur at $98^h53^m$.

5.5.8 APS long-duration burn.- After docking the crew configures the ascent stage for the long APS burn and then returns to the CSM. The CSM jettisons the ascent stage at approximately $99^h46^m$ and applies 3.0 fps at $99^h56^m$ out of plane to provide a safe separation at APS ignition. At approximately $100^h26^m00^s$ g.e.t., the APS thrusts for an estimated 360.0 seconds to propellant depletion. The LM IMU remains unchanged from the alignment for the rendezvous and consequently the thrust is targeted to a maximum of 45° out of plane to prevent gimbal lock. The resulting 5658.5 fps from the PGNCS-controlled, external-ΔV burn over GYM, TEX, and MIL raises apogee to a 4177.2-n. mi. altitude. The burn is preceded by a four-jet, 3-second ullage, and the interconnect remains open through the burn to provide attitude control.

5.5.9 Objectives satisfied.- Those objectives requiring specific trajectory planning which were satisfied during this period include CSM single-crewman rendezvous capability (P20.33), AGS ΔV capability using DPS (P12.4), LM jettison (P20.29), LM-CSM undocking (P20.26), PGNCS-controlled APS burn (P11.14), AGS CES attitude translation control (P12.3), rendezvous radar tracking performance (P16.4), LM elevation rendezvous (P20.27), LM-active docking (M20.28), and a long-duration APS burn (M13.11).

## 5.6 Sixth Period of Activities

If the SPS becomes unable to deorbit the CM, the SM RCS will be required to effect the deorbit. The ΔV available from the SM RCS is adequate for this purpose through the first five periods of activity.

To reduce the RCS ΔV requirements for deorbit in the sixth period of activities, or, equivalently, to reduce the SM RCS propellant reserved for the backup deorbit, a perigee adjustment is scheduled the day following rendezvous.

5.6.1 SPS-6.- At approximately $122^h01^m00^s$ g.e.t. the SPS thrusts over CRO for 2.5 seconds under control of the GNCS using external-ΔV targets. Preceded by an 18-second, two-jet ullage the burn yields 66.1 fps and lowers perigee to 95 n. mi.

5.6.2 SPS-7.- Two days following the SPS-6 perigee adjustment the final trajectory adjustment occurs before deorbit. The burn, SPS-7, occurs at $169^h49^m$ and is designed to raise apogee to 210 n. mi. and to position apogee favorably in the southern hemisphere. This positioning is desirable because (1) it allows more free-fall time to 400 000 ft (assumed entry interface) after the nominal SPS deorbit, and (2) it slightly reduces the RCS $\Delta V$ requirements for backup SM RCS deorbit into the nominal recovery area. The positioning of apogee is accomplished by a 30° apsidal rotation (approximately) and a slight increase in the SPS-7 burn from the operational trajectory is required to rotate the orbit properly.

The maneuver, scheduled over MIL, requires 6.8 seconds of burn and 173.6 fps of $\Delta V$. An 18-second, two-jet ullage is necessary prior to SPS ignition. The burn is GNCS-controlled and uses external-$\Delta V$ targets.

5.6.3 SPS-8.- The deorbit maneuver, SPS-8, is scheduled at $238^h11^m47^s$ g.e.t., which is slightly less than three days after SPS-7. The retrofire occurs approximately 1100 n. mi. southeast of Hawaii and is covered by RED. The deorbit burn of 9.6 seconds and 252.9 fps is a GNCS-controlled, external-$\Delta V$-targeted maneuver which requires a 13-second, four-jet ullage. (Note that SPS-6 and SPS-7 are preceded by two-jet ullage while the SPS-8 is four-jet.)

5.6.4 Pre-entry sequence.- At $238^h11^m56.6^s$ g.e.t. the SPS engines will be cut off, and an 18.5-minute coast to atmospheric entry will be started. Approximately 90 seconds following the deorbit burn, the SM will be jettisoned. The crew will manually yaw the CSM 45° out of plane to the north before separation, a short time is allowed for an adequate separation distance, and the spacecraft is maneuvered to the reentry trim attitude.

5.6.4.1 Reentry: Reentry at 400 000-ft altitude will occur at 32.6° N geodetic latitude and 94.8° W longitude approximately 18.5 minutes after SPS retrofire. The deorbit point and subsequent ground track and pertinent geocentric locations of various deorbit and reentry events are shown in figure 5. Landing of the CM following an open loop reentry occurs at approximately $238^h46^m30^s$ g.e.t. at 59.9° W longitude and 31.1° N geodetic latitude. The approximate maneuver envelope is given in figure 6. A closed-loop reentry simulation and reentry targeting for this mission can be found in references 23 and 24.

Deorbit and reentry state vectors for the SPS deorbit are given in table VIII. Table I(a) contains the reentry trim aerodynamic coefficients for Mach numbers 0.2 through 29.5.

5.6.5 SM RCS backup deorbit.- This section describes events which would be applicable if SPS-8 does not occur. Shortly before SPS-8, it is assumed that some systems failure is discovered which would prevent the SPS from being used to deorbit the CM. The CSM would then coast approximately 3/4 revolution to a position over Carnarvon. At approximately $239^h26^m45^s$ g.e.t. the SM RCS (four-jet PGNCS) would burn for 204.3 seconds providing 100.9-fps $\Delta V$.

5.6.6 SM RCS pre-entry sequence.- At $239^h30^m9.7^s$ g.e.t. the SM/RCS engines will be cut off and a 33.3-minute coast to atmospheric entry will be started. The crew will manually yaw the CSM 45° out-of-plane to the north before separation to ensure against possible CM/SM recontact. After CM/SM separation a short time is allowed for an adequate separation distance, and the CM is maneuvered to the reentry trim attitude.

5.6.6.1 Reentry: Reentry at 400 000-ft altitude will occur at 32.9° N geodetic latitude and 102.6° W longitude approximately 33.3 minutes after the SM RCS deorbit burn. The deorbit point and subsequent ground track and pertinent geographic locations of various deorbit and reentry events are shown in figure 7. The approximate maneuver envelope following the RCS deorbit is given in figure 8. Landing of the CM following an open-loop reentry occurs at approximately $240^h21^m20^s$ g.e.t. at 60° W longitude and 22.2° N geodetic latitude. A closed-loop reentry simulation and a discussion of reentry targeting following an SM RCS deorbit can be found in references 23 and 24.

The reentry interface velocity and flight-path angle for the end-of-mission SM RCS deorbit is presented in table IX.

TABLE I.- TRAJECTORY SIMULATION PARAMETERS

(a) Command module trim aerodynamics for end of mission entry configuration[a]

[Nominal center of gravity location:

$X_{cg}$ = 1041.1 in., $Y_{cg}$ = -0.1 in., $Z_{cg}$ = 6.3 in.]

| Mach number<br>M | Lift coefficient<br>$C_L$ | Drag coefficient<br>$C_D$ | Lift-to-drag ratio<br>L/D | Trim angle of attack, deg<br>$\alpha_T$ |
|---|---|---|---|---|
| 0.2 | 0.2462 | 0.8224 | 0.2994 | 170.47 |
| 0.4 | 0.2558 | 0.8510 | 0.3006 | 166.63 |
| 0.7 | 0.2739 | 0.9788 | 0.2799 | 163.45 |
| 0.9 | 0.3352 | 1.0563 | 0.3173 | 160.66 |
| 1.1 | 0.5149 | 1.1520 | 0.4470 | 153.44 |
| 1.2 | 0.4989 | 1.1409 | 0.4373 | 153.86 |
| 1.35 | 0.5850 | 1.2618 | 0.4637 | 152.73 |
| 1.65 | 0.5668 | 1.2475 | 0.4543 | 151.83 |
| 2.0 | 0.5448 | 1.2405 | 0.4391 | 151.58 |
| 2.4 | 0.5203 | 1.2087 | 0.4305 | 151.98 |
| 3.0 | 0.4914 | 1.1832 | 0.4153 | 152.63 |
| 4.0 | 0.4549 | 1.1899 | 0.3823 | 154.82 |
| 10.0 | 0.4415 | 1.1992 | 0.3682 | 155.57 |
| 29.5 | 0.4030 | 1.2668 | 0.3181 | 158.91 |

[a]References 14 and 15.

TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Continued

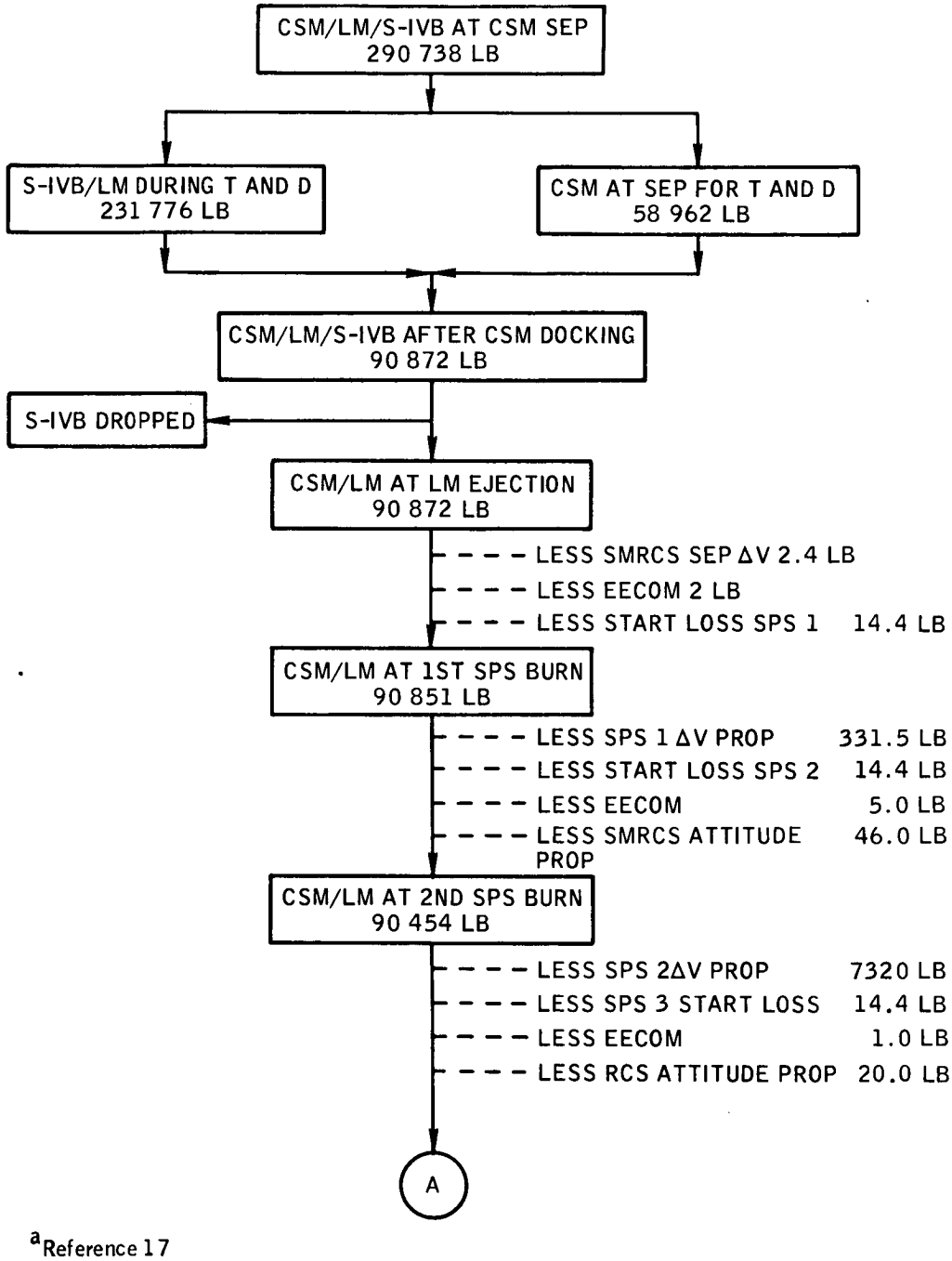
(b) Weights[a]

| | |
|---|---|
| **Module weights:** | |
| CSM at insertion (crew, equipment, propellant), lb | 58 962.0 |
| LM at insertion, lb | 32 000.0 |
| SLA less ring, lb | 4 002.0 |
| Total injected, lb | 94 964.0 |
| **Propellant weights:** | |
| SPS propellant (includes 862.4 lb unusable), lb | 35 970.0 |
| DPS propellant (includes 469.5 lb unusable), lb | 17 944.0 |
| APS propellant (includes 140.6 lb unusable), lb | 4 136.0 |
| SM RCS propellant (includes 57.6 lb unusable), lb | 1 362.4 |
| CM RCS propellant (includes 38.8 lb unusable), lb | 270.0 |
| LM RCS propellant (includes 45.0 lb unusable), lb | 633.0 |
| **Miscellaneous weights:** | |
| Total ascent stage and propellant, lb | 9 807.0 |
| Total descent stage and propellant, lb | 22 193.0 |
| LM crew and equipment, lb | 438.8 |
| CM at insertion, lb | 12 319.0 |
| CM at entry interface, lb | 12 191.1 |
| CM at main chute deployment, lb | 11 693.4 |
| CM at touchdown, lb | 11 007.5 |

[a]From reference 16.

TABLE I.- TRAJECTORY SIMULATION PARAMETERS

(c) Spacecraft weights for critical mission events[a]




[a]Reference 17

TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Continued

(c) Spacecraft weights for critical mission events[a] - Continued

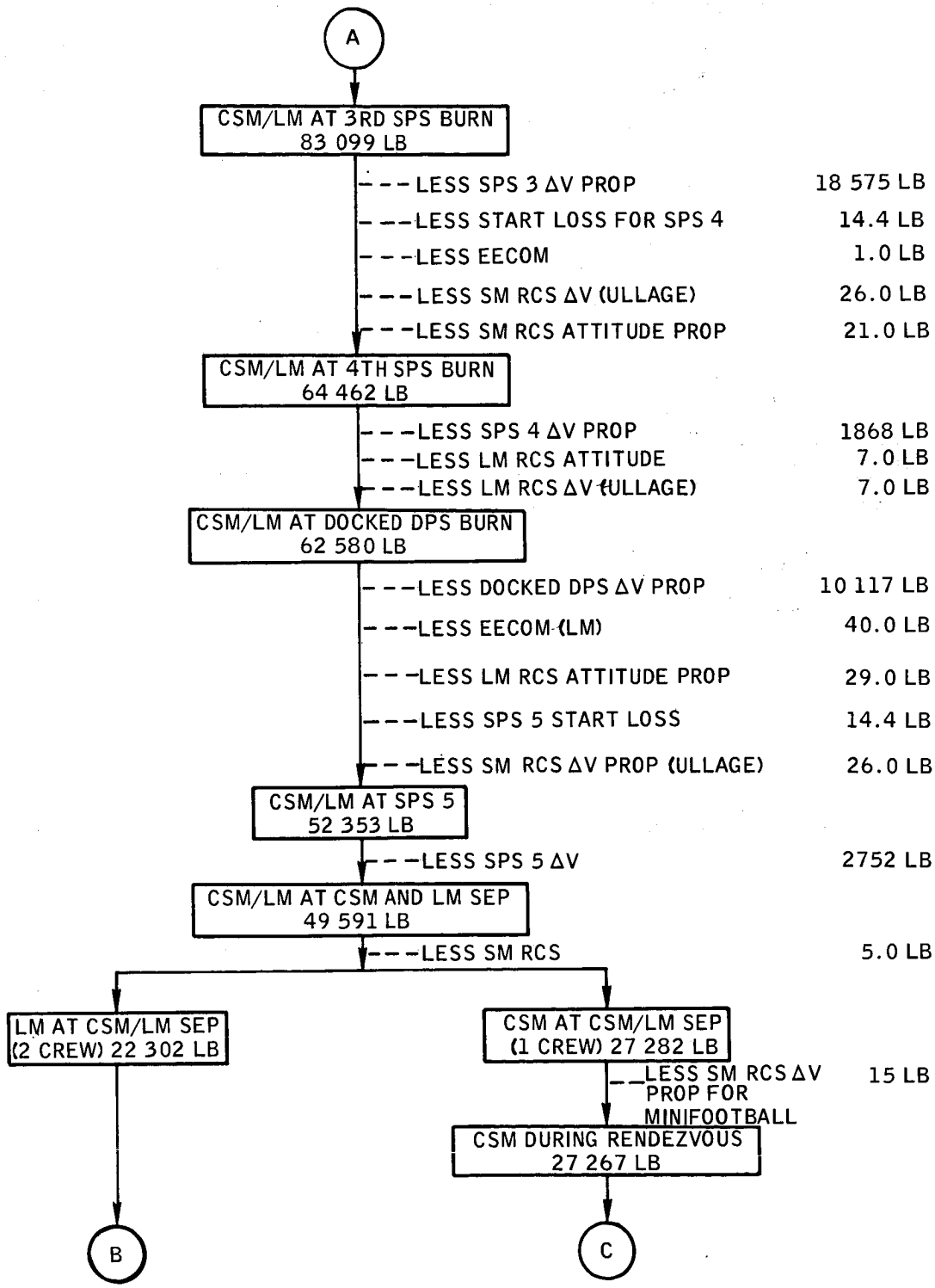


TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Continued

(c) Spacecraft weights for critical mission events[a] - Continued

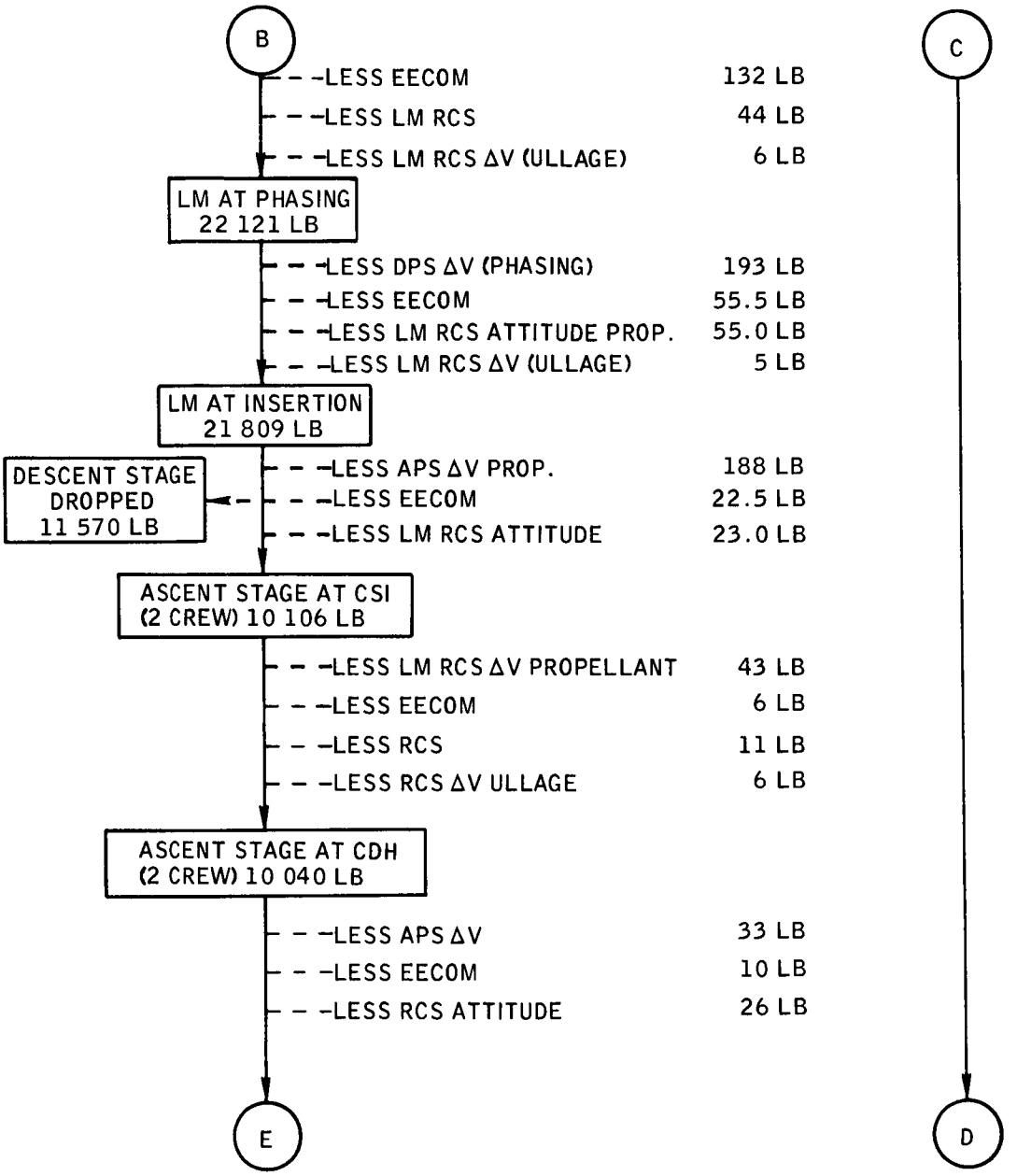


TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Continued

(c) Spacecraft weights for critical mission events[a] - Continued

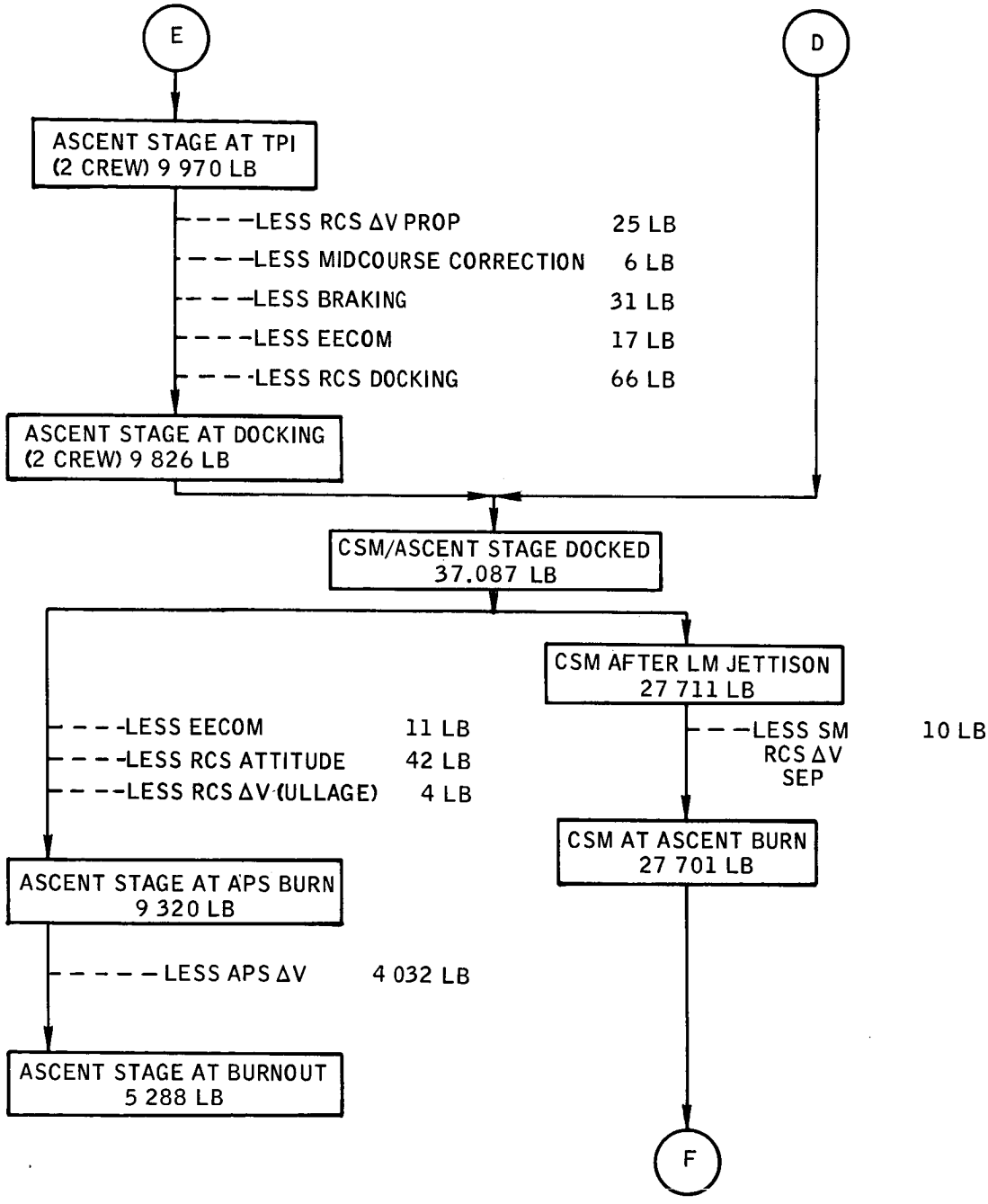


TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Concluded

(c) Spacecraft weights for critical mission events[a] - Concluded

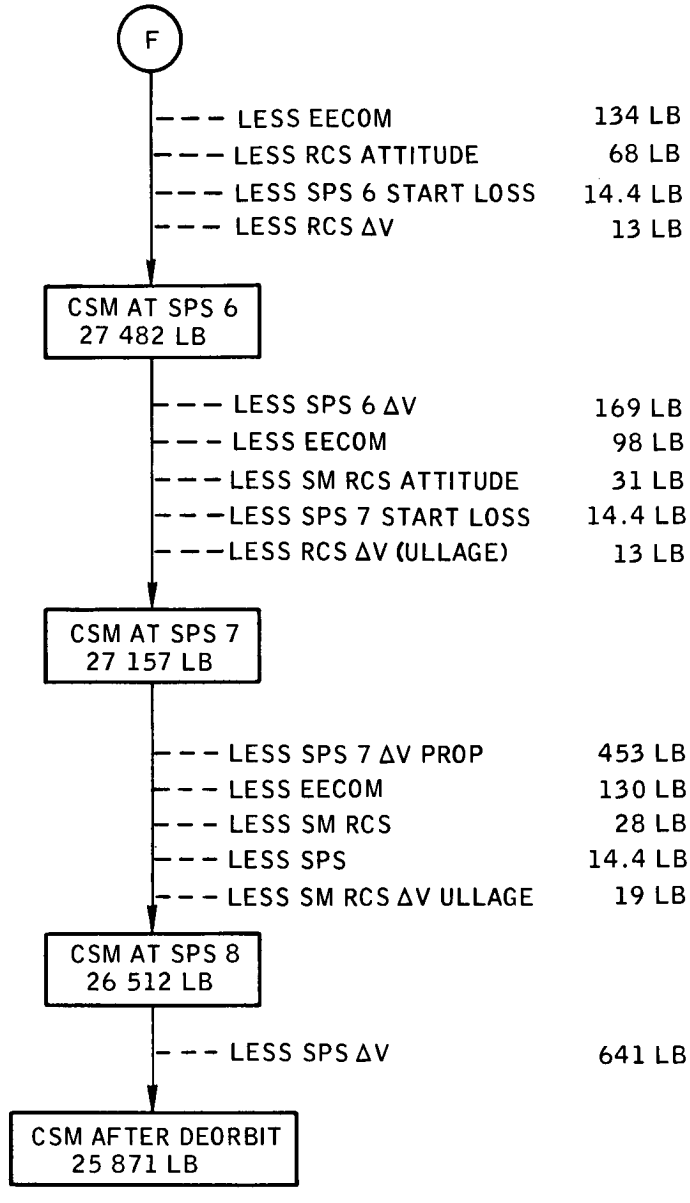


TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Continued

(d) Performance

| | |
|---|---|
| SPS thrust data[a]: | |
| Thrust, lb | |
| Total burn time of 0 to 190 sec . . . . . | 20 626.0 |
| Total burn time greater than 190 sec . . . . . | 20 885.0 |
| Specific impulse, sec | |
| Total burn time of 0 to 190 sec . . . . . | 313.0 |
| Total burn time greater than 190 sec . . . . . | 313.1 |
| DPS thrust data[b]: | |
| Thrust (100 percent), lb . . . . . | 10 500.0 |
| FTP at initial engine ignition (92.5 percent), lb . . | 9 712.5 |
| FTP total burn time greater than 370 sec (94.5 percent)[c], lb . . . . . | 9 922.5 |
| Specific impulse, sec | |
| Docked DPS, average . . . . . | 302.1 |
| Phasing, average . . . . . | 294.8 |
| Insertion . . . . . | 293.6 |
| APS thrust data[b]: | |
| Thrust, lb . . . . . | 3 473.0 |
| Specific impulse, sec . . . . . | 310.1 |
| SM RCS thrust data[b]: | |
| Thrust, lb . . . . . | 405.0 |
| Specific impulse, sec . . . . . | 277.3 |
| LM RCS thrust data[b]: | |
| Thrust, lb . . . . . | 400.0 |
| Specific impulse, sec . . . . . | 273.0 |

[a]From reference 18.

[b]From reference 19.

[c]FTP increases linearly from 9712.5 to 9922.5 in 370 seconds.

TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Continued

(e) Earth and atmosphere constants[a]

| | |
|---|---|
| Radius of spherical earth, $R_E$, ft . . . . . | 20 925 738.19 |
| Gravity at sea level, ft/sec$^2$ . . . . . | 32.146546 |
| Feet per nautical mile, ft/n. mi. . . . . | 6076.11549 |
| Degrees per radian, deg/rad . . . . . | 57.2957795 |
| Atmospheric pressure at sea level, lb/in$^2$ . . . . . | 14.6959722 |
| Density at sea level, slug/ft$^3$ . . . . . | $2.3768846 \times 10^{-3}$ |
| Speed of sound at sea level, fps . . . . . | 1116.45 |
| Viscosity at sea level, slug/ft/sec . . . . . | $3.73717340 \times 10^{-7}$ |
| Gravity constant for converting mass to weight, ft/sec$^2$ . . | 32.174049 |

[a]From references 11 and 12.

TABLE I.- TRAJECTORY SIMULATION PARAMETERS - Concluded

(f) Tracking ship locations

| Ship name | Major equipment | Location | | | Purpose |
|---|---|---|---|---|---|
| | | Geodetic latitude, deg | Longitude, deg | Altitude, ft | |
| Redstone (RED) | USB - 30' | 15.0 N | 150.0 W | 32.808399 | Coverage for (1) CDH and (2) SPS-8 |
| Mercury (MER) | USB - 30' | 22.0 S | 160.0 W | 32.808399 | Coverage for phasing |
| Vanguard (VAN) | USB - 30' | 32.0 N | 45.0 W | 32.808399 | Coverage for S-IVB insertion |
| Huntsville (HTV) | USB - 30' | 7.0 S | 170.0 E | 32.808399 | Coverage for TPF |

(g) Braking schedule assumed for terminal phase of LM-active rendezvous[a]

| Gate | Range, ft | Purpose |
|---|---|---|
| 1 | 6076.2 | Reduce range rate to 15 fps |
| 2 | 1000.0 | Reduce range rate to 5 fps |
| 3 | 105.0 | Reduce range rate to zero |

[a]From reference 20.

TABLE II.- DETAILED TEST OBJECTIVES REQUIRING TRAJECTORY OR SPACECRAFT ATTITUDE PLANNING[a]

| Objective number | Title |
|---|---|
| M20.24 | CSM active docking |
| M13.11 | Long duration APS burn |
| M13.12 | DPS burn duration effects |
| M11.6 | LM PGNCS/DAP performance and thrust performance |
| M20.28 | LM-active docking |
| M20.35 | Extravehicular activity |
| P20.25 | LM ejection from SLA |
| P20.27 | LM evaluation rendezvous |
| P16.4 | Rendezvous radar tracking performance |
| P12.3 | AGS/CES attitude/translation control |
| P11.14 | PGNCS controlled APS burn |
| P1.23 | CSM autopilot stability margin |
| P20.26 | LM-CSM undocking |
| P20.29 | LM jettison |
| P12.4 | AGS $\Delta V$ capability using DPS |
| P20.33 | CSM single crewman rendezvous capability |

[a]From reference 1.

TABLE III.- SEQUENCE OF EVENTS FOR LAUNCH[a]

| Event | Time from lift-off, min:sec |
|---|---|
| Lift-off | 0:00.0 |
| Maximum dynamic pressure | 1:17.250 |
| S-IC inboard engine cutoff (CECO) | 2:19.316 |
| Tilt arrest | 2:20.000 |
| S-IC thrust termination (OBECO) and S-IC/S-II separation | 2:30.623 |
| S-II stage at 90 percent thrust | 2:35.061 |
| Mixture ratio shift to 5.5 | 2:37.161 |
| Jettison S-IC/S-II forward interstage | 3:00.861 |
| Jettison launch escape system | 3:05.861 |
| Mixture ratio shift to 4.7 | 7:02.210 |
| S-II thrust termination and S-II/S-IVB separation | 8:44.192 |
| S-IVB stage at 90 percent thrust | 8:49.192 |
| Jettison S-IVB ullage cases | 8:56.641 |
| S-IVB stage thrust termination - parking orbit insertion - postinsertion ullage | 11:35.280 |

[a]Taken from reference 22.

TABLE IV.- S-IVB ATTITUDE TIMELINE

(a) Nominal mission[a]

| Maneuver | Time[b, c] | |
|---|---|---|
| | sec | g.e.t., hr:min:sec |
| 1. Maintain commanded cutoff inertial attitude. | $TB_5$ + 0 | 00:11:06 |
| 2. Initiate maneuver to align S-IVB SC +X-axis along local horizontal (CSM forward, position I down) and maintain orbital rate. | $TB_5$ + 20 | 00:11:26 |
| 3. Initiate maneuver to transposition and docking inertial attitude. Attitude is defined by the following gimbal angles: $X_{pitch}$ = 4.36°, $X_{yaw}$ = 14.78°, $X_{roll}$ = 1.43°. Maintain attitude with respect to inertial reference. | $TB_5$ + 8574 | 02:34:00 |
| 4. Spacecraft separation | $TB_5$ + 8934 | 02:40:00 |
| 5. LM extraction | $TB_5$ + 14 334 | 04:10:00 |
| 6. Initiate maneuver to align the S-IVB IU +X-axis along the local horizontal (IU forward, position I down) and maintain orbital rate. This maneuver will be programmed with the inhibit on. Inhibit will be removed by ground command after LM extraction is confirmed. | $TB_5$ + 15 240 | 04:25:00 |
| 7. Initiate $TB_6$. Maintain local horizontal attitude. | $TB_6$ + 0 | 04:36:11 |
| 8. Freeze S-IVB attitude inertially. | $TB_6$ + 580.3 | 04:45:51 |
| 9. Maintain commanded cutoff inertial attitude. | $TB_7$ + 0 | 04:46:51 |
| 10. Initiate maneuver to align the S-IVB IU +X-axis along the local horizontal (IU forward, position I down) and maintain orbital rate. | $TB_7$ + 20 | 04:47:11 |
| 11. Initiate $TB_8$. Maintain local horizontal attitude. | $TB_8$ + 0 | 05:58:25 |
| 12. Freeze S-IVB attitude inertially. | $TB_8$ + 460.3 | 06:06:05 |
| 13. Maintain commanded cutoff inertial attitude. | $TB_9$ + 0 | 06:10:04 |
| 14. Initiate maneuver to align the S-IVB IU +X-axis along the local horizontal. (IU forward, position I down). | $TB_9$ + 20 | 06:10:24 |
| 15. Initiate propellant dump sequence. Maintain local horizontal attitude. | $TB_9$ + 90 | 06:11:34 |

[a]Taken from reference 21.

[b]TB indicates time from initiation of the time base specified.

[c]All times underlined will be programmed in the appropriate time base.

TABLE IV.- S-IVB ATTITUDE TIMELINE - Concluded

(b) No second S-IVB burn[a]

| Maneuver | Time[b, c] | |
|---|---|---|
| | sec | g.e.t., hr:min:sec |
| 1. Maintain commanded cutoff inertial attitude | $TB_5$ + 0 | 00:11:06 |
| 2. Initiate maneuver to align S-IVB SC +X-axis along local horizontal (CSM forward, position I down) and maintain orbital rate. | $TB_5$ + 20 | 00:11:26 |
| 3. Initiate maneuver to transposition and docking inertial attitude. Attitude is defined by the following gimbal angles: $X_{pitch} = 4.36°$, $X_{yaw} = 14.78°$, $X_{roll} = 1.43°$. Maintain attitude with respect to inertial reference. | $TB_5$ + 8574 | 02:34:00 |
| 4. Spacecraft separation | $TB_5$ + 8934 | 02:40:00 |
| 5. LM extraction | $TB_5$ + 14 334 | 04:10:00 |
| 6. Initiate maneuver to align the S-IVB IU +X-axis along the local horizontal (IU forward, position I down) and maintain orbital rate. The maneuver will be programmed with the inhibit on. Inhibit will be removed by ground command after LM extraction is confirmed. | $TB_5$ + 15 240 | 04:25:00 |
| 7. Initiate $TB_6$. Maintain local horizontal attitude. | $TB_6$ + 0 | 04:36:11 |
| 8. Freeze S-IVB attitude inertially. | (d) | |
| 9. Maintain commanded cutoff inertial attitude. | (d) | |
| 10. Initiate maneuver to align the S-IVB IU +X-axis along the local horizontal (IU forward, position I down) and maintain orbital rate. | (d) | |
| 11. Initiate $TB_{8A}$. Maintain local horizontal attitude. | $TB_{8A}$ + 0 | 06:09:06 |
| 12. Freeze S-IVB attitude inertially. | $TB_{8A}$ + 580.3 | 06:18:46 |
| 13. Maintain commanded cutoff inertial attitude. | $TB_9$ + 0 | 06:23:54 |
| 14. Initiate maneuver to align the S-IVB IU +X-axis along the local horizontal. (IU forward, position I down). | $TB_9$ + 20 | 06:24:14 |
| 15. Initiate propellant dump sequence. Maintain local horizontal attitude. | $TB_9$ + 90 | 06:25:24 |

[a]Taken from reference 21.

[b]TB indicates time from initiation of the time base specified.

[c]All times underlined will be programmed in the appropriate time base.

[d]Remains in time base 5 ($TB_5$) if inhibit is on.

TABLE V.- SEQUENCE OF EVENTS FOR SPACECRAFT MANEUVERS

| Period of activity | Event | g.e.t. of initiation, hr:min:sec | Time to next event, hr:min:sec | Propulsion system | Burn time, sec | Ullage time, sec | Total ΔV, fps | Guidance mode | Resulting $h_a/h_p$, n. mi. | Tracking stations | Geodetic latitude, deg | Longitude, deg |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Launch[a] | 00:00:00.0 | 00:11:15.7 | - | - | - | - | - | - | ETR | 28.5 | -80.6 |
| | Insertion | 00:11:15.7 | 02:22:44.3 | - | - | - | - | - | - | ETR, VAN | 32.6 | -54.6 |
| | S-IVB to separation attitude | 02:34:00.0 | 00:09:00.0 | APS | - | - | - | - | 113/107 | NONE | -24.7 | 137.5 |
| | CSM separation and docking | 02:43:00.0 | 01:25:57.0 | SM RCS | 4.5 | - | 1.0 | - | 112/106 | HTV | -7.4 | 169.3 |
| | LM ejection | 04:08:57.0 | 00:02:30.9 | - | - | - | - | - | - | NONE | -12.3 | 139.1 |
| | CSM separation burn | 04:11:27.9 | 01:50:12.1 | SM RCS | 3.0 | - | 0.4 | - | 112/106 | NONE | -7.0 | 147.3 |
| | SPS-1 (docked) | 06:01:40.0 | 16:10:20.0 | SPS | 5.0 | 0 | 36.8 | GNCS - Ext ΔV | 128/113 | HAW | 31.8 | -155.7 |
| 2 | SPS-2 (docked) | 22:12:00.0 | 03:06:30.0 | SPS | 111.1 | 0 | 849.6 | GNCS - Ext ΔV | 192/113 | BDA | 27.7 | -63.6 |
| | SPS-3 (docked) | 25:18:30.0 | 03:09:30.0 | SPS | 279.4 | 0 | 2548.2 | GNCS - Ext ΔV | 270/115 | MIL, BDA | 33.5 | -79.5 |
| | SPS-4 (docked) | 28:28:00.0 | 11:32:00.0 | SPS | 28.0 | 18 | 299.8 | GNCS - Ext ΔV | 271/115 | TEX | 32.6 | -94.7 |
| 3 | LM systems evaluation | 40:00:00.0 | 09:42:00.0 | - | - | - | - | - | - | - | - | - |
| | DPS burn (docked) | 49:42:00.0 | 04:43:16.0 | DPS | 367.0 | [b]10 | 1714.1 | PGNCS - Ext ΔV | 270/115 | MIL, BDA | 33.1 | -84.9 |
| | SPS-5 (docked) | 54:25:16.0 | 17:14:44.0 | SPS | 41.4 | 18 | 550.6 | GNCS - Ext ΔV | 133/133 | GDS, GYM | 30.2 | -112.8 |
| 4 | EVA | 71:40:00.0 | 21:25:45.0 | - | - | - | - | - | - | - | - | - |
| 5 | CSM separation burn | 93:05:45.0 | 00:44:18.6 | SM RCS | 10.5 | - | 5.0 | - | 132/131 | NONE | 24.6 | 32.2 |
| | Phasing | 93:50:03.6 | 01:51:44.5 | DPS[c] | 24.9 | [b]7 | 85.0 | AGS[d] - Ext ΔV | 145/119 | MER | -24.9 | -160.0 |
| | Insertion | 95:41:48.1 | 00:40:11.9 | DPS-10% | 24.4 | [b]7 | 39.9 | PGNCS - Ext ΔV | 144/142 | GYM, TEX | 20.8 | -107.2 |
| | CSI | 96:22:00.0 | 00:44:22.6 | LM RCS | 29.6 | - | 37.8 | PGNCS - Ext ΔV | 140/121 | TAN | -12.0 | 45.8 |
| | CDH | 97:06:22.6 | 00:53:52.4 | APS | 2.9 | 4 | 37.9 | PGNCS - Ext ΔV | 121/119 | RED | 11.6 | -146.2 |
| | TPI | 98:00:15.0 | 00:31:26.7 | LM RCS | 17.0 | - | 21.9 | PGNCS - Lambert | 133/121 | NONE | -28.3 | 57.4 |
| | TPF (theoretical) | 98:31:41.7 | 01:54:18.3 | LM RCS | 44.1 | - | 28.4 | - | 133/131 | NONE | 4.2 | -179.9 |
| | APS long duration burn | 100:26:00.0 | 21:35:00.0 | APS | 360.0 | 3 | 5658.5 | PGNCS - Ext ΔV | 4177/131 | GYM, TEX, MIL, GBM | 30.9 | -102.6 |
| 6 | SPS-6 (solo) | 122:01:00.0 | 47:48:00.0 | SPS | 2.5 | [b]18 | 66.1 | GNCS - Ext ΔV | 130/95 | CRO | -26.7 | 122.3 |
| | SPS-7 (solo) | 169:49:00.0 | 68:22:47.0 | SPS | 6.8 | [b]18 | 173.6 | GNCS - Ext ΔV | 210/97 | MIL, GBM | 28.9 | -78.9 |
| | SPS-8 (solo) | 238:11:47.0 | 00:29:53.5 | SPS | 9.6 | 13 | 252.9 | GNCS - Ext ΔV | 210/0 | RED | 3.3 | -164.9 |
| | Chute deployment | 238:41:40.6 | - | - | - | - | - | - | - | - | 30.1 | -59.9 |

[a]Launch is assumed to occur at 1600 G.m.t. on February 20, 1969.

[b]Two-jet ullage.

[c]Ten percent thrust for 15 seconds; 40 percent thrust for 9.9 seconds.

[d]The velocity-to-be-gained residuals will be trimmed by RCS using PGNCS (if necessary).

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY

### (A) CSM

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE: ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE: ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION: MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HTV (S) USB-30' | 0 | 2 | 39 | 37 | 0 | 2 | 46 | 53 | 7 | 15 | 0 | 2 | 40 | 40 | 0 | 2 | 45 | 49 | 5 | 8 | 71.2 | 795. | 111. | 2.7 |
| HAW (C) FPS-16M | 0 | 2 | 50 | 45 | 0 | 2 | 56 | 59 | 6 | 14 | 0 | 2 | 52 | 7 | 0 | 2 | 55 | 36 | 3 | 28 | 9.7 | 804. | 460. | 2.8 |
| HAW (S) USB-30' | 0 | 2 | 50 | 45 | 0 | 2 | 56 | 59 | 6 | 14 | 0 | 2 | 52 | 7 | 0 | 2 | 55 | 36 | 3 | 28 | 9.7 | 805. | 460. | 2.8 |
| RED (S) USB-30' | 0 | 2 | 51 | 25 | 0 | 2 | 58 | 34 | 7 | 8 | 0 | 2 | 52 | 29 | 0 | 2 | 57 | 27 | 4 | 57 | 25.3 | 803. | 237. | 2.8 |
| CAL (C) FPS-16 | 0 | 2 | 59 | 43 | 0 | 3 | 6 | 46 | 7 | 2 | 0 | 3 | 0 | 53 | 0 | 3 | 5 | 37 | 4 | 44 | 19.3 | 809. | 297. | 2.9 |
| GDS (S) USB-85' | 0 | 3 | 0 | 31 | 0 | 3 | 7 | 34 | 7 | 2 | 0 | 3 | 1 | 40 | 0 | 3 | 6 | 25 | 4 | 44 | 19.5 | 768. | 294. | 3.0 |
| GYM (S) USB-30' | 0 | 3 | 1 | 25 | 0 | 3 | 8 | 38 | 7 | 13 | 0 | 3 | 2 | 32 | 0 | 3 | 7 | 31 | 4 | 59 | 23.9 | 748. | 252. | 3.0 |
| WHS (C) FPS-16M | 0 | 3 | 2 | 25 | 0 | 3 | 9 | 51 | 7 | 26 | 0 | 3 | 3 | 28 | 0 | 3 | 8 | 48 | 5 | 20 | 75.2 | 741. | 113. | 3.0 |
| TEX (S) USB-30' | 0 | 3 | 4 | 35 | 0 | 3 | 11 | 35 | 6 | 59 | 0 | 3 | 5 | 47 | 0 | 3 | 10 | 24 | 4 | 36 | 16.9 | 788. | 329. | 3.0 |
| MIL (S) USB-30' | 0 | 3 | 8 | 16 | 0 | 3 | 15 | 32 | 7 | 15 | 0 | 3 | 9 | 22 | 0 | 3 | 14 | 26 | 5 | 3 | 27.2 | 764. | 226. | 3.1 |
| PAT (C) FPQ-6 | 0 | 3 | 8 | 19 | 0 | 3 | 15 | 33 | 7 | 13 | 0 | 3 | 9 | 26 | 0 | 3 | 14 | 26 | 5 | 0 | 25.4 | 761. | 240. | 3.1 |
| GBI (C) TPQ-18 | 0 | 3 | 9 | 2 | 0 | 3 | 16 | 1 | 6 | 59 | 0 | 3 | 10 | 12 | 0 | 3 | 14 | 53 | 4 | 41 | 17.0 | 665. | 326. | 3.1 |
| GBM (S) USB-30' | 0 | 3 | 9 | 2 | 0 | 3 | 16 | 2 | 6 | 59 | 0 | 3 | 10 | 12 | 0 | 3 | 14 | 53 | 4 | 41 | 17.0 | 868. | 326. | 3.1 |
| BDA (C) FPS-16M | 0 | 3 | 11 | 35 | 0 | 3 | 18 | 43 | 7 | 8 | 0 | 3 | 12 | 42 | 0 | 3 | 17 | 37 | 4 | 54 | 23.4 | 781. | 253. | 3.1 |
| BDQ (C) FPQ-6 | 0 | 3 | 11 | 35 | 0 | 3 | 18 | 43 | 7 | 8 | 0 | 3 | 12 | 42 | 0 | 3 | 17 | 37 | 4 | 54 | 23.4 | 781. | 253. | 3.1 |
| BDA (S) USB-30' | 0 | 3 | 11 | 35 | 0 | 3 | 18 | 43 | 7 | 8 | 0 | 3 | 12 | 42 | 0 | 3 | 17 | 37 | 4 | 54 | 23.4 | 781. | 253. | 3.1 |
| ANG (S) USB-30' | 0 | 3 | 14 | 26 | 0 | 3 | 19 | 43 | 5 | 16 | 0 | 3 | 16 | 55 | 0 | 3 | 17 | 10 | 0 | 15 | 5.1 | 779. | 612. | 3.1 |
| VAN (S) USB-30' | 0 | 3 | 16 | 32 | 0 | 3 | 21 | 45 | 5 | 12 | 0 | 3 | 18 | 57 | 0 | 3 | 19 | 10 | 0 | 13 | 5.1 | 792. | 611. | 3.1 |
| ASC (C) TPQ-18 | 0 | 3 | 28 | 11 | 0 | 3 | 33 | 56 | 5 | 44 | 0 | 3 | 29 | 47 | 0 | 3 | 32 | 20 | 2 | 32 | 7.3 | 704. | 517. | 3.2 |
| ACN (S) USB-30' | 0 | 3 | 28 | 12 | 0 | 3 | 33 | 57 | 5 | 45 | 0 | 3 | 29 | 47 | 0 | 3 | 32 | 22 | 2 | 34 | 7.4 | 704. | 513. | 3.2 |
| PRE (C) MPS-25M | 0 | 3 | 38 | 56 | 0 | 3 | 45 | 59 | 7 | 3 | 0 | 3 | 40 | 1 | 0 | 3 | 44 | 55 | 4 | 53 | 30.3 | 824. | 195. | 3.3 |
| TAN (C) FPS-16M | 0 | 3 | 43 | 43 | 0 | 3 | 48 | 31 | 4 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 801. | 638. | 3.4 |
| CRO (C) FPQ-6 | 0 | 3 | 58 | 19 | 0 | 4 | 5 | 36 | 7 | 17 | 0 | 3 | 59 | 21 | 0 | 4 | 4 | 34 | 5 | 12 | 77.2 | 730. | 107. | 3.6 |
| CRO (S) USB-30' | 0 | 3 | 58 | 19 | 0 | 4 | 5 | 36 | 7 | 17 | 0 | 3 | 59 | 21 | 0 | 4 | 4 | 34 | 5 | 12 | 77.5 | 730. | 107. | 3.6 |
| HTV (S) USB-30' | 0 | 4 | 14 | 53 | 0 | 4 | 17 | 44 | 2 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 838. | 790. | 3.7 |
| HAW (C) FPS-16M | 0 | 4 | 23 | 13 | 0 | 4 | 30 | 29 | 7 | 16 | 0 | 4 | 24 | 19 | 0 | 4 | 29 | 24 | 5 | 5 | 30.7 | 805. | 203. | 3.8 |
| HAW (S) USB-30' | 0 | 4 | 23 | 13 | 0 | 4 | 30 | 29 | 7 | 16 | 0 | 4 | 24 | 19 | 0 | 4 | 29 | 24 | 5 | 5 | 30.7 | 806. | 203. | 3.8 |
| RED (S) USB-30' | 0 | 4 | 26 | 38 | 0 | 4 | 30 | 13 | 3 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 804. | 765. | 3.8 |
| CAL (C) FPS-16 | 0 | 4 | 32 | 32 | 0 | 4 | 39 | 54 | 7 | 21 | 0 | 4 | 33 | 36 | 0 | 4 | 38 | 50 | 5 | 13 | 38.5 | 791. | 172. | 3.9 |
| GDS (S) USB-85' | 0 | 4 | 33 | 21 | 0 | 4 | 40 | 38 | 7 | 17 | 0 | 4 | 34 | 27 | 0 | 4 | 39 | 31 | 5 | 3 | 27.8 | 848. | 223. | 4.0 |
| GYM (S) USB-30' | 0 | 4 | 34 | 53 | 0 | 4 | 41 | 59 | 7 | 6 | 0 | 4 | 36 | 2 | 0 | 4 | 40 | 49 | 4 | 47 | 19.4 | 777. | 297. | 4.0 |
| WHS (C) FPS-16M | 0 | 4 | 35 | 35 | 0 | 4 | 43 | 1 | 7 | 25 | 0 | 4 | 36 | 39 | 0 | 4 | 41 | 58 | 5 | 18 | 64.8 | 762. | 120. | 4.0 |
| TEX (S) USB-30' | 0 | 4 | 37 | 51 | 0 | 4 | 45 | 8 | 7 | 16 | 0 | 4 | 38 | 57 | 0 | 4 | 44 | 2 | 5 | 5 | 28.5 | 738. | 218. | 4.0 |
| MIL (S) USB-30' | 0 | 4 | 41 | 26 | 0 | 4 | 48 | 43 | 7 | 17 | 0 | 4 | 42 | 32 | 0 | 4 | 47 | 38 | 5 | 6 | 33.3 | 859. | 190. | 4.0 |
| PAT (C) FPQ-6 | 0 | 4 | 41 | 28 | 0 | 4 | 48 | 47 | 7 | 18 | 0 | 4 | 42 | 33 | 0 | 4 | 47 | 42 | 5 | 8 | 36.7 | 867. | 176. | 4.0 |
| GBI (C) TPQ-18 | 0 | 4 | 42 | 5 | 0 | 4 | 49 | 26 | 7 | 21 | 0 | 4 | 43 | 9 | 0 | 4 | 48 | 23 | 5 | 13 | 48.5 | 782. | 143. | 4.0 |
| GBM (S) USB-30' | 0 | 4 | 42 | 5 | 0 | 4 | 49 | 26 | 7 | 20 | 0 | 4 | 43 | 9 | 0 | 4 | 48 | 23 | 5 | 13 | 48.0 | 784. | 144. | 4.0 |
| BDA (C) FPS-16M | 0 | 4 | 45 | 44 | 0 | 4 | 50 | 3 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 790. | 705. | 4.1 |
| BDQ (C) FPQ-6 | 0 | 4 | 45 | 44 | 0 | 4 | 50 | 3 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 790. | 705. | 4.1 |
| BDA (S) USB-30' | 0 | 4 | 45 | 44 | 0 | 4 | 50 | 3 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 791. | 705. | 4.1 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANG (S) USB-30' | 0 | 4 | 46 | 45 | 0 | 4 | 54 | 5 | 7 | 19 | 0 | 4 | 47 | 49 | 0 | 4 | 53 | 2 | 5 | 13 | 64.9 | 732. | 117. | 4.1 |
| ASC (C) TPQ-18 | 0 | 5 | 0 | 39 | 0 | 5 | 7 | 30 | 6 | 50 | 0 | 5 | 1 | 47 | 0 | 5 | 6 | 23 | 4 | 35 | 18.3 | 667. | 293. | 4.2 |
| ACN (S) USB-30' | 0 | 5 | 0 | 41 | 0 | 5 | 7 | 30 | 6 | 49 | 0 | 5 | 1 | 48 | 0 | 5 | 6 | 23 | 4 | 34 | 18.1 | 671. | 295. | 4.2 |
| PRE (C) MPS-25M | 0 | 5 | 12 | 13 | 0 | 5 | 19 | 4 | 6 | 51 | 0 | 5 | 13 | 23 | 0 | 5 | 17 | 55 | 4 | 32 | 18.4 | 789. | 293. | 4.3 |
| TAN (C) FPS-16M | 0 | 5 | 19 | 24 | 0 | 5 | 20 | 36 | 1 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 846. | 844. | 4.4 |
| CRO (C) FPQ-6 | 0 | 5 | 32 | 9 | 0 | 5 | 37 | 35 | 5 | 25 | 0 | 5 | 34 | 7 | 0 | 5 | 35 | 41 | 1 | 34 | 5.8 | 841. | 577. | 4.6 |
| CRO (S) USB-30' | 0 | 5 | 32 | 9 | 0 | 5 | 37 | 35 | 5 | 25 | 0 | 5 | 34 | 7 | 0 | 5 | 35 | 41 | 1 | 33 | 5.7 | 841. | 578. | 4.6 |
| GWM (S) USB-30' | 0 | 5 | 43 | 32 | 0 | 5 | 50 | 17 | 6 | 44 | 0 | 5 | 44 | 43 | 0 | 5 | 49 | 4 | 4 | 21 | 14.5 | 709. | 356. | 4.7 |
| HAW (C) FPS-16M | 0 | 5 | 57 | 23 | 0 | 6 | 3 | 14 | 5 | 50 | 0 | 5 | 59 | 2 | 0 | 6 | 1 | 34 | 2 | 32 | 7.0 | 871. | 549. | 4.8 |
| HAW (S) USB-30' | 0 | 5 | 57 | 23 | 0 | 6 | 3 | 14 | 5 | 50 | 0 | 5 | 59 | 2 | 0 | 6 | 1 | 34 | 2 | 32 | 7.0 | 871. | 549. | 4.8 |
| CAL (C) FPS-16 | 0 | 6 | 5 | 37 | 0 | 6 | 12 | 49 | 7 | 12 | 0 | 6 | 6 | 45 | 0 | 6 | 11 | 41 | 4 | 56 | 22.6 | 870. | 265. | 4.9 |
| GDS (S) USB-85' | 0 | 6 | 6 | 26 | 0 | 6 | 13 | 26 | 6 | 59 | 0 | 6 | 7 | 38 | 0 | 6 | 12 | 16 | 4 | 37 | 17.3 | 813. | 325. | 4.9 |
| GYM (S) USB-30' | 0 | 6 | 8 | 0 | 0 | 6 | 15 | 30 | 7 | 30 | 0 | 6 | 9 | 3 | 0 | 6 | 14 | 27 | 5 | 23 | 68.9 | 718. | 119. | 5.0 |
| WHS (C) FPS-16M | 0 | 6 | 8 | 48 | 0 | 6 | 15 | 50 | 7 | 1 | 0 | 6 | 9 | 57 | 0 | 6 | 14 | 40 | 4 | 43 | 17.5 | 867. | 323. | 5.0 |
| TEX (S) USB-30' | 0 | 6 | 10 | 59 | 0 | 6 | 18 | 19 | 7 | 19 | 0 | 6 | 12 | 5 | 0 | 6 | 17 | 12 | 5 | 7 | 27.7 | 769. | 228. | 5.0 |
| MIL (S) USB-30' | 0 | 6 | 15 | 27 | 0 | 6 | 20 | 24 | 4 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 839. | 670. | 5.0 |
| PAT (C) FPQ-6 | 0 | 6 | 15 | 27 | 0 | 6 | 20 | 31 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 838. | 659. | 5.0 |
| GBI (C) TPQ-18 | 0 | 6 | 16 | 3 | 0 | 6 | 21 | 17 | 5 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 809. | 642. | 5.0 |
| GBM (S) USB-30' | 0 | 6 | 16 | 3 | 0 | 6 | 21 | 17 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 808. | 642. | 5.0 |
| ANG (S) USB-30' | 0 | 6 | 20 | 54 | 0 | 6 | 25 | 56 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 871. | 679. | 5.1 |
| PRE (C) MPS-25M | 0 | 6 | 45 | 48 | 0 | 6 | 52 | 56 | 7 | 7 | 0 | 6 | 47 | 6 | 0 | 6 | 51 | 38 | 4 | 31 | 12.8 | 897. | 443. | 5.4 |
| TAN (C) FPS-16M | 0 | 6 | 51 | 43 | 0 | 6 | 56 | 41 | 4 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 924. | 737. | 5.4 |
| GWM (S) USB-30' | 0 | 7 | 16 | 59 | 0 | 7 | 23 | 44 | 6 | 45 | 0 | 7 | 18 | 14 | 0 | 7 | 22 | 30 | 4 | 15 | 12.9 | 727. | 399. | 5.7 |
| HAW (C) FPS-16M | 0 | 7 | 31 | 58 | 0 | 7 | 37 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 839. | 654. | 5.8 |
| HAW (S) USB-30' | 0 | 7 | 31 | 58 | 0 | 7 | 37 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 839. | 654. | 5.8 |
| CAL (C) FPS-16 | 0 | 7 | 39 | 35 | 0 | 7 | 45 | 15 | 5 | 39 | 0 | 7 | 41 | 26 | 0 | 7 | 43 | 22 | 1 | 55 | 6.1 | 851. | 587. | 5.9 |
| GDS (S) USB-85' | 0 | 7 | 40 | 45 | 0 | 7 | 45 | 19 | 4 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 880. | 702. | 5.9 |
| WHS (C) FPS-16M | 0 | 7 | 43 | 44 | 0 | 7 | 47 | 6 | 3 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 879. | 792. | 5.9 |
| GYM (S) USB-30' | 0 | 7 | 41 | 53 | 0 | 7 | 48 | 24 | 6 | 31 | 0 | 7 | 43 | 13 | 0 | 7 | 47 | 3 | 3 | 49 | 10.5 | 765. | 458. | 5.9 |
| TEX (S) USB-30' | 0 | 7 | 46 | 11 | 0 | 7 | 49 | 29 | 3 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 832. | 795. | 6.0 |
| PRE (C) MPS-25M | 0 | 8 | 19 | 30 | 0 | 8 | 27 | 6 | 7 | 36 | 0 | 8 | 20 | 41 | 0 | 8 | 25 | 56 | 5 | 15 | 21.2 | 878. | 306. | 6.4 |
| TAN (C) FPS-16M | 0 | 8 | 24 | 33 | 0 | 8 | 31 | 54 | 7 | 21 | 0 | 8 | 25 | 46 | 0 | 8 | 30 | 42 | 4 | 56 | 17.0 | 882. | 355. | 6.4 |
| HAW (C) FPS-16M | 0 | 9 | 5 | 20 | 0 | 9 | 11 | 49 | 6 | 28 | 0 | 9 | 6 | 43 | 0 | 9 | 10 | 27 | 3 | 44 | 10.4 | 870. | 454. | 6.8 |
| HAW (S) USB-30' | 0 | 9 | 5 | 20 | 0 | 9 | 11 | 49 | 6 | 28 | 0 | 9 | 6 | 43 | 0 | 9 | 10 | 27 | 3 | 44 | 10.4 | 870. | 454. | 6.8 |
| RED (S) USB-30' | 0 | 9 | 9 | 5 | 0 | 9 | 13 | 55 | 4 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 862. | 683. | 6.9 |
| PRE (C) MPS-25M | 0 | 9 | 53 | 3 | 0 | 10 | 0 | 43 | 7 | 40 | 0 | 9 | 54 | 9 | 0 | 9 | 59 | 39 | 5 | 29 | 34.9 | 771. | 203. | 7.3 |
| TAN (C) FPS-16M | 0 | 9 | 58 | 7 | 0 | 10 | 5 | 22 | 7 | 15 | 0 | 9 | 59 | 19 | 0 | 10 | 4 | 13 | 4 | 53 | 18.4 | 783. | 328. | 7.4 |
| HAW (C) FPS-16M | 0 | 10 | 38 | 33 | 0 | 10 | 46 | 2 | 7 | 29 | 0 | 10 | 39 | 37 | 0 | 10 | 44 | 58 | 5 | 20 | 42.6 | 835. | 162. | 7.8 |
| HAW (S) USB-30' | 0 | 10 | 38 | 33 | 0 | 10 | 46 | 2 | 7 | 29 | 0 | 10 | 39 | 37 | 0 | 10 | 44 | 58 | 5 | 20 | 42.6 | 835. | 162. | 7.8 |
| RED (S) USB-30' | 0 | 10 | 41 | 30 | 0 | 10 | 49 | 1 | 7 | 31 | 0 | 10 | 42 | 35 | 0 | 10 | 47 | 56 | 5 | 20 | 37.4 | 837. | 180. | 7.9 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| PRE (C) MPS-25M | 0 11 23 12 | 0 11 32 3 | 3 50 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.1 | 865. | 788. | 8.3 |
| HAW (C) FPS-16M | 0 12 13 14 | 0 12 17 58 | 4 43 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.7 | 859. | 693. | 8.8 |
| HAW (S) USB-30' | 0 12 13 14 | 0 12 17 58 | 4 43 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.7 | 859. | 693. | 8.8 |
| RED (S) USB-30' | 0 12 16 3 | 0 12 21 14 | 5 11 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.7 | 824. | 657. | 8.8 |
| ASC (C) TPQ-18 | 0 12 54 37 | 0 12 58 55 | 4 18 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.7 | 898. | 765. | 9.2 |
| ACN (S) USB-30' | 0 12 54 38 | 0 12 58 56 | 4 18 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.7 | 899. | 764. | 9.2 |
| GWM (S) USB-30' | 0 13 35 55 | 0 13 40 21 | 4 26 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.0 | 808. | 718. | 9.7 |
| MER (S) USB-30' | 0 13 53 23 | 0 13 57 27 | 4 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.4 | 861. | 781. | 9.8 |
| ASC (C) TPQ-18 | 0 14 26 38 | 0 14 34 17 | 7 39 | 0 14 27 44 | 0 14 33 14 | 5 29 | 53.2 | 883. | 143. | 10.2 |
| ACN (S) USB-30' | 0 14 26 39 | 0 14 34 18 | 7 38 | 0 14 27 46 | 0 14 33 15 | 5 28 | 54.6 | 887. | 141. | 10.2 |
| GWM (S) USB-30' | 0 15 8 8 | 0 15 15 39 | 7 30 | 0 15 9 11 | 0 15 14 34 | 5 23 | 49.9 | 745. | 145. | 10.7 |
| HTV (S) USB-30' | 0 15 16 35 | 0 15 23 55 | 7 19 | 0 15 17 45 | 0 15 22 44 | 4 58 | 19.7 | 879. | 308. | 10.7 |
| MER (S) USB-30' | 0 15 24 48 | 0 15 32 36 | 7 47 | 0 15 25 52 | 0 15 31 31 | 5 38 | 50.3 | 742. | 156. | 10.8 |
| ASC (C) TPQ-18 | 0 16 1 42 | 0 16 6 2 | 4 20 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.9 | 888. | 733. | 11.2 |
| ACN (S) USB-30' | 0 16 1 44 | 0 16 6 3 | 4 19 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.8 | 891. | 734. | 11.2 |
| GWM (S) USB-30' | 0 16 42 44 | 0 16 47 50 | 5 6 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.2 | 886. | 677. | 11.6 |
| HTV (S) USB-30' | 0 16 50 29 | 0 16 57 3 | 6 34 | 0 16 51 55 | 0 16 55 36 | 3 40 | 9.7 | 865. | 502. | 11.7 |
| MER (S) USB-30' | 0 16 58 47 | 0 17 5 57 | 7 9 | 0 17 0 3 | 0 17 4 39 | 4 35 | 13.2 | 898. | 432. | 11.8 |
| CYI (C) MPS26 | 0 17 38 49 | 0 17 45 13 | 6 23 | 0 17 40 11 | 0 17 43 50 | 3 39 | 10.1 | 793. | 463. | 12.2 |
| CYI (S) USB-30' | 0 17 38 49 | 0 17 45 13 | 6 23 | 0 17 40 11 | 0 17 43 50 | 3 39 | 10.1 | 793. | 463. | 12.2 |
| MER (S) USB-30' | 0 18 33 33 | 0 18 39 21 | 5 47 | 0 18 35 39 | 0 18 37 10 | 1 30 | 5.6 | 901. | 657. | 12.8 |
| ANG (S) USB-30' | 0 19 1 34 | 0 19 7 6 | 5 31 | 0 19 3 36 | 0 19 5 3 | 1 26 | 5.5 | 857. | 613. | 13.1 |
| VAN (S) USB-30' | 0 19 9 0 | 0 19 10 46 | 1 45 | 0 0 0 0 | 0 0 0 0 | 0 0 | .5 | 877. | 851. | 13.1 |
| CYI (C) MPS26 | 0 19 11 40 | 0 19 19 6 | 7 26 | 0 19 12 45 | 0 19 18 2 | 5 16 | 47.1 | 858. | 148. | 13.2 |
| CYI (S) USB-30' | 0 19 11 40 | 0 19 19 6 | 7 26 | 0 19 12 45 | 0 19 18 2 | 5 16 | 47.1 | 858. | 148. | 13.2 |
| MAD (S) USB-85' | 0 19 15 45 | 0 19 21 25 | 5 39 | 0 19 17 31 | 0 19 19 38 | 2 6 | 6.4 | 873. | 571. | 13.3 |
| CRO (C) FPQ-6 | 0 19 49 9 | 0 19 53 8 | 3 59 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 873. | 785. | 13.6 |
| CRO (S) USB-30' | 0 19 49 9 | 0 19 53 8 | 3 59 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 873. | 785. | 13.6 |
| HSK (S) USB-85' | 0 19 56 5 | 0 20 2 49 | 6 43 | 0 19 57 29 | 0 20 1 25 | 3 56 | 10.2 | 922. | 500. | 13.7 |
| MER (S) USB-30' | 0 20 7 32 | 0 20 13 48 | 6 15 | 0 20 9 15 | 0 20 12 7 | 2 51 | 7.4 | 922. | 589. | 13.8 |
| BDA (C) FPS-16M | 0 20 37 28 | 0 20 40 42 | 3 14 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.5 | 848. | 794. | 14.1 |
| BDQ (C) FPQ-6 | 0 20 37 28 | 0 20 40 42 | 3 14 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.5 | 848. | 794. | 14.1 |
| BDA (S) USB-30' | 0 20 37 28 | 0 20 40 41 | 3 13 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.5 | 848. | 794. | 14.1 |
| ANG (S) USB-30' | 0 20 33 59 | 0 20 41 26 | 7 26 | 0 20 35 4 | 0 20 40 22 | 5 18 | 45.1 | 730. | 154. | 14.1 |
| VAN (S) USB-30' | 0 20 39 28 | 0 20 46 23 | 6 55 | 0 20 40 40 | 0 20 45 12 | 4 31 | 16.1 | 819. | 341. | 14.1 |
| CYI (C) MPS26 | 0 20 45 33 | 0 20 52 37 | 7 3 | 0 20 46 45 | 0 20 51 27 | 4 42 | 18.0 | 837. | 315. | 14.2 |
| CYI (S) USB-30' | 0 20 45 33 | 0 20 52 37 | 7 3 | 0 20 46 45 | 0 20 51 27 | 4 42 | 18.0 | 837. | 315. | 14.2 |
| MAD (S) USB-85' | 0 20 48 31 | 0 20 54 44 | 6 13 | 0 20 49 57 | 0 20 53 18 | 3 21 | 9.2 | 830. | 484. | 14.3 |
| CRO (C) FPQ-6 | 0 21 20 29 | 0 21 28 16 | 7 46 | 0 21 21 35 | 0 21 27 9 | 5 34 | 33.9 | 858. | 211. | 14.6 |
| CRO (S) USB-30' | 0 21 20 30 | 0 21 28 16 | 7 46 | 0 21 21 35 | 0 21 27 10 | 5 34 | 33.9 | 859. | 211. | 14.6 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 0 | 21 | 28 | 51 | 0 | 21 | 36 | 34 | 7 | 43 | 0 | 21 | 29 | 57 | 0 | 21 | 35 | 27 | 5 | 29 | 28.7 | 758. | 245. | 14.7 |
| MER (S) USB-30' | 0 | 21 | 40 | 47 | 0 | 21 | 48 | 26 | 7 | 39 | 0 | 21 | 41 | 55 | 0 | 21 | 47 | 20 | 5 | 24 | 27.2 | 772. | 252. | 14.8 |
| TEX (S) USB-30' | 0 | 22 | 3 | 48 | 0 | 22 | 6 | 21 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 879. | 831. | 15.0 |
| MIL (S) USB-30' | 0 | 22 | 5 | 8 | 0 | 22 | 11 | 46 | 6 | 38 | 0 | 22 | 6 | 32 | 0 | 22 | 10 | 28 | 3 | 55 | 11.6 | 877. | 426. | 15.0 |
| PAT (C) FPQ-6 | 0 | 22 | 5 | 2 | 0 | 22 | 11 | 47 | 6 | 45 | 0 | 22 | 6 | 27 | 0 | 22 | 10 | 31 | 4 | 3 | 12.4 | 872. | 409. | 15.0 |
| GBI (C) TPQ-18 | 0 | 22 | 5 | 8 | 0 | 22 | 12 | 19 | 7 | 11 | 0 | 22 | 6 | 22 | 0 | 22 | 11 | 11 | 4 | 48 | 21.7 | 874. | 274. | 15.1 |
| GBM (S) USB-30' | 0 | 22 | 5 | 8 | 0 | 22 | 12 | 20 | 7 | 11 | 0 | 22 | 6 | 23 | 0 | 22 | 11 | 11 | 4 | 48 | 21.8 | 877. | 273. | 15.1 |
| ANG (S) USB-30' | 0 | 22 | 9 | 0 | 0 | 22 | 13 | 59 | 4 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 874. | 655. | 15.1 |
| BDA (C) FPS-16M | 0 | 22 | 8 | 41 | 0 | 22 | 15 | 43 | 7 | 2 | 0 | 22 | 9 | 51 | 0 | 22 | 14 | 34 | 4 | 42 | 18.7 | 875. | 306. | 15.1 |
| BDQ (C) FPQ-6 | 0 | 22 | 8 | 41 | 0 | 22 | 15 | 43 | 7 | 2 | 0 | 22 | 9 | 51 | 0 | 22 | 14 | 34 | 4 | 42 | 18.7 | 875. | 306. | 15.1 |
| BDA (S) USB-30' | 0 | 22 | 8 | 41 | 0 | 22 | 15 | 43 | 7 | 2 | 0 | 22 | 9 | 51 | 0 | 22 | 14 | 34 | 4 | 42 | 18.7 | 875. | 307. | 15.1 |
| VAN (S) USB-30' | 0 | 22 | 12 | 37 | 0 | 22 | 20 | 6 | 7 | 28 | 0 | 22 | 13 | 41 | 0 | 22 | 19 | 0 | 5 | 18 | 45.5 | 875. | 153. | 15.2 |
| CYI (C) MPS26 | 0 | 22 | 19 | 18 | 0 | 22 | 26 | 38 | 7 | 19 | 0 | 22 | 20 | 28 | 0 | 22 | 25 | 24 | 4 | 55 | 17.8 | 781. | 341. | 15.2 |
| CYI (S) USB-30' | 0 | 22 | 19 | 18 | 0 | 22 | 26 | 38 | 7 | 19 | 0 | 22 | 20 | 28 | 0 | 22 | 25 | 24 | 4 | 55 | 17.8 | 781. | 341. | 15.2 |
| MAD (S) USB-85' | 0 | 22 | 21 | 38 | 0 | 22 | 27 | 57 | 6 | 18 | 0 | 22 | 23 | 12 | 0 | 22 | 26 | 20 | 3 | 8 | 8.1 | 934. | 561. | 15.3 |
| CRO (C) FPQ-6 | 0 | 22 | 53 | 49 | 0 | 23 | 3 | 29 | 9 | 39 | 0 | 22 | 55 | 2 | 0 | 23 | 2 | 15 | 7 | 13 | 28.3 | 1142. | 368. | 15.6 |
| CRO (S) USB-30' | 0 | 22 | 53 | 49 | 0 | 23 | 3 | 29 | 9 | 39 | 0 | 22 | 55 | 2 | 0 | 23 | 2 | 15 | 7 | 13 | 28.4 | 1143. | 368. | 15.6 |
| HSK (S) USB-85' | 0 | 23 | 2 | 7 | 0 | 23 | 11 | 49 | 9 | 42 | 0 | 23 | 3 | 18 | 0 | 23 | 10 | 42 | 7 | 24 | 50.4 | 994. | 233. | 15.7 |
| MER (S) USB-30' | 0 | 23 | 14 | 54 | 0 | 23 | 23 | 29 | 8 | 35 | 0 | 23 | 16 | 7 | 0 | 23 | 22 | 23 | 6 | 16 | 26.0 | 871. | 320. | 15.8 |
| GYM (S) USB-30' | 0 | 23 | 34 | 12 | 0 | 23 | 39 | 36 | 5 | 24 | 0 | 23 | 36 | 31 | 0 | 23 | 37 | 17 | 0 | 45 | 5.4 | 794. | 621. | 16.0 |
| WHS (C) FPS-16M | 0 | 23 | 36 | 16 | 0 | 23 | 40 | 26 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 812. | 736. | 16.0 |
| TEX (S) USB-30' | 0 | 23 | 35 | 58 | 0 | 23 | 43 | 8 | 7 | 10 | 0 | 23 | 37 | 6 | 0 | 23 | 42 | 0 | 4 | 53 | 21.7 | 820. | 275. | 16.0 |
| MIL (S) USB-30' | 0 | 23 | 39 | 27 | 0 | 23 | 46 | 53 | 7 | 26 | 0 | 23 | 40 | 31 | 0 | 23 | 45 | 48 | 5 | 17 | 50.1 | 880. | 142. | 16.1 |
| PAT (C) FPQ-6 | 0 | 23 | 39 | 27 | 0 | 23 | 46 | 52 | 7 | 25 | 0 | 23 | 40 | 31 | 0 | 23 | 45 | 48 | 5 | 16 | 46.7 | 882. | 149. | 16.1 |
| GBI (C) TPQ-18 | 0 | 23 | 39 | 56 | 0 | 23 | 47 | 13 | 7 | 16 | 0 | 23 | 41 | 2 | 0 | 23 | 46 | 5 | 5 | 2 | 25.7 | 812. | 239. | 16.1 |
| GBM (S) USB-30' | 0 | 23 | 39 | 57 | 0 | 23 | 47 | 13 | 7 | 16 | 0 | 23 | 41 | 3 | 0 | 23 | 46 | 5 | 5 | 2 | 25.7 | 811. | 239. | 16.1 |
| BDA (C) FPS-16M | 0 | 23 | 43 | 9 | 0 | 23 | 50 | 41 | 7 | 31 | 0 | 23 | 44 | 11 | 0 | 23 | 49 | 36 | 5 | 24 | 78.5 | 720. | 114. | 16.1 |
| BDQ (C) FPQ-6 | 0 | 23 | 43 | 9 | 0 | 23 | 50 | 41 | 7 | 31 | 0 | 23 | 44 | 11 | 0 | 23 | 49 | 36 | 5 | 24 | 78.5 | 720. | 114. | 16.1 |
| BDA (S) USB-30' | 0 | 23 | 43 | 9 | 0 | 23 | 50 | 41 | 7 | 31 | 0 | 23 | 44 | 11 | 0 | 23 | 49 | 36 | 5 | 24 | 78.6 | 720. | 114. | 16.1 |
| VAN (S) USB-30' | 0 | 23 | 47 | 25 | 0 | 23 | 55 | 4 | 7 | 39 | 0 | 23 | 48 | 28 | 0 | 23 | 53 | 56 | 5 | 28 | 43.9 | 884. | 165. | 16.2 |
| MAD (S) USB-85' | 0 | 23 | 57 | 56 | 0 | 23 | 59 | 57 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 958. | 926. | 16.2 |
| CYI (C) MPS26 | 0 | 23 | 53 | 56 | 1 | 0 | 2 | 2 | 8 | 5 | 0 | 23 | 54 | 59 | 1 | 0 | 0 | 52 | 5 | 53 | 80.5 | 950. | 131. | 16.2 |
| CYI (S) USB-30' | 0 | 23 | 53 | 56 | 1 | 0 | 2 | 2 | 8 | 5 | 0 | 23 | 54 | 59 | 1 | 0 | 0 | 52 | 5 | 53 | 80.5 | 950. | 131. | 16.2 |
| TAN (C) FPS-16M | 1 | 0 | 13 | 54 | 1 | 0 | 22 | 33 | 8 | 39 | 1 | 0 | 15 | 11 | 1 | 0 | 21 | 11 | 5 | 59 | 15.8 | 1007. | 520. | 16.4 |
| CRO (C) FPQ-6 | 1 | 0 | 29 | 36 | 1 | 0 | 38 | 27 | 8 | 51 | 1 | 0 | 31 | 0 | 1 | 0 | 37 | 4 | 6 | 3 | 14.9 | 1108. | 566. | 16.6 |
| CRO (S) USB-30' | 1 | 0 | 29 | 36 | 1 | 0 | 38 | 27 | 8 | 51 | 1 | 0 | 31 | 0 | 1 | 0 | 37 | 4 | 6 | 3 | 14.9 | 1109. | 565. | 16.6 |
| HSK (S) USB-85' | 1 | 0 | 37 | 10 | 1 | 0 | 46 | 7 | 8 | 56 | 1 | 0 | 38 | 27 | 1 | 0 | 44 | 54 | 6 | 27 | 22.2 | 1015. | 405. | 16.7 |
| HTV (S) USB-30' | 1 | 0 | 46 | 23 | 1 | 0 | 52 | 32 | 6 | 9 | 1 | 0 | 48 | 47 | 1 | 0 | 50 | 8 | 1 | 20 | 5.4 | 990. | 758. | 16.7 |
| RED (S) USB-30' | 1 | 0 | 58 | 11 | 1 | 1 | 4 | 51 | 6 | 40 | 1 | 0 | 59 | 38 | 1 | 1 | 3 | 30 | 3 | 51 | 10.2 | 819. | 493. | 16.8 |
| CAL (C) FPS-16 | 1 | 1 | 7 | 34 | 1 | 1 | 12 | 44 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 875. | 638. | 16.9 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CDS (S) USB-85' | 1 | 1 | 8 | 13 | 1 | 1 | 13 | 41 | 5 | 28 | 1 | 1 | 10 | 17 | 1 | 1 | 11 | 42 | 1 | 25 | 5.8 | 872. | 596. | 16.9 |
| GYM (S) USB-30' | 1 | 1 | 7 | 44 | 1 | 1 | 15 | 8 | 7 | 24 | 1 | 1 | 8 | 49 | 1 | 1 | 14 | 3 | 5 | 13 | 46.7 | 878. | 149. | 17.0 |
| WHS (C) FPS-16M | 1 | 1 | 9 | 9 | 1 | 1 | 16 | 20 | 7 | 10 | 1 | 1 | 10 | 16 | 1 | 1 | 15 | 12 | 4 | 55 | 25.1 | 880. | 242. | 17.0 |
| TEX (S) USB-30' | 1 | 1 | 10 | 42 | 1 | 1 | 17 | 58 | 7 | 15 | 1 | 1 | 11 | 50 | 1 | 1 | 16 | 50 | 4 | 59 | 27.7 | 887. | 226. | 17.0 |
| PAT (C) FPQ-6 | 1 | 1 | 14 | 41 | 1 | 1 | 21 | 42 | 7 | 1 | 1 | 1 | 15 | 52 | 1 | 1 | 20 | 29 | 4 | 37 | 17.2 | 908. | 334. | 17.0 |
| MIL (S) USB-30' | 1 | 1 | 14 | 38 | 1 | 1 | 21 | 42 | 7 | 4 | 1 | 1 | 15 | 48 | 1 | 1 | 20 | 30 | 4 | 42 | 18.4 | 907. | 318. | 17.0 |
| GBI (C) TPQ-18 | 1 | 1 | 15 | 23 | 1 | 1 | 22 | 0 | 6 | 36 | 1 | 1 | 16 | 41 | 1 | 1 | 20 | 40 | 3 | 58 | 11.7 | 910. | 434. | 17.0 |
| GBM (S) USB-30' | 1 | 1 | 15 | 23 | 1 | 1 | 22 | 0 | 6 | 36 | 1 | 1 | 16 | 42 | 1 | 1 | 20 | 40 | 3 | 58 | 11.7 | 910. | 435. | 17.0 |
| BDA (C) FPS-16M | 1 | 1 | 17 | 59 | 1 | 1 | 25 | 40 | 7 | 41 | 1 | 1 | 19 | 3 | 1 | 1 | 24 | 32 | 5 | 29 | 53.6 | 886. | 145. | 17.1 |
| BDQ (C) FPQ-6 | 1 | 1 | 17 | 59 | 1 | 1 | 25 | 40 | 7 | 41 | 1 | 1 | 19 | 3 | 1 | 1 | 24 | 32 | 5 | 29 | 53.6 | 886. | 145. | 17.1 |
| BCA (S) USB-30' | 1 | 1 | 17 | 58 | 1 | 1 | 25 | 40 | 7 | 41 | 1 | 1 | 19 | 3 | 1 | 1 | 24 | 32 | 5 | 29 | 53.6 | 885. | 145. | 17.1 |
| VAN (S) USB-30' | 1 | 1 | 22 | 8 | 1 | 1 | 30 | 13 | 8 | 4 | 1 | 1 | 23 | 10 | 1 | 1 | 29 | 3 | 5 | 52 | 70.5 | 995. | 137. | 17.2 |
| CYI (C) MPS26 | 1 | 1 | 28 | 32 | 1 | 1 | 37 | 11 | 8 | 39 | 1 | 1 | 29 | 38 | 1 | 1 | 35 | 56 | 6 | 17 | 25.7 | 1111. | 324. | 17.2 |
| CYI (S) USB-30' | 1 | 1 | 28 | 32 | 1 | 1 | 37 | 11 | 8 | 39 | 1 | 1 | 29 | 38 | 1 | 1 | 35 | 55 | 6 | 17 | 25.7 | 1111. | 324. | 17.2 |
| PRE (C) MPS-25M | 1 | 1 | 47 | 3 | 1 | 1 | 54 | 3 | 6 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 1254. | 1052. | 17.4 |
| TAN (C) FPS-16M | 1 | 1 | 47 | 38 | 1 | 1 | 59 | 21 | 11 | 43 | 1 | 1 | 48 | 47 | 1 | 1 | 58 | 5 | 9 | 18 | 73.6 | 1335. | 261. | 17.4 |
| CRO (C) FPQ-6 | 1 | 2 | 4 | 39 | 1 | 2 | 15 | 44 | 11 | 4 | 1 | 2 | 6 | 5 | 1 | 2 | 14 | 25 | 8 | 19 | 22.1 | 1289. | 580. | 17.6 |
| CRO (S) USB-30' | 1 | 2 | 4 | 39 | 1 | 2 | 15 | 44 | 11 | 4 | 1 | 2 | 6 | 5 | 1 | 2 | 14 | 25 | 8 | 20 | 22.2 | 1289. | 579. | 17.6 |
| HSK (S) USB-85' | 1 | 2 | 12 | 33 | 1 | 2 | 22 | 12 | 9 | 39 | 1 | 2 | 14 | 5 | 1 | 2 | 20 | 50 | 6 | 44 | 14.7 | 1224. | 673. | 17.7 |
| HTV (S) USB-30' | 1 | 2 | 20 | 57 | 1 | 2 | 30 | 30 | 9 | 33 | 1 | 2 | 22 | 17 | 1 | 2 | 29 | 22 | 7 | 5 | 28.4 | 1186. | 360. | 17.7 |
| HAW (C) FPS-16M | 1 | 2 | 33 | 57 | 1 | 2 | 39 | 35 | 5 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 974. | 709. | 17.8 |
| HAW (S) USB-30' | 1 | 2 | 33 | 57 | 1 | 2 | 39 | 35 | 5 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 975. | 709. | 17.8 |
| RED (S) USB-30' | 1 | 2 | 33 | 40 | 1 | 2 | 41 | 49 | 8 | 9 | 1 | 2 | 34 | 50 | 1 | 2 | 40 | 48 | 5 | 57 | 67.8 | 907. | 139. | 17.8 |
| CAL (C) FPS-16 | 1 | 2 | 42 | 49 | 1 | 2 | 49 | 43 | 6 | 54 | 1 | 2 | 44 | 5 | 1 | 2 | 48 | 30 | 4 | 24 | 14.6 | 836. | 373. | 17.9 |
| CDS (S) USB-85' | 1 | 2 | 43 | 37 | 1 | 2 | 50 | 33 | 6 | 56 | 1 | 2 | 44 | 50 | 1 | 2 | 49 | 20 | 4 | 29 | 15.5 | 809. | 356. | 18.0 |
| GYM (S) USB-30' | 1 | 2 | 44 | 11 | 1 | 2 | 51 | 34 | 7 | 23 | 1 | 2 | 45 | 17 | 1 | 2 | 50 | 27 | 5 | 9 | 28.5 | 807. | 224. | 18.0 |
| WHS (C) FPS-16M | 1 | 2 | 45 | 20 | 1 | 2 | 52 | 52 | 7 | 32 | 1 | 2 | 46 | 23 | 1 | 2 | 51 | 47 | 5 | 24 | 73.2 | 743. | 117. | 18.0 |
| TEX (S) USB-30' | 1 | 2 | 47 | 23 | 1 | 2 | 54 | 28 | 7 | 5 | 1 | 2 | 48 | 34 | 1 | 2 | 53 | 12 | 4 | 38 | 15.9 | 854. | 358. | 18.0 |
| MIL (S) USB-30' | 1 | 2 | 51 | 8 | 1 | 2 | 58 | 34 | 7 | 25 | 1 | 2 | 52 | 16 | 1 | 2 | 57 | 18 | 5 | 1 | 18.2 | 894. | 343. | 18.1 |
| PAT (C) FPQ-6 | 1 | 2 | 51 | 11 | 1 | 2 | 58 | 34 | 7 | 22 | 1 | 2 | 52 | 20 | 1 | 2 | 57 | 17 | 4 | 57 | 17.3 | 878. | 356. | 18.1 |
| GBI (C) TPQ-18 | 1 | 2 | 51 | 53 | 1 | 2 | 59 | 1 | 7 | 7 | 1 | 2 | 53 | 9 | 1 | 2 | 57 | 40 | 4 | 30 | 13.4 | 849. | 424. | 18.1 |
| GBM (S) USB-30' | 1 | 2 | 51 | 54 | 1 | 2 | 59 | 1 | 7 | 7 | 1 | 2 | 53 | 9 | 1 | 2 | 57 | 40 | 4 | 30 | 13.4 | 850. | 424. | 18.1 |
| BDA (C) FPS-16M | 1 | 2 | 54 | 14 | 1 | 3 | 2 | 23 | 8 | 9 | 1 | 2 | 55 | 16 | 1 | 3 | 1 | 11 | 5 | 55 | 65.6 | 968. | 143. | 18.1 |
| BDQ (C) FPQ-6 | 1 | 2 | 54 | 14 | 1 | 3 | 2 | 23 | 8 | 9 | 1 | 2 | 55 | 16 | 1 | 3 | 1 | 11 | 5 | 55 | 65.6 | 968. | 143. | 18.1 |
| BCA (S) USB-30' | 1 | 2 | 54 | 14 | 1 | 3 | 2 | 23 | 8 | 9 | 1 | 2 | 55 | 16 | 1 | 3 | 1 | 11 | 5 | 55 | 65.5 | 968. | 143. | 18.1 |
| ANG (S) USB-30' | 1 | 2 | 57 | 41 | 1 | 3 | 2 | 21 | 4 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 988. | 824. | 18.1 |
| VAN (S) USB-30' | 1 | 2 | 58 | 26 | 1 | 3 | 6 | 32 | 8 | 6 | 1 | 2 | 59 | 35 | 1 | 3 | 5 | 11 | 5 | 36 | 18.8 | 1003. | 393. | 18.1 |
| CYI (C) MPS26 | 1 | 3 | 6 | 20 | 1 | 3 | 11 | 33 | 5 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 1112. | 953. | 18.2 |
| CYI (S) USB-30' | 1 | 3 | 6 | 20 | 1 | 3 | 11 | 33 | 5 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 1112. | 953. | 18.2 |
| ASC (C) TPQ-18 | 1 | 3 | 10 | 54 | 1 | 3 | 18 | 37 | 7 | 42 | 1 | 3 | 12 | 48 | 1 | 3 | 16 | 31 | 3 | 43 | 7.2 | 1198. | 849. | 18.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACN (S) USB-30' | 1 | 3 | 10 | 54 | 1 | 3 | 18 | 38 | 7 | 44 | 1 | 3 | 12 | 47 | 1 | 3 | 16 | 34 | 3 | 46 | 7.3 | 1194. | 846. | 18.2 |
| PRE (C) MPS-25M | 1 | 3 | 20 | 59 | 1 | 3 | 32 | 30 | 11 | 31 | 1 | 3 | 22 | 12 | 1 | 3 | 31 | 11 | 8 | 59 | 35.5 | 1310. | 413. | 18.4 |
| TAN (C) FPS-16M | 1 | 3 | 24 | 42 | 1 | 3 | 35 | 53 | 11 | 10 | 1 | 3 | 26 | 4 | 1 | 3 | 34 | 29 | 8 | 25 | 21.8 | 1255. | 598. | 18.4 |
| CRO (C) FPQ-6 | 1 | 3 | 41 | 37 | 1 | 3 | 52 | 50 | 11 | 13 | 1 | 3 | 42 | 56 | 1 | 3 | 51 | 42 | 8 | 45 | 42.4 | 1248. | 341. | 18.6 |
| CRO (S) USB-30' | 1 | 3 | 41 | 37 | 1 | 3 | 52 | 51 | 11 | 13 | 1 | 3 | 42 | 56 | 1 | 3 | 51 | 42 | 8 | 46 | 42.5 | 1248. | 340. | 18.6 |
| HTV (S) USB-30' | 1 | 3 | 58 | 10 | 1 | 4 | 6 | 9 | 7 | 58 | 1 | 3 | 59 | 39 | 1 | 4 | 4 | 52 | 5 | 13 | 13.1 | 942. | 540. | 18.7 |
| HAW (C) FPS-16M | 1 | 4 | 9 | 7 | 1 | 4 | 16 | 52 | 7 | 45 | 1 | 4 | 10 | 15 | 1 | 4 | 15 | 51 | 5 | 36 | 86.6 | 948. | 119. | 18.8 |
| HAW (S) USB-30' | 1 | 4 | 9 | 7 | 1 | 4 | 16 | 52 | 7 | 45 | 1 | 4 | 10 | 15 | 1 | 4 | 15 | 51 | 5 | 36 | 86.6 | 948. | 119. | 18.8 |
| RED (S) USB-30' | 1 | 4 | 11 | 37 | 1 | 4 | 17 | 7 | 5 | 30 | 1 | 4 | 13 | 59 | 1 | 4 | 14 | 36 | 0 | 36 | 5.2 | 841. | 644. | 18.8 |
| CAL (C) FPS-16 | 1 | 4 | 18 | 44 | 1 | 4 | 26 | 16 | 7 | 32 | 1 | 4 | 19 | 47 | 1 | 4 | 25 | 9 | 5 | 21 | 52.1 | 918. | 143. | 18.9 |
| GDS (S) USB-85' | 1 | 4 | 19 | 32 | 1 | 4 | 27 | 5 | 7 | 32 | 1 | 4 | 20 | 32 | 1 | 4 | 25 | 56 | 5 | 23 | 43.9 | 923. | 163. | 18.9 |
| GYM (S) USB-30' | 1 | 4 | 21 | 4 | 1 | 4 | 28 | 11 | 7 | 7 | 1 | 4 | 22 | 16 | 1 | 4 | 26 | 55 | 4 | 38 | 15.9 | 938. | 365. | 19.0 |
| WHS (C) FPS-16M | 1 | 4 | 21 | 45 | 1 | 4 | 29 | 27 | 7 | 42 | 1 | 4 | 22 | 49 | 1 | 4 | 28 | 18 | 5 | 29 | 57.4 | 888. | 140. | 19.0 |
| TEX (S) USB-30' | 1 | 4 | 24 | 1 | 1 | 4 | 31 | 30 | 7 | 28 | 1 | 4 | 25 | 11 | 1 | 4 | 30 | 15 | 5 | 3 | 18.8 | 975. | 340. | 19.0 |
| MIL (S) USB-30' | 1 | 4 | 27 | 22 | 1 | 4 | 35 | 42 | 8 | 20 | 1 | 4 | 28 | 25 | 1 | 4 | 34 | 29 | 6 | 4 | 56.9 | 994. | 163. | 19.1 |
| PAT (C) FPQ-6 | 1 | 4 | 27 | 24 | 1 | 4 | 35 | 45 | 8 | 20 | 1 | 4 | 28 | 28 | 1 | 4 | 34 | 31 | 6 | 3 | 54.1 | 985. | 168. | 19.1 |
| GBI (C) TPQ-18 | 1 | 4 | 28 | 2 | 1 | 4 | 36 | 24 | 8 | 21 | 1 | 4 | 29 | 4 | 1 | 4 | 35 | 12 | 6 | 8 | 35.6 | 939. | 231. | 19.1 |
| GBM (S) USB-30' | 1 | 4 | 28 | 3 | 1 | 4 | 36 | 24 | 8 | 21 | 1 | 4 | 29 | 4 | 1 | 4 | 35 | 13 | 6 | 8 | 35.8 | 936. | 232. | 19.1 |
| BCA (C) FPS-16M | 1 | 4 | 30 | 38 | 1 | 4 | 38 | 30 | 7 | 51 | 1 | 4 | 31 | 52 | 1 | 4 | 37 | 6 | 5 | 14 | 14.7 | 1083. | 474. | 19.1 |
| BCQ (C) FPQ-6 | 1 | 4 | 30 | 38 | 1 | 4 | 38 | 30 | 7 | 51 | 1 | 4 | 31 | 52 | 1 | 4 | 37 | 6 | 5 | 14 | 14.7 | 1083. | 474. | 19.1 |
| BCA (S) USB-30' | 1 | 4 | 30 | 38 | 1 | 4 | 38 | 29 | 7 | 51 | 1 | 4 | 31 | 52 | 1 | 4 | 37 | 6 | 5 | 14 | 14.7 | 1083. | 474. | 19.1 |
| ANG (S) USB-30' | 1 | 4 | 32 | 37 | 1 | 4 | 41 | 20 | 8 | 42 | 1 | 4 | 33 | 44 | 1 | 4 | 40 | 1 | 6 | 16 | 23.1 | 953. | 365. | 19.1 |
| VAN (S) USB-30' | 1 | 4 | 36 | 11 | 1 | 4 | 40 | 48 | 4 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 1084. | 950. | 19.1 |
| ASC (C) TPQ-18 | 1 | 4 | 45 | 38 | 1 | 4 | 56 | 50 | 11 | 12 | 1 | 4 | 46 | 44 | 1 | 4 | 55 | 33 | 8 | 48 | 63.9 | 1266. | 253. | 19.2 |
| ACN (S) USB-30' | 1 | 4 | 45 | 39 | 1 | 4 | 56 | 51 | 11 | 12 | 1 | 4 | 46 | 45 | 1 | 4 | 55 | 34 | 8 | 48 | 63.4 | 1263. | 254. | 19.2 |
| PRE (C) MPS-25M | 1 | 4 | 57 | 18 | 1 | 5 | 9 | 20 | 12 | 2 | 1 | 4 | 58 | 32 | 1 | 5 | 8 | 6 | 9 | 34 | 52.8 | 1318. | 328. | 19.4 |
| TAN (C) FPS-16M | 1 | 5 | 2 | 50 | 1 | 5 | 12 | 28 | 9 | 38 | 1 | 5 | 4 | 37 | 1 | 5 | 10 | 42 | 6 | 4 | 10.4 | 1359. | 893. | 19.4 |
| CRO (C) FPQ-6 | 1 | 5 | 18 | 37 | 1 | 5 | 28 | 59 | 10 | 21 | 1 | 5 | 19 | 56 | 1 | 5 | 27 | 51 | 7 | 54 | 31.7 | 1130. | 375. | 19.6 |
| CRO (S) USB-30' | 1 | 5 | 18 | 37 | 1 | 5 | 28 | 59 | 10 | 21 | 1 | 5 | 19 | 56 | 1 | 5 | 27 | 51 | 7 | 54 | 31.6 | 1131. | 376. | 19.6 |
| GWM (S) USB-30' | 1 | 5 | 32 | 45 | 1 | 5 | 39 | 46 | 7 | 0 | 1 | 5 | 34 | 27 | 1 | 5 | 38 | 13 | 3 | 46 | 8.7 | 952. | 624. | 19.7 |
| HAW (C) FPS-16M | 1 | 5 | 46 | 25 | 1 | 5 | 52 | 51 | 6 | 25 | 1 | 5 | 47 | 51 | 1 | 5 | 51 | 25 | 3 | 34 | 9.6 | 893. | 481. | 19.8 |
| HAW (S) USB-30' | 1 | 5 | 46 | 25 | 1 | 5 | 52 | 51 | 6 | 25 | 1 | 5 | 47 | 51 | 1 | 5 | 51 | 25 | 3 | 34 | 9.6 | 893. | 481. | 19.8 |
| CAL (C) FPS-16 | 1 | 5 | 54 | 58 | 1 | 6 | 2 | 51 | 7 | 52 | 1 | 5 | 56 | 1 | 1 | 6 | 1 | 41 | 5 | 40 | 43.4 | 894. | 175. | 19.9 |
| GDS (S) USB-85' | 1 | 5 | 55 | 45 | 1 | 6 | 3 | 35 | 7 | 49 | 1 | 5 | 56 | 48 | 1 | 6 | 2 | 23 | 5 | 35 | 33.6 | 963. | 217. | 20.0 |
| GYM (S) USB-30' | 1 | 5 | 57 | 25 | 1 | 6 | 5 | 24 | 7 | 59 | 1 | 5 | 58 | 30 | 1 | 6 | 4 | 13 | 5 | 43 | 30.2 | 908. | 249. | 20.0 |
| WHS (C) FPS-16M | 1 | 5 | 57 | 59 | 1 | 6 | 6 | 11 | 8 | 11 | 1 | 5 | 59 | 1 | 1 | 6 | 5 | 0 | 5 | 58 | 40.1 | 867. | 198. | 20.0 |
| TEX (S) USB-30' | 1 | 6 | 0 | 9 | 1 | 6 | 8 | 42 | 8 | 33 | 1 | 6 | 1 | 11 | 1 | 6 | 7 | 29 | 6 | 18 | 63.0 | 1017. | 160. | 20.0 |
| MIL (S) USB-30' | 1 | 6 | 3 | 44 | 1 | 6 | 12 | 2 | 8 | 18 | 1 | 6 | 4 | 55 | 1 | 6 | 10 | 39 | 5 | 43 | 17.3 | 1007. | 442. | 20.0 |
| PAT (C) FPQ-6 | 1 | 6 | 3 | 45 | 1 | 6 | 12 | 7 | 8 | 21 | 1 | 6 | 4 | 56 | 1 | 6 | 10 | 45 | 5 | 48 | 17.9 | 990. | 431. | 20.0 |
| BCA (C) FPS-16M | 1 | 6 | 9 | 32 | 1 | 6 | 11 | 29 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1111. | 1073. | 20.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BDQ (C) FPQ-6 | 1 | 6 | 9 | 32 | 1 | 6 | 11 | 29 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1111. | 1073. | 20.0 |
| BDA (S) USB-30' | 1 | 6 | 9 | 32 | 1 | 6 | 11 | 29 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1111. | 1073. | 20.0 |
| GBI (C) TPQ-18 | 1 | 6 | 4 | 22 | 1 | 6 | 12 | 54 | 8 | 32 | 1 | 6 | 5 | 32 | 1 | 6 | 11 | 32 | 6 | 0 | 19.9 | 1048. | 411. | 20.0 |
| GBM (S) USB-30' | 1 | 6 | 4 | 22 | 1 | 6 | 12 | 54 | 8 | 31 | 1 | 6 | 5 | 32 | 1 | 6 | 11 | 32 | 6 | 0 | 19.9 | 1046. | 412. | 20.0 |
| ANG (S) USB-30' | 1 | 6 | 8 | 48 | 1 | 6 | 18 | 7 | 9 | 19 | 1 | 6 | 9 | 57 | 1 | 6 | 16 | 46 | 6 | 48 | 22.5 | 1083. | 430. | 20.1 |
| ASC (C) TPQ-18 | 1 | 6 | 23 | 2 | 1 | 6 | 32 | 54 | 9 | 52 | 1 | 6 | 24 | 34 | 1 | 6 | 31 | 15 | 6 | 41 | 12.7 | 1296. | 779. | 20.2 |
| ACN (S) USB-30' | 1 | 6 | 23 | 3 | 1 | 6 | 32 | 55 | 9 | 51 | 1 | 6 | 24 | 36 | 1 | 6 | 31 | 15 | 6 | 39 | 12.6 | 1295. | 782. | 20.2 |
| PRE (C) MPS-25M | 1 | 6 | 34 | 36 | 1 | 6 | 46 | 7 | 11 | 30 | 1 | 6 | 35 | 56 | 1 | 6 | 44 | 48 | 8 | 52 | 26.8 | 1219. | 523. | 20.4 |
| TAN (C) FPS-16M | 1 | 6 | 40 | 42 | 1 | 6 | 49 | 57 | 9 | 15 | 1 | 6 | 42 | 34 | 1 | 6 | 48 | 11 | 5 | 36 | 9.7 | 1257. | 889. | 20.4 |
| CRO (C) FPQ-6 | 1 | 6 | 57 | 46 | 1 | 7 | 2 | 11 | 4 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 1123. | 1036. | 20.5 |
| CRO (S) USB-30' | 1 | 6 | 57 | 46 | 1 | 7 | 2 | 11 | 4 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 1124. | 1036. | 20.5 |
| GWM (S) USB-30' | 1 | 7 | 8 | 37 | 1 | 7 | 16 | 36 | 7 | 58 | 1 | 7 | 9 | 48 | 1 | 7 | 15 | 31 | 5 | 43 | 32.4 | 882. | 232. | 20.7 |
| HAW (C) FPS-16M | 1 | 7 | 24 | 16 | 1 | 7 | 29 | 11 | 4 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 860. | 696. | 20.8 |
| HAW (S) USB-30' | 1 | 7 | 24 | 16 | 1 | 7 | 29 | 11 | 4 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 860. | 696. | 20.8 |
| CAL (C) FPS-16 | 1 | 7 | 31 | 19 | 1 | 7 | 39 | 3 | 7 | 43 | 1 | 7 | 32 | 31 | 1 | 7 | 37 | 42 | 5 | 11 | 15.6 | 928. | 427. | 20.9 |
| GDS (S) USB-85' | 1 | 7 | 32 | 11 | 1 | 7 | 39 | 30 | 7 | 19 | 1 | 7 | 33 | 30 | 1 | 7 | 38 | 2 | 4 | 31 | 11.5 | 1046. | 521. | 20.9 |
| GYM (S) USB-30' | 1 | 7 | 33 | 36 | 1 | 7 | 42 | 13 | 8 | 36 | 1 | 7 | 34 | 40 | 1 | 7 | 40 | 58 | 6 | 17 | 32.0 | 937. | 268. | 21.0 |
| WHS (C) FPS-16M | 1 | 7 | 34 | 36 | 1 | 7 | 41 | 59 | 7 | 23 | 1 | 7 | 36 | 0 | 1 | 7 | 40 | 23 | 4 | 23 | 10.2 | 997. | 593. | 21.0 |
| MIL (S) USB-30' | 1 | 7 | 43 | 10 | 1 | 7 | 44 | 40 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .2 | 1128. | 1109. | 21.0 |
| PAT (C) FPQ-6 | 1 | 7 | 42 | 57 | 1 | 7 | 44 | 58 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1115. | 1098. | 21.0 |
| TEX (S) USB-30' | 1 | 7 | 36 | 45 | 1 | 7 | 44 | 40 | 7 | 54 | 1 | 7 | 38 | 6 | 1 | 7 | 43 | 8 | 5 | 2 | 12.1 | 1101. | 571. | 21.0 |
| GBI (C) TPQ-18 | 1 | 7 | 43 | 22 | 1 | 7 | 45 | 57 | 2 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1127. | 1098. | 21.0 |
| GBM (S) USB-30' | 1 | 7 | 43 | 23 | 1 | 7 | 45 | 57 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1127. | 1098. | 21.0 |
| ANG (S) USB-30' | 1 | 7 | 49 | 12 | 1 | 7 | 50 | 28 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 1231. | 1209. | 21.0 |
| ASC (C) TPQ-18 | 1 | 8 | 4 | 1 | 1 | 8 | 6 | 54 | 2 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1357. | 1337. | 21.2 |
| ACN (S) USB-30' | 1 | 8 | 4 | 5 | 1 | 8 | 6 | 52 | 2 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .6 | 1359. | 1340. | 21.2 |
| PRE (C) MPS-25M | 1 | 8 | 11 | 50 | 1 | 8 | 23 | 11 | 11 | 20 | 1 | 8 | 13 | 12 | 1 | 8 | 21 | 57 | 8 | 45 | 29.5 | 1257. | 470. | 21.4 |
| TAN (C) FPS-16M | 1 | 8 | 17 | 30 | 1 | 8 | 27 | 53 | 10 | 22 | 1 | 8 | 18 | 56 | 1 | 8 | 26 | 36 | 7 | 39 | 19.8 | 1160. | 569. | 21.4 |
| GWM (S) USB-30' | 1 | 8 | 47 | 42 | 1 | 8 | 51 | 5 | 3 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 844. | 807. | 21.6 |
| HAW (C) FPS-16M | 1 | 9 | 0 | 42 | 1 | 9 | 7 | 10 | 6 | 28 | 1 | 9 | 2 | 17 | 1 | 9 | 5 | 27 | 3 | 10 | 7.7 | 870. | 592. | 21.8 |
| HAW (S) USB-30' | 1 | 9 | 0 | 42 | 1 | 9 | 7 | 10 | 6 | 28 | 1 | 9 | 2 | 17 | 1 | 9 | 5 | 27 | 3 | 10 | 7.7 | 870. | 592. | 21.8 |
| RED (S) USB-30' | 1 | 9 | 4 | 44 | 1 | 9 | 8 | 59 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 962. | 859. | 21.9 |
| CAL (C) FPS-16 | 1 | 9 | 8 | 57 | 1 | 9 | 13 | 19 | 4 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 1000. | 928. | 21.9 |
| GYM (S) USB-30' | 1 | 9 | 11 | 5 | 1 | 9 | 16 | 58 | 5 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 1081. | 875. | 21.9 |
| PRE (C) MPS-25M | 1 | 9 | 48 | 45 | 1 | 10 | 0 | 0 | 11 | 14 | 1 | 9 | 50 | 2 | 1 | 9 | 58 | 53 | 8 | 51 | 75.7 | 1200. | 240. | 22.4 |
| TAN (C) FPS-16M | 1 | 9 | 54 | 12 | 1 | 10 | 4 | 41 | 10 | 28 | 1 | 9 | 55 | 29 | 1 | 10 | 3 | 35 | 8 | 5 | 58.5 | 1236. | 241. | 22.4 |
| HAW (C) FPS-16M | 1 | 10 | 36 | 28 | 1 | 10 | 45 | 8 | 8 | 40 | 1 | 10 | 37 | 31 | 1 | 10 | 43 | 54 | 6 | 23 | 42.0 | 951. | 216. | 22.8 |
| HAW (S) USB-30' | 1 | 10 | 36 | 28 | 1 | 10 | 45 | 8 | 8 | 40 | 1 | 10 | 37 | 31 | 1 | 10 | 43 | 54 | 6 | 23 | 42.1 | 951. | 216. | 22.8 |
| RED (S) USB-30' | 1 | 10 | 39 | 23 | 1 | 10 | 48 | 17 | 8 | 53 | 1 | 10 | 40 | 30 | 1 | 10 | 46 | 59 | 6 | 29 | 26.6 | 992. | 336. | 22.9 |
| PRE (C) MPS-25M | 1 | 11 | 26 | 9 | 1 | 11 | 35 | 21 | 9 | 11 | 1 | 11 | 27 | 41 | 1 | 11 | 34 | 1 | 6 | 19 | 14.2 | 1228. | 627. | 23.3 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| TAN (C) FPS-16M | 1 11 32 35 | 1 11 38 55 | 6 19 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.8 | 1064. | 874. | 23.4 |
| HAW (C) FPS-16M | 1 12 12 55 | 1 12 21 24 | 8 28 | 1 12 14 11 | 1 12 19 58 | 5 46 | 14.7 | 987. | 526. | 23.8 |
| HAW (S) USB-30' | 1 12 12 55 | 1 12 21 24 | 8 28 | 1 12 14 11 | 1 12 19 58 | 5 46 | 14.7 | 987. | 527. | 23.8 |
| RED (S) USB-30' | 1 12 15 41 | 1 12 24 53 | 9 12 | 1 12 16 53 | 1 12 23 27 | 6 34 | 18.4 | 1145. | 499. | 23.8 |
| ASC (C) TPQ-18 | 1 12 56 27 | 1 13 3 40 | 7 13 | 1 12 59 12 | 1 13 1 4 | 1 52 | 5.5 | 1297. | 957. | 24.2 |
| ACN (S) USB-30' | 1 12 56 28 | 1 13 3 42 | 7 13 | 1 12 59 13 | 1 13 1 6 | 1 52 | 5.6 | 1165. | 956. | 24.2 |
| GWM (S) USB-30' | 1 13 40 5 | 1 13 44 31 | 4 25 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.5 | 1031. | 869. | 24.7 |
| MER (S) USB-30' | 1 13 56 32 | 1 14 4 13 | 7 41 | 1 13 58 46 | 1 14 1 50 | 3 4 | 6.4 | 1220. | 959. | 24.8 |
| ASC (C) TPQ-18 | 1 14 31 58 | 1 14 41 53 | 9 55 | 1 14 33 16 | 1 14 40 47 | 7 31 | 39.2 | 1142. | 289. | 25.2 |
| ACN (S) USB-30' | 1 14 31 59 | 1 14 41 54 | 9 55 | 1 14 33 17 | 1 14 40 48 | 7 31 | 39.5 | 1146. | 287. | 25.2 |
| GWM (S) USB-30' | 1 15 14 38 | 1 15 23 46 | 9 8 | 1 15 15 42 | 1 15 22 27 | 6 44 | 30.3 | 1103. | 308. | 25.7 |
| HTV (S) USB-30' | 1 15 22 51 | 1 15 32 54 | 10 3 | 1 15 24 2 | 1 15 31 30 | 7 27 | 23.6 | 1211. | 466. | 25.8 |
| MER (S) USB-30' | 1 15 30 52 | 1 15 42 28 | 11 35 | 1 15 32 2 | 1 15 41 12 | 9 10 | 52.2 | 1376. | 311. | 25.9 |
| ASC (C) TPQ-18 | 1 16 9 31 | 1 16 17 13 | 7 41 | 1 16 11 9 | 1 16 15 47 | 4 37 | 10.4 | 978. | 627. | 26.2 |
| ACN (S) USB-30' | 1 16 9 33 | 1 16 17 14 | 7 40 | 1 16 11 11 | 1 16 15 47 | 4 35 | 10.3 | 982. | 629. | 26.2 |
| GWM (S) USB-30' | 1 16 51 7 | 1 17 0 8 | 9 0 | 1 16 52 25 | 1 16 58 38 | 6 12 | 15.5 | 1110. | 567. | 26.7 |
| HTV (S) USB-30' | 1 16 59 0 | 1 17 9 49 | 10 48 | 1 17 0 14 | 1 17 8 26 | 8 12 | 26.8 | 1281. | 472. | 26.7 |
| MER (S) USB-30' | 1 17 7 35 | 1 17 19 13 | 11 38 | 1 17 8 50 | 1 17 17 54 | 9 4 | 31.1 | 1233. | 470. | 26.8 |
| CYI (C) MPS26 | 1 17 51 20 | 1 17 58 4 | 6 43 | 1 17 52 50 | 1 17 56 41 | 3 50 | 9.8 | 955. | 521. | 27.2 |
| CYI (S) USB-30' | 1 17 51 20 | 1 17 58 4 | 6 43 | 1 17 52 50 | 1 17 56 41 | 3 50 | 9.8 | 955. | 521. | 27.2 |
| HSK (S) USB-85' | 1 18 36 41 | 1 18 44 8 | 7 27 | 1 18 39 26 | 1 18 41 11 | 1 45 | 5.4 | 1280. | 1057. | 27.7 |
| HTV (S) USB-30' | 1 18 38 3 | 1 18 44 54 | 6 51 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.2 | 1319. | 1125. | 27.7 |
| MER (S) USB-30' | 1 18 45 19 | 1 18 55 59 | 10 39 | 1 18 46 50 | 1 18 54 28 | 7 38 | 15.7 | 1353. | 737. | 27.8 |
| ANG (S) USB-30' | 1 19 16 29 | 1 19 23 7 | 6 37 | 1 19 18 23 | 1 19 21 24 | 3 0 | 6.9 | 917. | 685. | 28.1 |
| VAN (S) USB-30' | 1 19 24 11 | 1 19 26 45 | 2 33 | 0 0 0 0 | 0 0 0 0 | 0 0 | .9 | 934. | 892. | 28.1 |
| CYI (C) MPS26 | 1 19 27 9 | 1 19 34 47 | 7 38 | 1 19 28 16 | 1 19 33 44 | 5 27 | 46.6 | 860. | 155. | 28.2 |
| CYI (S) USB-30' | 1 19 27 9 | 1 19 34 47 | 7 38 | 1 19 28 16 | 1 19 33 44 | 5 27 | 46.6 | 860. | 155. | 28.2 |
| MAD (S) USB-85' | 1 19 31 19 | 1 19 37 15 | 5 55 | 1 19 32 59 | 1 19 35 37 | 2 37 | 7.2 | 869. | 553. | 28.3 |
| CRO (C) FPQ-6 | 1 20 3 24 | 1 20 12 3 | 8 39 | 1 20 5 9 | 1 20 10 8 | 4 59 | 9.0 | 1251. | 868. | 28.6 |
| CRO (S) USB-30' | 1 20 3 24 | 1 20 12 3 | 8 39 | 1 20 5 9 | 1 20 10 8 | 4 59 | 9.0 | 1251. | 868. | 28.6 |
| HSK (S) USB-85' | 1 20 10 47 | 1 20 22 2 | 11 15 | 1 20 12 6 | 1 20 20 40 | 8 34 | 24.4 | 1272. | 555. | 28.7 |
| MER (S) USB-30' | 1 20 22 49 | 1 20 33 23 | 10 33 | 1 20 24 20 | 1 20 31 57 | 7 37 | 16.4 | 1266. | 697. | 28.8 |
| GBI (C) TPQ-18 | 1 20 52 39 | 1 20 55 31 | 2 51 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.0 | 959. | 922. | 29.1 |
| GBM (S) USB-30' | 1 20 52 39 | 1 20 55 32 | 2 53 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.0 | 957. | 921. | 29.1 |
| BCA (C) FPS-16M | 1 20 55 33 | 1 20 59 36 | 4 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 901. | 811. | 29.1 |
| BDQ (C) FPQ-6 | 1 20 55 33 | 1 20 59 36 | 4 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 901. | 811. | 29.1 |
| BCA (S) USB-30' | 1 20 55 33 | 1 20 59 36 | 4 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 902. | 811. | 29.1 |
| ANG (S) USB-30' | 1 20 52 2 | 1 21 0 11 | 8 8 | 1 20 53 14 | 1 20 59 9 | 5 55 | 54.0 | 924. | 158. | 29.1 |
| VAN (S) USB-30' | 1 20 57 50 | 1 21 5 2 | 7 11 | 1 20 59 4 | 1 21 3 53 | 4 48 | 17.6 | 806. | 338. | 29.2 |
| CYI (C) MPS26 | 1 21 4 5 | 1 21 11 11 | 7 5 | 1 21 5 18 | 1 21 9 58 | 4 39 | 16.7 | 816. | 341. | 29.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CYI (S) USB-30° | 1 | 21 | 4 | 5 | 1 | 21 | 11 | 11 | 7 | 5 | 1 | 21 | 5 | 18 | 1 | 21 | 9 | 58 | 4 | 40 | 16.7 | 816. | 341. | 29.2 |
| MAD (S) USB-85° | 1 | 21 | 6 | 55 | 1 | 21 | 13 | 36 | 6 | 41 | 1 | 21 | 8 | 13 | 1 | 21 | 12 | 15 | 4 | 1 | 11.4 | 896. | 446. | 29.3 |
| CRO (C) FPQ-6 | 1 | 21 | 38 | 8 | 1 | 21 | 49 | 54 | 11 | 45 | 1 | 21 | 39 | 19 | 1 | 21 | 48 | 37 | 9 | 18 | 55.4 | 1293. | 303. | 29.6 |
| CRO (S) USB-30° | 1 | 21 | 38 | 8 | 1 | 21 | 49 | 54 | 11 | 45 | 1 | 21 | 39 | 19 | 1 | 21 | 48 | 37 | 9 | 18 | 55.3 | 1293. | 304. | 29.6 |
| HSK (S) USB-85° | 1 | 21 | 46 | 44 | 1 | 21 | 58 | 47 | 12 | 2 | 1 | 21 | 47 | 58 | 1 | 21 | 57 | 33 | 9 | 34 | 52.6 | 1299. | 330. | 29.7 |
| MER (S) USB-30° | 1 | 21 | 59 | 38 | 1 | 22 | 10 | 48 | 11 | 9 | 1 | 22 | 0 | 57 | 1 | 22 | 9 | 38 | 8 | 40 | 38.0 | 1190. | 368. | 29.8 |
| TEX (S) USB-30° | 1 | 22 | 24 | 20 | 1 | 22 | 28 | 30 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 984. | 842. | 30.0 |
| MIL (S) USB-30° | 1 | 22 | 26 | 19 | 1 | 22 | 33 | 25 | 7 | 5 | 1 | 22 | 27 | 40 | 1 | 22 | 32 | 11 | 4 | 31 | 12.9 | 946. | 435. | 30.0 |
| PAT (C) FPQ-6 | 1 | 22 | 26 | 16 | 1 | 22 | 33 | 26 | 7 | 9 | 1 | 22 | 27 | 35 | 1 | 22 | 32 | 14 | 4 | 38 | 13.6 | 935. | 419. | 30.0 |
| GBI (C) TPQ-18 | 1 | 22 | 26 | 21 | 1 | 22 | 33 | 57 | 7 | 36 | 1 | 22 | 27 | 33 | 1 | 22 | 32 | 52 | 5 | 18 | 24.4 | 949. | 275. | 30.1 |
| GBM (S) USB-30° | 1 | 22 | 26 | 21 | 1 | 22 | 33 | 58 | 7 | 36 | 1 | 22 | 27 | 33 | 1 | 22 | 32 | 52 | 5 | 18 | 24.5 | 950. | 274. | 30.1 |
| ANG (S) USB-30° | 1 | 22 | 30 | 15 | 1 | 22 | 35 | 27 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 894. | 684. | 30.1 |
| BDA (C) FPS-16M | 1 | 22 | 29 | 56 | 1 | 22 | 37 | 15 | 7 | 18 | 1 | 22 | 31 | 8 | 1 | 22 | 36 | 7 | 4 | 59 | 20.9 | 819. | 295. | 30.1 |
| BCQ (C) FPQ-6 | 1 | 22 | 29 | 56 | 1 | 22 | 37 | 15 | 7 | 18 | 1 | 22 | 31 | 8 | 1 | 22 | 36 | 7 | 4 | 59 | 20.9 | 819. | 295. | 30.1 |
| BCA (S) USB-30° | 1 | 22 | 29 | 56 | 1 | 22 | 37 | 15 | 7 | 18 | 1 | 22 | 31 | 8 | 1 | 22 | 36 | 7 | 4 | 59 | 20.9 | 819. | 295. | 30.1 |
| VAN (S) USB-30° | 1 | 22 | 33 | 59 | 1 | 22 | 41 | 32 | 7 | 33 | 1 | 22 | 35 | 4 | 1 | 22 | 40 | 26 | 5 | 22 | 54.9 | 883. | 137. | 30.2 |
| CYI (C) MPS26 | 1 | 22 | 40 | 45 | 1 | 22 | 48 | 11 | 7 | 26 | 1 | 22 | 41 | 53 | 1 | 22 | 46 | 57 | 5 | 4 | 19.7 | 806. | 320. | 30.2 |
| CYI (S) USB-30° | 1 | 22 | 40 | 45 | 1 | 22 | 48 | 11 | 7 | 26 | 1 | 22 | 41 | 53 | 1 | 22 | 46 | 57 | 5 | 4 | 19.7 | 806. | 320. | 30.2 |
| MAD (S) USB-85° | 1 | 22 | 43 | 8 | 1 | 22 | 49 | 20 | 6 | 11 | 1 | 22 | 44 | 47 | 1 | 22 | 47 | 36 | 2 | 49 | 7.2 | 852. | 599. | 30.2 |
| CRO (C) FPQ-6 | 1 | 23 | 14 | 51 | 1 | 23 | 26 | 39 | 11 | 48 | 1 | 23 | 16 | 6 | 1 | 23 | 25 | 21 | 9 | 15 | 35.3 | 1344. | 432. | 30.6 |
| CRO (S) USB-30° | 1 | 23 | 14 | 51 | 1 | 23 | 26 | 39 | 11 | 48 | 1 | 23 | 16 | 6 | 1 | 23 | 25 | 21 | 9 | 15 | 35.3 | 1343. | 431. | 30.6 |
| HSK (S) USB-85° | 1 | 23 | 23 | 19 | 1 | 23 | 35 | 14 | 11 | 55 | 1 | 23 | 24 | 34 | 1 | 23 | 34 | 3 | 9 | 29 | 57.6 | 1355. | 306. | 30.7 |
| HTV (S) USB-30° | 1 | 23 | 36 | 24 | 1 | 23 | 36 | 30 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | 1305. | 1305. | 30.7 |
| MER (S) USB-30° | 1 | 23 | 36 | 38 | 1 | 23 | 46 | 57 | 10 | 18 | 1 | 23 | 37 | 58 | 1 | 23 | 45 | 48 | 7 | 49 | 29.1 | 1137. | 401. | 30.8 |
| GYM (S) USB-30° | 1 | 23 | 56 | 33 | 2 | 0 | 3 | 3 | 6 | 30 | 1 | 23 | 58 | 11 | 2 | 0 | 1 | 33 | 3 | 22 | 8.1 | 826. | 579. | 31.0 |
| WHS (C) FPS-16M | 1 | 23 | 58 | 33 | 2 | 0 | 3 | 57 | 5 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 833. | 681. | 31.0 |
| TEX (S) USB-30° | 1 | 23 | 58 | 41 | 2 | 0 | 6 | 19 | 7 | 38 | 1 | 23 | 59 | 51 | 2 | 0 | 5 | 15 | 5 | 24 | 29.2 | 791. | 235. | 31.0 |
| MIL (S) USB-30° | 2 | 0 | 2 | 25 | 2 | 0 | 10 | 0 | 7 | 35 | 2 | 0 | 3 | 31 | 2 | 0 | 8 | 56 | 5 | 24 | 50.4 | 911. | 147. | 31.1 |
| PAT (C) FPQ-6 | 2 | 0 | 2 | 25 | 2 | 0 | 9 | 59 | 7 | 34 | 2 | 0 | 3 | 32 | 2 | 0 | 8 | 56 | 5 | 23 | 45.8 | 913. | 157. | 31.1 |
| GBI (C) TPQ-18 | 2 | 0 | 2 | 54 | 2 | 0 | 10 | 17 | 7 | 22 | 2 | 0 | 4 | 4 | 2 | 0 | 9 | 11 | 5 | 6 | 24.6 | 798. | 256. | 31.1 |
| GBM (S) USB-30° | 2 | 0 | 2 | 55 | 2 | 0 | 10 | 17 | 7 | 22 | 2 | 0 | 4 | 4 | 2 | 0 | 9 | 11 | 5 | 6 | 24.5 | 800. | 257. | 31.1 |
| BCA (C) FPS-16M | 2 | 0 | 6 | 10 | 2 | 0 | 13 | 44 | 7 | 33 | 2 | 0 | 7 | 15 | 2 | 0 | 12 | 38 | 5 | 22 | 42.8 | 844. | 163. | 31.1 |
| BDQ (C) FPQ-6 | 2 | 0 | 6 | 10 | 2 | 0 | 13 | 44 | 7 | 33 | 2 | 0 | 7 | 15 | 2 | 0 | 12 | 38 | 5 | 22 | 42.8 | 844. | 163. | 31.1 |
| BCA (S) USB-30° | 2 | 0 | 6 | 10 | 2 | 0 | 13 | 44 | 7 | 33 | 2 | 0 | 7 | 15 | 2 | 0 | 12 | 38 | 5 | 22 | 42.9 | 844. | 163. | 31.1 |
| VAN (S) USB-30° | 2 | 0 | 10 | 30 | 2 | 0 | 18 | 10 | 7 | 40 | 2 | 0 | 11 | 33 | 2 | 0 | 17 | 4 | 5 | 31 | 50.4 | 782. | 151. | 31.2 |
| CYI (C) MPS26 | 2 | 0 | 16 | 55 | 2 | 0 | 25 | 16 | 8 | 20 | 2 | 0 | 17 | 56 | 2 | 0 | 24 | 5 | 6 | 9 | 52.7 | 859. | 166. | 31.2 |
| CYI (S) USB-30° | 2 | 0 | 16 | 55 | 2 | 0 | 25 | 16 | 8 | 20 | 2 | 0 | 17 | 56 | 2 | 0 | 24 | 5 | 6 | 9 | 52.7 | 859. | 166. | 31.2 |
| TAN (C) FPS-16M | 2 | 0 | 36 | 18 | 2 | 0 | 46 | 57 | 10 | 38 | 2 | 0 | 37 | 31 | 2 | 0 | 45 | 34 | 8 | 2 | 25.7 | 1252. | 480. | 31.4 |
| CRO (C) FPQ-6 | 2 | 0 | 52 | 16 | 2 | 1 | 3 | 33 | 11 | 17 | 2 | 0 | 53 | 40 | 2 | 1 | 2 | 12 | 8 | 32 | 21.8 | 1346. | 603. | 31.6 |
| CRO (S) USB-30° | 2 | 0 | 52 | 16 | 2 | 1 | 3 | 34 | 11 | 17 | 2 | 0 | 53 | 40 | 2 | 1 | 2 | 13 | 8 | 32 | 21.8 | 1347. | 603. | 31.6 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 2 | 1 | 0 | 8 | 2 | 1 | 11 | 10 | 11 | 1 | 2 | 1 | 1 | 30 | 2 | 1 | 9 | 56 | 8 | 25 | 26.4 | 1311. | 501. | 31.7 |
| HTV (S) USB-30' | 2 | 1 | 9 | 14 | 2 | 1 | 18 | 14 | 9 | 59 | 2 | 1 | 10 | 52 | 2 | 1 | 16 | 47 | 5 | 54 | 12.0 | 1250. | 699. | 31.7 |
| MER (S) USB-30' | 2 | 1 | 16 | 38 | 2 | 1 | 19 | 26 | 2 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1130. | 1110. | 31.8 |
| RED (S) USB-30' | 2 | 1 | 21 | 56 | 2 | 1 | 30 | 2 | 8 | 5 | 2 | 1 | 23 | 18 | 2 | 1 | 28 | 51 | 5 | 33 | 17.3 | 983. | 419. | 31.9 |
| CAL (C) FPS-16 | 2 | 1 | 31 | 41 | 2 | 1 | 37 | 39 | 5 | 58 | 2 | 1 | 33 | 26 | 2 | 1 | 36 | 0 | 2 | 34 | 6.8 | 889. | 592. | 31.9 |
| GDS (S) USB-85' | 2 | 1 | 32 | 25 | 2 | 1 | 38 | 32 | 6 | 7 | 2 | 1 | 34 | 3 | 2 | 1 | 37 | 0 | 2 | 56 | 7.8 | 925. | 553. | 31.9 |
| GYM (S) USB-30' | 2 | 1 | 32 | 11 | 2 | 1 | 39 | 51 | 7 | 40 | 2 | 1 | 33 | 19 | 2 | 1 | 38 | 47 | 5 | 28 | 87.5 | 882. | 117. | 32.0 |
| WHS (C) FPS-16M | 2 | 1 | 33 | 38 | 2 | 1 | 41 | 2 | 7 | 24 | 2 | 1 | 34 | 36 | 2 | 1 | 39 | 56 | 5 | 19 | 30.6 | 884. | 214. | 32.0 |
| TEX (S) USB-30' | 2 | 1 | 35 | 20 | 2 | 1 | 42 | 38 | 7 | 18 | 2 | 1 | 36 | 29 | 2 | 1 | 41 | 30 | 5 | 0 | 25.3 | 903. | 248. | 32.0 |
| PAT (C) FPQ-6 | 2 | 1 | 39 | 21 | 2 | 1 | 46 | 23 | 7 | 2 | 2 | 1 | 40 | 33 | 2 | 1 | 45 | 11 | 4 | 38 | 17.3 | 909. | 333. | 32.0 |
| MIL (S) USB-30' | 2 | 1 | 39 | 18 | 2 | 1 | 46 | 24 | 7 | 5 | 2 | 1 | 40 | 29 | 2 | 1 | 45 | 12 | 4 | 42 | 18.5 | 910. | 317. | 32.0 |
| GBI (C) TPQ-18 | 2 | 1 | 40 | 4 | 2 | 1 | 46 | 43 | 6 | 39 | 2 | 1 | 41 | 22 | 2 | 1 | 45 | 23 | 4 | 1 | 11.9 | 912. | 431. | 32.0 |
| GBM (S) USB-30' | 2 | 1 | 40 | 4 | 2 | 1 | 46 | 43 | 6 | 39 | 2 | 1 | 41 | 22 | 2 | 1 | 45 | 24 | 4 | 1 | 11.9 | 911. | 432. | 32.0 |
| BCA (C) FPS-16M | 2 | 1 | 42 | 38 | 2 | 1 | 50 | 20 | 7 | 42 | 2 | 1 | 43 | 42 | 2 | 1 | 49 | 11 | 5 | 29 | 62.7 | 899. | 132. | 32.1 |
| BCQ (C) FPQ-6 | 2 | 1 | 42 | 38 | 2 | 1 | 50 | 20 | 7 | 42 | 2 | 1 | 43 | 42 | 2 | 1 | 49 | 11 | 5 | 29 | 62.7 | 899. | 132. | 32.1 |
| BCA (S) USB-30' | 2 | 1 | 42 | 38 | 2 | 1 | 50 | 20 | 7 | 42 | 2 | 1 | 43 | 42 | 2 | 1 | 49 | 11 | 5 | 29 | 62.7 | 900. | 132. | 32.1 |
| VAN (S) USB-30' | 2 | 1 | 46 | 47 | 2 | 1 | 54 | 52 | 8 | 4 | 2 | 1 | 47 | 50 | 2 | 1 | 53 | 42 | 5 | 51 | 41.6 | 912. | 190. | 32.1 |
| CYI (C) MPS26 | 2 | 1 | 53 | 22 | 2 | 2 | 1 | 32 | 8 | 10 | 2 | 1 | 54 | 34 | 2 | 2 | 0 | 8 | 5 | 33 | 16.3 | 1028. | 455. | 32.2 |
| CYI (S) USB-30' | 2 | 1 | 53 | 22 | 2 | 2 | 1 | 32 | 8 | 10 | 2 | 1 | 54 | 34 | 2 | 2 | 0 | 8 | 5 | 33 | 16.3 | 1028. | 455. | 32.2 |
| PRE (C) MPS-25M | 2 | 2 | 10 | 43 | 2 | 2 | 19 | 24 | 8 | 41 | 2 | 2 | 12 | 29 | 2 | 2 | 17 | 29 | 5 | 0 | 9.0 | 1303. | 880. | 32.4 |
| TAN (C) FPS-16M | 2 | 2 | 12 | 17 | 2 | 2 | 24 | 0 | 11 | 43 | 2 | 2 | 13 | 25 | 2 | 2 | 22 | 44 | 9 | 18 | 66.9 | 1188. | 272. | 32.4 |
| CRO (C) FPQ-6 | 2 | 2 | 29 | 22 | 2 | 2 | 40 | 36 | 11 | 13 | 2 | 2 | 30 | 44 | 2 | 2 | 39 | 18 | 8 | 34 | 25.4 | 1235. | 526. | 32.6 |
| CRO (S) USB-30' | 2 | 2 | 29 | 22 | 2 | 2 | 40 | 36 | 11 | 13 | 2 | 2 | 30 | 44 | 2 | 2 | 39 | 19 | 8 | 34 | 25.4 | 1235. | 525. | 32.6 |
| HSK (S) USB-85' | 2 | 2 | 37 | 28 | 2 | 2 | 46 | 17 | 8 | 49 | 2 | 2 | 39 | 14 | 2 | 2 | 44 | 41 | 5 | 26 | 10.2 | 1222. | 803. | 32.7 |
| HTV (S) USB-30' | 2 | 2 | 45 | 25 | 2 | 2 | 55 | 17 | 9 | 51 | 2 | 2 | 46 | 41 | 2 | 2 | 54 | 12 | 7 | 31 | 51.7 | 1081. | 229. | 32.7 |
| HAW (C) FPS-16M | 2 | 2 | 57 | 51 | 2 | 3 | 4 | 48 | 6 | 57 | 2 | 2 | 59 | 23 | 2 | 3 | 3 | 24 | 4 | 1 | 9.9 | 968. | 544. | 32.8 |
| HAW (S) USB-30' | 2 | 2 | 57 | 51 | 2 | 3 | 4 | 48 | 6 | 56 | 2 | 2 | 59 | 23 | 2 | 3 | 3 | 24 | 4 | 1 | 9.9 | 968. | 544. | 32.8 |
| RED (S) USB-30' | 2 | 2 | 58 | 21 | 2 | 3 | 6 | 25 | 8 | 4 | 2 | 2 | 59 | 31 | 2 | 3 | 5 | 21 | 5 | 50 | 33.7 | 850. | 228. | 32.8 |
| CAL (C) FPS-16 | 2 | 3 | 7 | 15 | 2 | 3 | 14 | 26 | 7 | 10 | 2 | 3 | 8 | 25 | 2 | 3 | 13 | 16 | 4 | 50 | 19.5 | 826. | 304. | 32.9 |
| GDS (S) USB-85' | 2 | 3 | 8 | 5 | 2 | 3 | 15 | 14 | 7 | 8 | 2 | 3 | 9 | 15 | 2 | 3 | 14 | 4 | 4 | 49 | 18.7 | 896. | 312. | 33.0 |
| GYM (S) USB-30' | 2 | 3 | 9 | 55 | 2 | 3 | 16 | 13 | 7 | 17 | 2 | 3 | 10 | 5 | 2 | 3 | 15 | 4 | 4 | 58 | 21.3 | 878. | 284. | 33.0 |
| WHS (C) FPS-16M | 2 | 3 | 9 | 58 | 2 | 3 | 17 | 32 | 7 | 33 | 2 | 3 | 11 | 4 | 2 | 3 | 16 | 26 | 5 | 22 | 49.2 | 863. | 147. | 33.0 |
| TEX (S) USB-30' | 2 | 3 | 12 | 9 | 2 | 3 | 19 | 12 | 7 | 2 | 2 | 3 | 13 | 20 | 2 | 3 | 17 | 57 | 4 | 36 | 14.6 | 904. | 379. | 33.0 |
| MIL (S) USB-30' | 2 | 3 | 15 | 46 | 2 | 3 | 23 | 21 | 7 | 34 | 2 | 3 | 16 | 53 | 2 | 3 | 22 | 7 | 5 | 13 | 22.2 | 916. | 292. | 33.1 |
| PAT (C) FPQ-6 | 2 | 3 | 15 | 49 | 2 | 3 | 23 | 22 | 7 | 32 | 2 | 3 | 16 | 58 | 2 | 3 | 22 | 7 | 5 | 9 | 20.7 | 914. | 308. | 33.1 |
| GBI (C) TPQ-18 | 2 | 3 | 16 | 31 | 2 | 3 | 23 | 53 | 7 | 22 | 2 | 3 | 17 | 42 | 2 | 3 | 22 | 36 | 4 | 54 | 16.4 | 813. | 372. | 33.1 |
| GBM (S) USB-30' | 2 | 3 | 16 | 31 | 2 | 3 | 23 | 53 | 7 | 22 | 2 | 3 | 17 | 42 | 2 | 3 | 22 | 36 | 4 | 54 | 16.5 | 812. | 372. | 33.1 |
| BCA (C) FPS-16M | 2 | 3 | 18 | 53 | 2 | 3 | 26 | 58 | 8 | 4 | 2 | 3 | 19 | 57 | 2 | 3 | 25 | 47 | 5 | 50 | 35.5 | 872. | 220. | 33.1 |
| BCQ (C) FPQ-6 | 2 | 3 | 18 | 53 | 2 | 3 | 26 | 58 | 8 | 4 | 2 | 3 | 19 | 57 | 2 | 3 | 25 | 47 | 5 | 50 | 35.5 | 872. | 220. | 33.1 |
| BCA (S) USB-30' | 2 | 3 | 18 | 53 | 2 | 3 | 26 | 58 | 8 | 4 | 2 | 3 | 19 | 57 | 2 | 3 | 25 | 47 | 5 | 50 | 35.5 | 871. | 220. | 33.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANG (S) USB-30' | 2 | 3 | 21 | 51 | 2 | 3 | 27 | 48 | 5 | 57 | 2 | 3 | 24 | 2 | 2 | 3 | 25 | 23 | 1 | 20 | 5.4 | 919. | 715. | 33.1 |
| VAN (S) USB-30' | 2 | 3 | 23 | 17 | 2 | 3 | 30 | 48 | 7 | 30 | 2 | 3 | 24 | 36 | 2 | 3 | 29 | 18 | 4 | 42 | 11.8 | 944. | 533. | 33.1 |
| ASC (C) TPQ-18 | 2 | 3 | 34 | 50 | 2 | 3 | 43 | 55 | 9 | 5 | 2 | 3 | 36 | 13 | 2 | 3 | 42 | 21 | 6 | 8 | 13.6 | 1131. | 648. | 33.2 |
| ACN (S) USB-30' | 2 | 3 | 34 | 50 | 2 | 3 | 43 | 56 | 9 | 5 | 2 | 3 | 36 | 13 | 2 | 3 | 42 | 22 | 6 | 9 | 13.7 | 1127. | 645. | 33.2 |
| PRE (C) MPS-25M | 2 | 3 | 45 | 27 | 2 | 3 | 57 | 12 | 11 | 45 | 2 | 3 | 46 | 37 | 2 | 3 | 55 | 56 | 9 | 19 | 54.6 | 1362. | 309. | 33.4 |
| TAN (C) FPS-16M | 2 | 3 | 49 | 41 | 2 | 4 | 0 | 28 | 10 | 47 | 2 | 3 | 51 | 8 | 2 | 3 | 58 | 59 | 7 | 51 | 17.4 | 1313. | 688. | 33.4 |
| CRO (C) FPQ-6 | 2 | 4 | 6 | 15 | 2 | 4 | 17 | 34 | 11 | 18 | 2 | 4 | 7 | 31 | 2 | 4 | 16 | 26 | 8 | 55 | 66.1 | 1173. | 257. | 33.6 |
| CRO (S) USB-30' | 2 | 4 | 6 | 15 | 2 | 4 | 17 | 34 | 11 | 19 | 2 | 4 | 7 | 31 | 2 | 4 | 16 | 26 | 8 | 55 | 66.2 | 1173. | 257. | 33.6 |
| HTV (S) USB-30' | 2 | 4 | 23 | 26 | 2 | 4 | 30 | 9 | 6 | 42 | 2 | 4 | 25 | 32 | 2 | 4 | 28 | 17 | 2 | 44 | 6.6 | 1012. | 733. | 33.7 |
| HAW (C) FPS-16M | 2 | 4 | 33 | 46 | 2 | 4 | 41 | 29 | 7 | 43 | 2 | 4 | 34 | 56 | 2 | 4 | 40 | 26 | 5 | 29 | 36.2 | 883. | 195. | 33.8 |
| HAW (S) USB-30' | 2 | 4 | 33 | 46 | 2 | 4 | 41 | 29 | 7 | 43 | 2 | 4 | 34 | 56 | 2 | 4 | 40 | 26 | 5 | 29 | 36.2 | 884. | 195. | 33.8 |
| RED (S) USB-30' | 2 | 4 | 37 | 0 | 2 | 4 | 41 | 18 | 4 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 908. | 756. | 33.8 |
| CAL (C) FPS-16 | 2 | 4 | 43 | 21 | 2 | 4 | 50 | 56 | 7 | 35 | 2 | 4 | 44 | 24 | 2 | 4 | 49 | 50 | 5 | 26 | 54.7 | 736. | 139. | 33.9 |
| GDS (S) USB-85' | 2 | 4 | 44 | 10 | 2 | 4 | 51 | 44 | 7 | 33 | 2 | 4 | 45 | 13 | 2 | 4 | 50 | 37 | 5 | 23 | 39.6 | 792. | 177. | 34.0 |
| GYM (S) USB-30' | 2 | 4 | 45 | 44 | 2 | 4 | 52 | 59 | 7 | 15 | 2 | 4 | 46 | 55 | 2 | 4 | 51 | 45 | 4 | 50 | 17.3 | 815. | 344. | 34.0 |
| WHS (C) FPS-16M | 2 | 4 | 46 | 22 | 2 | 4 | 54 | 8 | 7 | 46 | 2 | 4 | 47 | 24 | 2 | 4 | 53 | 0 | 5 | 36 | 72.2 | 950. | 125. | 34.0 |
| TEX (S) USB-30' | 2 | 4 | 48 | 37 | 2 | 4 | 56 | 21 | 7 | 43 | 2 | 4 | 49 | 43 | 2 | 4 | 55 | 6 | 5 | 22 | 24.1 | 938. | 282. | 34.0 |
| MIL (S) USB-30' | 2 | 4 | 51 | 59 | 2 | 5 | 0 | 21 | 8 | 22 | 2 | 4 | 53 | 2 | 2 | 4 | 59 | 8 | 6 | 6 | 63.9 | 993. | 152. | 34.1 |
| PAT (C) FPQ-6 | 2 | 4 | 52 | 2 | 2 | 5 | 0 | 25 | 8 | 22 | 2 | 4 | 53 | 5 | 2 | 4 | 59 | 12 | 6 | 7 | 70.4 | 982. | 146. | 34.1 |
| GBI (C) TPQ-18 | 2 | 4 | 52 | 37 | 2 | 5 | 1 | 6 | 8 | 28 | 2 | 4 | 53 | 39 | 2 | 4 | 59 | 56 | 6 | 16 | 49.9 | 836. | 182. | 34.1 |
| GBM (S) USB-30' | 2 | 4 | 52 | 38 | 2 | 5 | 1 | 6 | 8 | 28 | 2 | 4 | 53 | 40 | 2 | 4 | 59 | 56 | 6 | 16 | 50.3 | 837. | 181. | 34.1 |
| BCA (C) FPS-16M | 2 | 4 | 55 | 35 | 2 | 5 | 2 | 34 | 6 | 58 | 2 | 4 | 57 | 7 | 2 | 5 | 0 | 50 | 3 | 43 | 8.5 | 998. | 635. | 34.1 |
| BCQ (C) FPQ-6 | 2 | 4 | 55 | 35 | 2 | 5 | 2 | 34 | 6 | 58 | 2 | 4 | 57 | 7 | 2 | 5 | 0 | 50 | 3 | 43 | 8.5 | 998. | 635. | 34.1 |
| BCA (S) USB-30' | 2 | 4 | 55 | 35 | 2 | 5 | 2 | 34 | 6 | 58 | 2 | 4 | 57 | 7 | 2 | 5 | 0 | 50 | 3 | 43 | 8.5 | 998. | 636. | 34.1 |
| ANG (S) USB-30' | 2 | 4 | 57 | 8 | 2 | 5 | 6 | 11 | 9 | 3 | 2 | 4 | 58 | 11 | 2 | 5 | 4 | 57 | 6 | 46 | 47.4 | 1126. | 212. | 34.1 |
| ASC (C) TPQ-18 | 2 | 5 | 10 | 19 | 2 | 5 | 21 | 24 | 11 | 4 | 2 | 5 | 11 | 27 | 2 | 5 | 20 | 5 | 8 | 37 | 43.1 | 1285. | 324. | 34.2 |
| ACN (S) USB-30' | 2 | 5 | 10 | 21 | 2 | 5 | 21 | 24 | 11 | 3 | 2 | 5 | 11 | 28 | 2 | 5 | 20 | 5 | 8 | 37 | 42.5 | 1282. | 327. | 34.2 |
| PRE (C) MPS-25M | 2 | 5 | 22 | 6 | 2 | 5 | 33 | 58 | 11 | 51 | 2 | 5 | 23 | 20 | 2 | 5 | 32 | 43 | 9 | 22 | 39.9 | 1349. | 395. | 34.4 |
| TAN (C) FPS-16M | 2 | 5 | 27 | 54 | 2 | 5 | 37 | 16 | 9 | 21 | 2 | 5 | 29 | 47 | 2 | 5 | 35 | 25 | 5 | 37 | 9.3 | 1347. | 927. | 34.4 |
| CRO (C) FPQ-6 | 2 | 5 | 43 | 29 | 2 | 5 | 53 | 11 | 9 | 42 | 2 | 5 | 44 | 56 | 2 | 5 | 51 | 56 | 7 | 0 | 18.1 | 1177. | 554. | 34.6 |
| CRO (S) USB-30' | 2 | 5 | 43 | 29 | 2 | 5 | 53 | 11 | 9 | 41 | 2 | 5 | 44 | 56 | 2 | 5 | 51 | 56 | 6 | 59 | 18.0 | 1177. | 555. | 34.6 |
| GWM (S) USB-30' | 2 | 5 | 56 | 45 | 2 | 6 | 4 | 54 | 8 | 9 | 2 | 5 | 58 | 6 | 2 | 6 | 3 | 45 | 5 | 38 | 18.8 | 1014. | 396. | 34.7 |
| HAW (C) FPS-16M | 2 | 6 | 11 | 28 | 2 | 6 | 17 | 21 | 5 | 52 | 2 | 6 | 13 | 14 | 2 | 6 | 15 | 35 | 2 | 20 | 6.6 | 847. | 575. | 34.8 |
| HAW (S) USB-30' | 2 | 6 | 11 | 28 | 2 | 6 | 17 | 21 | 5 | 52 | 2 | 6 | 13 | 14 | 2 | 6 | 15 | 35 | 2 | 20 | 6.7 | 847. | 574. | 34.8 |
| CAL (C) FPS-16 | 2 | 6 | 19 | 38 | 2 | 6 | 27 | 20 | 7 | 41 | 2 | 6 | 20 | 43 | 2 | 6 | 26 | 12 | 5 | 29 | 35.2 | 895. | 207. | 34.9 |
| GDS (S) USB-85' | 2 | 6 | 20 | 25 | 2 | 6 | 27 | 57 | 7 | 31 | 2 | 6 | 21 | 32 | 2 | 6 | 26 | 49 | 5 | 16 | 24.4 | 903. | 281. | 34.9 |
| GYM (S) USB-30' | 2 | 6 | 22 | 1 | 2 | 6 | 29 | 54 | 7 | 52 | 2 | 6 | 23 | 5 | 2 | 6 | 28 | 49 | 5 | 43 | 51.8 | 918. | 164. | 35.0 |
| WHS (C) FPS-16M | 2 | 6 | 22 | 41 | 2 | 6 | 30 | 24 | 7 | 42 | 2 | 6 | 23 | 47 | 2 | 6 | 29 | 16 | 5 | 29 | 25.0 | 921. | 284. | 35.0 |
| TEX (S) USB-30' | 2 | 6 | 24 | 49 | 2 | 6 | 32 | 49 | 7 | 59 | 2 | 6 | 25 | 54 | 2 | 6 | 31 | 43 | 5 | 49 | 43.6 | 946. | 184. | 35.0 |
| MIL (S) USB-30' | 2 | 6 | 28 | 55 | 2 | 6 | 35 | 19 | 6 | 24 | 2 | 6 | 30 | 34 | 2 | 6 | 33 | 40 | 3 | 6 | 7.8 | 948. | 592. | 35.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| PAT (C) FPQ-6 | 2 6 28 56 | 2 6 35 25 | 6 28 | 2 6 30 32 | 2 6 33 49 | 3 17 | 8.1 | 951. | 582. | 35.0 |
| GBI (C) TPQ-18 | 2 6 29 33 | 2 6 36 9 | 6 35 | 2 6 31 6 | 2 6 34 37 | 3 30 | 8.8 | 912. | 561. | 35.0 |
| GBM (S) USB-30' | 2 6 29 34 | 2 6 36 9 | 6 35 | 2 6 31 7 | 2 6 34 37 | 3 29 | 8.7 | 911. | 562. | 35.0 |
| ANG (S) USB-30' | 2 6 34 24 | 2 6 40 49 | 6 25 | 2 6 36 1 | 2 6 39 12 | 3 10 | 7.8 | 853. | 589. | 35.1 |
| ASC (C) TPQ-18 | 2 6 50 9 | 2 6 53 24 | 3 15 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.4 | 909. | 869. | 35.2 |
| ACN (S) USB-30' | 2 6 50 13 | 2 6 53 23 | 3 9 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.3 | 910. | 871. | 35.2 |
| PRE (C) MPS-25M | 2 6 59 58 | 2 7 7 14 | 7 16 | 2 7 1 17 | 2 7 5 55 | 4 37 | 12.8 | 899. | 457. | 35.4 |
| TAN (C) FPS-16M | 2 7 6 2 | 2 7 10 49 | 4 47 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.1 | 851. | 784. | 35.4 |
| GWM (S) USB-30' | 2 7 30 58 | 2 7 38 39 | 7 40 | 2 7 32 9 | 2 7 37 27 | 5 18 | 20.0 | 811. | 336. | 35.7 |
| HAW (C) FPS-16M | 2 7 46 2 | 2 7 51 54 | 5 51 | 2 7 48 19 | 2 7 49 37 | 1 18 | 5.6 | 819. | 677. | 35.8 |
| HAW (S) USB-30' | 2 7 46 2 | 2 7 51 54 | 5 51 | 2 7 48 19 | 2 7 49 37 | 1 18 | 5.6 | 819. | 676. | 35.8 |
| CAL (C) FPS-16 | 2 7 53 40 | 2 8 0 31 | 6 51 | 2 7 55 7 | 2 7 59 5 | 3 58 | 10.1 | 902. | 524. | 35.9 |
| GDS (S) USB-95' | 2 7 54 42 | 2 8 0 46 | 6 4 | 2 7 56 34 | 2 7 58 58 | 2 23 | 6.5 | 911. | 638. | 35.9 |
| WHS (C) FPS-16M | 2 7 57 28 | 2 8 2 48 | 5 20 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.5 | 880. | 717. | 35.9 |
| GYM (S) USB-30' | 2 7 56 4 | 2 8 3 34 | 7 29 | 2 7 57 18 | 2 8 2 21 | 5 3 | 16.7 | 825. | 384. | 35.9 |
| TEX (S) USB-30' | 2 7 59 51 | 2 8 5 13 | 5 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.4 | 937. | 721. | 36.0 |
| PRE (C) MPS-25M | 2 8 34 14 | 2 8 41 56 | 7 41 | 2 8 35 25 | 2 8 40 45 | 5 19 | 20.0 | 803. | 337. | 36.4 |
| TAN (C) FPS-16M | 2 8 39 20 | 2 8 46 46 | 7 25 | 2 8 40 36 | 2 8 45 30 | 4 54 | 15.2 | 826. | 407. | 36.4 |
| GWM (S) USB-30' | 2 9 7 44 | 2 9 10 51 | 3 6 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.2 | 931. | 884. | 36.6 |
| HAW (C) FPS-16M | 2 9 20 10 | 2 9 27 10 | 6 59 | 2 9 21 35 | 2 9 25 44 | 4 9 | 10.5 | 915. | 513. | 36.8 |
| HAW (S) USB-30' | 2 9 20 10 | 2 9 27 10 | 6 59 | 2 9 21 35 | 2 9 25 44 | 4 9 | 10.5 | 915. | 513. | 36.8 |
| RED (S) USB-30' | 2 9 24 1 | 2 9 29 9 | 5 7 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.8 | 926. | 753. | 36.9 |
| PRE (C) MPS-25M | 2 10 8 14 | 2 10 16 18 | 8 3 | 2 10 9 19 | 2 10 15 12 | 5 52 | 46.7 | 874. | 174. | 37.3 |
| TAN (C) FPS-16M | 2 10 13 13 | 2 10 21 3 | 7 49 | 2 10 14 21 | 2 10 19 54 | 5 33 | 27.3 | 925. | 262. | 37.4 |
| HAW (C) FPS-16M | 2 10 53 56 | 2 11 2 0 | 8 3 | 2 10 55 2 | 2 11 0 54 | 5 52 | 71.6 | 948. | 135. | 37.8 |
| HAW (S) USB-30' | 2 10 53 56 | 2 11 2 0 | 8 3 | 2 10 55 2 | 2 11 0 54 | 5 52 | 71.7 | 948. | 135. | 37.8 |
| RED (S) USB-30' | 2 10 56 59 | 2 11 4 56 | 7 57 | 2 10 58 5 | 2 11 3 50 | 5 44 | 37.1 | 732. | 207. | 37.8 |
| PRE (C) MPS-25M | 2 11 43 22 | 2 11 48 44 | 5 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.6 | 861. | 708. | 37.3 |
| HAW (C) FPS-16M | 2 12 28 45 | 2 12 34 54 | 6 8 | 2 12 30 34 | 2 12 33 8 | 2 34 | 6.8 | 915. | 620. | 38.8 |
| HAW (S) USB-30' | 2 12 28 45 | 2 12 34 54 | 6 8 | 2 12 30 34 | 2 12 33 8 | 2 34 | 6.8 | 915. | 620. | 38.8 |
| RED (S) USB-30' | 2 12 31 40 | 2 12 38 5 | 6 25 | 2 12 33 19 | 2 12 36 28 | 3 9 | 8.0 | 920. | 582. | 38.8 |
| ASC (C) TPQ-18 | 2 13 11 13 | 2 13 15 4 | 3 50 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.0 | 936. | 838. | 39.2 |
| ACN (S) USB-30' | 2 13 11 14 | 2 13 15 5 | 3 50 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.0 | 933. | 837. | 39.2 |
| GWM (S) USB-30' | 2 13 52 24 | 2 13 57 9 | 4 45 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.2 | 924. | 779. | 39.7 |
| MER (S) USB-30' | 2 14 10 25 | 2 14 14 7 | 3 42 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.8 | 930. | 842. | 39.8 |
| ASC (C) TPQ-18 | 2 14 43 23 | 2 14 51 24 | 8 1 | 2 14 44 29 | 2 14 50 17 | 5 48 | 36.5 | 853. | 208. | 40.2 |
| ACN (S) USB-30' | 2 14 43 24 | 2 14 51 25 | 8 0 | 2 14 44 30 | 2 14 50 18 | 5 48 | 36.2 | 849. | 209. | 40.2 |
| GWM (S) USB-30' | 2 15 25 8 | 2 15 33 7 | 7 58 | 2 15 26 14 | 2 15 31 59 | 5 44 | 36.8 | 914. | 208. | 40.7 |
| HTV (S) USB-30' | 2 15 33 47 | 2 15 41 20 | 7 32 | 2 15 35 0 | 2 15 40 6 | 5 6 | 17.3 | 910. | 369. | 40.7 |
| MER (S) USB-30' | 2 15 42 2 | 2 15 50 1 | 7 58 | 2 15 43 8 | 2 15 48 54 | 5 46 | 41.7 | 941. | 189. | 40.8 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| ASC (C) TPQ-18 | 2 16 18 28 | 2 16 24 13 | 5 45 | 2 16 20 42 | 2 16 22 4 | 1 21 | 5.4 | 902. | 675. | 41.2 |
| ACN (S) USB-30' | 2 16 18 30 | 2 16 24 14 | 5 44 | 2 16 20 45 | 2 16 22 2 | 1 17 | 5.3 | 900. | 677. | 41.2 |
| GWM (S) USB-30' | 2 16 59 56 | 2 17 6 12 | 6 15 | 2 17 1 39 | 2 17 4 28 | 2 49 | 7.3 | 943. | 605. | 41.6 |
| HTV (S) USB-30' | 2 17 7 59 | 2 17 15 9 | 7 9 | 2 17 9 18 | 2 17 13 49 | 4 31 | 12.3 | 911. | 464. | 41.7 |
| MER (S) USB-30' | 2 17 16 27 | 2 17 23 54 | 7 27 | 2 17 17 42 | 2 17 22 39 | 4 56 | 15.3 | 849. | 408. | 41.8 |
| CYI (C) MPS26 | 2 17 56 37 | 2 18 3 34 | 6 57 | 2 17 58 1 | 2 18 2 10 | 4 9 | 10.9 | 882. | 501. | 42.2 |
| CYI (S) USB-30' | 2 17 56 37 | 2 18 3 34 | 6 57 | 2 17 58 1 | 2 18 2 10 | 4 9 | 10.9 | 882. | 502. | 42.2 |
| MAD (S) USB-85' | 2 18 2 44 | 2 13 5 0 | 2 16 | 0 0 0 0 | 0 0 0 0 | 0 0 | .7 | 949. | 913. | 42.3 |
| MER (S) USB-30' | 2 18 51 48 | 2 18 57 46 | 5 58 | 2 18 53 50 | 2 18 55 40 | 1 49 | 5.9 | 929. | 665. | 42.8 |
| ANG (S) USB-30' | 2 19 19 59 | 2 19 25 48 | 5 48 | 2 19 22 4 | 2 19 23 38 | 1 33 | 5.7 | 821. | 663. | 43.1 |
| VAN (S) USB-30' | 2 19 27 5 | 2 19 29 50 | 2 44 | 0 0 0 0 | 0 0 0 0 | 0 0 | .9 | 900. | 899. | 43.1 |
| CYI (C) MPS26 | 2 19 29 55 | 2 19 38 1 | 8 6 | 2 19 31 0 | 2 19 36 55 | 5 54 | 78.6 | 943. | 132. | 43.2 |
| CYI (S) USB-30' | 2 19 29 55 | 2 19 38 1 | 8 6 | 2 19 31 0 | 2 19 36 55 | 5 54 | 78.6 | 943. | 132. | 43.2 |
| MAD (S) USB-85' | 2 19 33 59 | 2 19 40 31 | 6 32 | 2 19 35 33 | 2 19 38 57 | 3 24 | 8.3 | 858. | 579. | 43.3 |
| CRO (C) FPQ-6 | 2 20 8 3 | 2 20 12 0 | 3 56 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.1 | 942. | 827. | 43.6 |
| CRO (S) USB-30' | 2 20 8 4 | 2 20 12 0 | 3 56 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.1 | 942. | 827. | 43.6 |
| HSK (S) USB-85' | 2 20 14 56 | 2 20 21 49 | 6 52 | 2 20 16 20 | 2 20 20 24 | 4 4 | 10.2 | 943. | 518. | 43.7 |
| MER (S) USB-30' | 2 20 26 24 | 2 20 32 42 | 6 17 | 2 20 28 12 | 2 20 30 57 | 2 45 | 6.9 | 863. | 628. | 43.8 |
| GBI (C) TPQ-18 | 2 20 53 57 | 2 20 55 20 | 1 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 946. | 933. | 44.0 |
| GBM (S) USB-30' | 2 20 53 56 | 2 20 55 22 | 1 25 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 945. | 931. | 44.0 |
| BDA (C) FPS-16M | 2 20 56 12 | 2 21 0 12 | 4 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 924. | 827. | 44.1 |
| BDQ (C) FPQ-6 | 2 20 56 12 | 2 21 0 12 | 4 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 924. | 827. | 44.1 |
| BCA (S) USB-30' | 2 20 56 12 | 2 21 0 12 | 3 59 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 924. | 828. | 44.1 |
| ANG (S) USB-30' | 2 20 52 44 | 2 21 0 49 | 8 4 | 2 20 53 50 | 2 20 59 43 | 5 53 | 55.9 | 900. | 154. | 44.1 |
| VAN (S) USB-30' | 2 20 58 15 | 2 21 5 50 | 7 35 | 2 20 59 27 | 2 21 4 38 | 5 11 | 18.1 | 805. | 363. | 44.2 |
| CYI (C) MPS26 | 2 21 4 19 | 2 21 12 6 | 7 47 | 2 21 5 29 | 2 21 10 54 | 5 25 | 21.1 | 928. | 327. | 44.2 |
| CYI (S) USB-30' | 2 21 4 19 | 2 21 12 6 | 7 47 | 2 21 5 29 | 2 21 10 54 | 5 25 | 21.1 | 928. | 327. | 44.2 |
| MAD (S) USB-85' | 2 21 7 15 | 2 21 14 24 | 7 8 | 2 21 8 36 | 2 21 13 3 | 4 27 | 12.2 | 870. | 473. | 44.3 |
| CRO (C) FPQ-6 | 2 21 39 47 | 2 21 47 45 | 7 57 | 2 21 40 55 | 2 21 46 38 | 5 43 | 35.1 | 910. | 216. | 44.6 |
| CRO (S) USB-30' | 2 21 39 47 | 2 21 47 45 | 7 57 | 2 21 40 55 | 2 21 46 39 | 5 43 | 35.1 | 911. | 216. | 44.6 |
| HSK (S) USB-85' | 2 21 48 10 | 2 21 56 5 | 7 55 | 2 21 49 17 | 2 21 54 56 | 5 39 | 30.1 | 929. | 245. | 44.7 |
| MER (S) USB-30' | 2 22 0 8 | 2 22 7 56 | 7 48 | 2 22 1 17 | 2 22 6 48 | 5 30 | 23.9 | 779. | 294. | 44.8 |
| TEX (S) USB-30' | 2 22 23 4 | 2 22 26 16 | 3 12 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.3 | 920. | 872. | 45.0 |
| MIL (S) USB-30' | 2 22 24 31 | 2 22 31 42 | 7 11 | 2 22 25 51 | 2 22 30 23 | 4 32 | 12.8 | 863. | 457. | 45.1 |
| PAT (C) FPQ-6 | 2 22 24 28 | 2 22 31 44 | 7 15 | 2 22 25 46 | 2 22 30 26 | 4 40 | 13.6 | 851. | 440. | 45.1 |
| GBI (C) TPQ-18 | 2 22 24 30 | 2 22 32 16 | 7 45 | 2 22 25 40 | 2 22 31 5 | 5 24 | 21.4 | 893. | 319. | 45.1 |
| GBM (S) USB-30' | 2 22 24 30 | 2 22 32 16 | 7 46 | 2 22 25 40 | 2 22 31 5 | 5 25 | 21.5 | 891. | 319. | 45.1 |
| ANG (S) USB-30' | 2 22 28 2 | 2 22 34 7 | 6 4 | 2 22 29 55 | 2 22 32 11 | 2 16 | 6.3 | 928. | 646. | 45.1 |
| BCA (C) FPS-16M | 2 22 27 53 | 2 22 35 40 | 7 42 | 2 22 29 8 | 2 22 34 30 | 5 21 | 20.8 | 808. | 328. | 45.1 |
| BDQ (C) FPQ-6 | 2 22 27 58 | 2 22 35 40 | 7 42 | 2 22 29 8 | 2 22 34 30 | 5 21 | 20.8 | 808. | 328. | 45.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BDA (S) USB-30' | 2 | 22 | 27 | 58 | 2 | 22 | 35 | 40 | 7 | 42 | 2 | 22 | 29 | 8 | 2 | 22 | 34 | 30 | 5 | 21 | 20.8 | 808. | 328. | 45.1 |
| VAN (S) USB-30' | 2 | 22 | 31 | 54 | 2 | 22 | 40 | 2 | 8 | 8 | 2 | 22 | 33 | 0 | 2 | 22 | 38 | 56 | 5 | 55 | 85.7 | 944. | 131. | 45.2 |
| CYI (C) MPS26 | 2 | 22 | 38 | 41 | 2 | 22 | 46 | 33 | 7 | 51 | 2 | 22 | 39 | 53 | 2 | 22 | 45 | 23 | 5 | 29 | 22.3 | 902. | 312. | 45.2 |
| CYI (S) USB-30' | 2 | 22 | 38 | 41 | 2 | 22 | 46 | 33 | 7 | 51 | 2 | 22 | 39 | 53 | 2 | 22 | 45 | 23 | 5 | 29 | 22.3 | 902. | 312. | 45.2 |
| MAD (S) USB-85' | 2 | 22 | 41 | 15 | 2 | 22 | 47 | 32 | 6 | 17 | 2 | 22 | 42 | 57 | 2 | 22 | 45 | 50 | 2 | 52 | 7.1 | 854. | 621. | 45.2 |
| CRO (C) FPQ-6 | 2 | 23 | 14 | 1 | 2 | 23 | 21 | 45 | 7 | 44 | 2 | 23 | 15 | 11 | 2 | 23 | 20 | 35 | 5 | 24 | 21.2 | 787. | 323. | 45.6 |
| CRO (S) USB-30' | 2 | 23 | 14 | 1 | 2 | 23 | 21 | 46 | 7 | 44 | 2 | 23 | 15 | 11 | 2 | 23 | 20 | 35 | 5 | 24 | 21.2 | 787. | 323. | 45.6 |
| HSK (S) USB-85' | 2 | 23 | 22 | 3 | 2 | 23 | 30 | 0 | 7 | 57 | 2 | 23 | 23 | 10 | 2 | 23 | 28 | 53 | 5 | 43 | 34.6 | 943. | 220. | 45.7 |
| MER (S) USB-30' | 2 | 23 | 34 | 15 | 2 | 23 | 41 | 52 | 7 | 36 | 2 | 23 | 35 | 27 | 2 | 23 | 40 | 41 | 5 | 14 | 19.5 | 806. | 341. | 45.8 |
| GYM (S) USB-30' | 2 | 23 | 52 | 33 | 2 | 23 | 58 | 47 | 6 | 13 | 2 | 23 | 54 | 19 | 2 | 23 | 57 | 3 | 2 | 44 | 7.0 | 879. | 619. | 46.0 |
| WHS (C) FPS-16M | 2 | 23 | 54 | 30 | 2 | 23 | 59 | 43 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 881. | 728. | 46.0 |
| TEX (S) USB-30' | 2 | 23 | 54 | 25 | 3 | 0 | 2 | 17 | 7 | 51 | 2 | 23 | 55 | 34 | 3 | 0 | 1 | 7 | 5 | 32 | 24.4 | 890. | 289. | 46.0 |
| MIL (S) USB-30' | 2 | 23 | 57 | 57 | 3 | 0 | 6 | 4 | 8 | 6 | 2 | 23 | 59 | 2 | 3 | 0 | 4 | 57 | 5 | 54 | 73.0 | 952. | 136. | 46.1 |
| PAT (C) FPQ-6 | 2 | 23 | 57 | 58 | 3 | 0 | 6 | 4 | 8 | 6 | 2 | 23 | 59 | 3 | 3 | 0 | 4 | 57 | 5 | 54 | 66.0 | 935. | 142. | 46.1 |
| GBI (C) TPQ-18 | 2 | 23 | 58 | 24 | 3 | 0 | 6 | 26 | 8 | 1 | 2 | 23 | 59 | 31 | 3 | 0 | 5 | 18 | 5 | 46 | 29.8 | 859. | 248. | 46.1 |
| GBM (S) USB-30' | 2 | 23 | 58 | 24 | 3 | 0 | 6 | 26 | 8 | 1 | 2 | 23 | 59 | 31 | 3 | 0 | 5 | 18 | 5 | 46 | 29.7 | 858. | 250. | 46.1 |
| ANG (S) USB-30' | 3 | 0 | 5 | 41 | 3 | 0 | 6 | 13 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 948. | 948. | 46.1 |
| BDA (C) FPS-16M | 3 | 0 | 1 | 40 | 3 | 0 | 9 | 50 | 8 | 9 | 3 | 0 | 2 | 46 | 3 | 0 | 8 | 45 | 5 | 58 | 68.8 | 894. | 140. | 46.1 |
| BDQ (C) FPQ-6 | 3 | 0 | 1 | 40 | 3 | 0 | 9 | 50 | 8 | 9 | 3 | 0 | 2 | 46 | 3 | 0 | 8 | 45 | 5 | 58 | 68.8 | 894. | 140. | 46.1 |
| BDA (S) USB-30' | 3 | 0 | 1 | 40 | 3 | 0 | 9 | 50 | 8 | 9 | 3 | 0 | 2 | 46 | 3 | 0 | 8 | 45 | 5 | 58 | 68.7 | 894. | 140. | 46.1 |
| VAN (S) USB-30' | 3 | 0 | 6 | 1 | 3 | 0 | 14 | 10 | 8 | 8 | 3 | 0 | 7 | 7 | 3 | 0 | 13 | 4 | 5 | 57 | 64.6 | 912. | 144. | 46.2 |
| CYI (C) MPS26 | 3 | 0 | 12 | 45 | 3 | 0 | 20 | 52 | 8 | 7 | 3 | 0 | 13 | 52 | 3 | 0 | 19 | 47 | 5 | 55 | 69.5 | 912. | 138. | 46.2 |
| CYI (S) USB-30' | 3 | 0 | 12 | 45 | 3 | 0 | 20 | 52 | 8 | 7 | 3 | 0 | 13 | 52 | 3 | 0 | 19 | 47 | 5 | 55 | 69.5 | 912. | 138. | 46.2 |
| TAN (C) FPS-16M | 3 | 0 | 33 | 18 | 3 | 0 | 40 | 19 | 7 | 1 | 3 | 0 | 34 | 39 | 3 | 0 | 38 | 56 | 4 | 17 | 11.6 | 880. | 478. | 46.4 |
| CRO (C) FPQ-6 | 3 | 0 | 48 | 52 | 3 | 0 | 55 | 52 | 6 | 59 | 3 | 0 | 50 | 17 | 3 | 0 | 54 | 27 | 4 | 10 | 10.4 | 939. | 518. | 46.6 |
| CRO (S) USB-30' | 3 | 0 | 48 | 52 | 3 | 0 | 55 | 52 | 6 | 59 | 3 | 0 | 50 | 17 | 3 | 0 | 54 | 28 | 4 | 10 | 10.4 | 939. | 517. | 46.6 |
| HSK (S) USB-85' | 3 | 0 | 56 | 12 | 3 | 1 | 3 | 28 | 7 | 16 | 3 | 0 | 57 | 29 | 3 | 1 | 2 | 11 | 4 | 42 | 13.8 | 848. | 435. | 46.7 |
| HTV (S) USB-30' | 3 | 1 | 4 | 46 | 3 | 1 | 10 | 18 | 5 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 919. | 707. | 46.7 |
| RED (S) USB-30' | 3 | 1 | 16 | 0 | 3 | 1 | 23 | 3 | 7 | 3 | 3 | 1 | 17 | 20 | 3 | 1 | 21 | 43 | 4 | 23 | 11.6 | 931. | 481. | 46.9 |
| CAL (C) FPS-16 | 3 | 1 | 25 | 8 | 3 | 1 | 31 | 9 | 6 | 0 | 3 | 1 | 27 | 1 | 3 | 1 | 29 | 13 | 2 | 12 | 6.3 | 924. | 646. | 46.9 |
| GDS (S) USB-85' | 3 | 1 | 25 | 49 | 3 | 1 | 32 | 5 | 6 | 16 | 3 | 1 | 27 | 32 | 3 | 1 | 30 | 21 | 2 | 49 | 7.3 | 934. | 610. | 47.0 |
| GYM (S) USB-30' | 3 | 1 | 25 | 24 | 3 | 1 | 33 | 33 | 8 | 8 | 3 | 1 | 26 | 29 | 3 | 1 | 32 | 27 | 5 | 57 | 43.8 | 830. | 184. | 47.0 |
| WHS (C) FPS-16M | 3 | 1 | 26 | 52 | 3 | 1 | 34 | 43 | 7 | 51 | 3 | 1 | 28 | 0 | 3 | 1 | 33 | 35 | 5 | 34 | 26.7 | 930. | 270. | 47.0 |
| TEX (S) USB-30' | 3 | 1 | 28 | 22 | 3 | 1 | 36 | 25 | 8 | 2 | 3 | 1 | 29 | 29 | 3 | 1 | 35 | 17 | 5 | 48 | 31.1 | 861. | 241. | 47.0 |
| MIL (S) USB-30' | 3 | 1 | 32 | 19 | 3 | 1 | 40 | 11 | 7 | 52 | 3 | 1 | 33 | 28 | 3 | 1 | 39 | 0 | 5 | 31 | 23.3 | 911. | 302. | 47.1 |
| PAT (C) FPQ-6 | 3 | 1 | 32 | 21 | 3 | 1 | 40 | 11 | 7 | 50 | 3 | 1 | 33 | 31 | 3 | 1 | 38 | 59 | 5 | 27 | 21.8 | 912. | 319. | 47.1 |
| GBI (C) TPQ-18 | 3 | 1 | 33 | 3 | 3 | 1 | 40 | 33 | 7 | 30 | 3 | 1 | 34 | 18 | 3 | 1 | 39 | 17 | 4 | 59 | 15.4 | 840. | 409. | 47.1 |
| GBM (S) USB-30' | 3 | 1 | 33 | 3 | 3 | 1 | 40 | 33 | 7 | 30 | 3 | 1 | 34 | 18 | 3 | 1 | 39 | 17 | 4 | 59 | 15.4 | 839. | 409. | 47.1 |
| ANG (S) USB-30' | 3 | 1 | 40 | 14 | 3 | 1 | 41 | 58 | 1 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 954. | 932. | 47.1 |
| BDA (C) FPS-16M | 3 | 1 | 35 | 47 | 3 | 1 | 43 | 56 | 8 | 8 | 3 | 1 | 36 | 54 | 3 | 1 | 42 | 51 | 5 | 56 | 77.9 | 921. | 133. | 47.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BDO (C) FPQ-6 | 3 | 1 | 35 | 47 | 3 | 1 | 43 | 56 | 8 | 8 | 3 | 1 | 36 | 54 | 3 | 1 | 42 | 51 | 5 | 56 | 77.9 | 921. | 133. | 47.1 |
| BDA (S) USB-30' | 3 | 1 | 35 | 47 | 3 | 1 | 43 | 56 | 8 | 8 | 3 | 1 | 36 | 54 | 3 | 1 | 42 | 51 | 5 | 56 | 77.8 | 921. | 133. | 47.1 |
| VAN (S) USB-30' | 3 | 1 | 40 | 7 | 3 | 1 | 48 | 8 | 8 | 0 | 3 | 1 | 41 | 14 | 3 | 1 | 47 | 0 | 5 | 45 | 35.7 | 917. | 216. | 47.1 |
| CYI (C) MPS26 | 3 | 1 | 47 | 25 | 3 | 1 | 53 | 50 | 6 | 24 | 3 | 1 | 49 | 3 | 3 | 1 | 52 | 13 | 3 | 9 | 7.7 | 860. | 592. | 47.2 |
| CYI (S) USB-30' | 3 | 1 | 47 | 25 | 3 | 1 | 53 | 50 | 6 | 24 | 3 | 1 | 49 | 3 | 3 | 1 | 52 | 13 | 3 | 9 | 7.7 | 860. | 593. | 47.2 |
| PRE (C) MPS-25M | 3 | 2 | 4 | 58 | 3 | 2 | 10 | 23 | 5 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 884. | 707. | 47.4 |
| TAN (C) FPS-16M | 3 | 2 | 6 | 49 | 3 | 2 | 14 | 42 | 7 | 53 | 3 | 2 | 7 | 58 | 3 | 2 | 13 | 35 | 5 | 37 | 29.6 | 915. | 246. | 47.4 |
| CRO (C) FPQ-6 | 3 | 2 | 23 | 11 | 3 | 2 | 30 | 40 | 7 | 28 | 3 | 2 | 24 | 27 | 3 | 2 | 29 | 25 | 4 | 57 | 15.5 | 812. | 406. | 47.6 |
| CRO (S) USB-30' | 3 | 2 | 23 | 11 | 3 | 2 | 30 | 40 | 7 | 28 | 3 | 2 | 24 | 27 | 3 | 2 | 29 | 25 | 4 | 58 | 15.5 | 811. | 406. | 47.6 |
| HSK (S) USB-85' | 3 | 2 | 31 | 57 | 3 | 2 | 34 | 42 | 2 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 947. | 894. | 47.6 |
| HTV (S) USB-30' | 3 | 2 | 37 | 38 | 3 | 2 | 45 | 42 | 8 | 3 | 3 | 2 | 38 | 44 | 3 | 2 | 44 | 37 | 5 | 53 | 55.8 | 877. | 153. | 47.7 |
| HAW (C) FPS-16M | 3 | 2 | 48 | 42 | 3 | 2 | 56 | 0 | 7 | 18 | 3 | 2 | 49 | 59 | 3 | 2 | 54 | 45 | 4 | 45 | 14.2 | 941. | 425. | 47.8 |
| HAW (S) USB-30' | 3 | 2 | 48 | 42 | 3 | 2 | 56 | 0 | 7 | 18 | 3 | 2 | 49 | 59 | 3 | 2 | 54 | 45 | 4 | 45 | 14.1 | 941. | 425. | 47.8 |
| RED (S) USB-30' | 3 | 2 | 49 | 35 | 3 | 2 | 57 | 24 | 7 | 48 | 3 | 2 | 50 | 45 | 3 | 2 | 56 | 14 | 5 | 28 | 22.0 | 871. | 312. | 47.8 |
| CAL (C) FPS-16 | 3 | 2 | 57 | 54 | 3 | 3 | 5 | 46 | 7 | 51 | 3 | 2 | 59 | 3 | 3 | 3 | 4 | 37 | 5 | 34 | 26.3 | 941. | 274. | 47.9 |
| GDS (S) USB-85' | 3 | 2 | 58 | 42 | 3 | 3 | 6 | 34 | 7 | 51 | 3 | 2 | 59 | 52 | 3 | 3 | 5 | 26 | 5 | 33 | 24.9 | 901. | 286. | 48.0 |
| GYM (S) USB-30' | 3 | 2 | 59 | 42 | 3 | 3 | 7 | 36 | 7 | 53 | 3 | 3 | 0 | 53 | 3 | 3 | 6 | 27 | 5 | 33 | 23.9 | 904. | 296. | 48.0 |
| WHS (C) FPS-16M | 3 | 3 | 0 | 42 | 3 | 3 | 8 | 50 | 8 | 8 | 3 | 3 | 1 | 48 | 3 | 3 | 7 | 45 | 5 | 57 | 69.1 | 898. | 139. | 48.0 |
| TEX (S) USB-30' | 3 | 3 | 2 | 55 | 3 | 3 | 10 | 36 | 7 | 41 | 3 | 3 | 4 | 7 | 3 | 3 | 9 | 24 | 5 | 17 | 18.8 | 948. | 356. | 48.0 |
| MIL (S) USB-30' | 3 | 3 | 6 | 35 | 3 | 3 | 14 | 36 | 8 | 0 | 3 | 3 | 7 | 44 | 3 | 3 | 13 | 28 | 5 | 44 | 29.2 | 880. | 253. | 48.1 |
| PAT (C) FPQ-6 | 3 | 3 | 6 | 38 | 3 | 3 | 14 | 37 | 7 | 58 | 3 | 3 | 7 | 48 | 3 | 3 | 13 | 29 | 5 | 41 | 27.8 | 891. | 263. | 48.1 |
| GBI (C) TPQ-18 | 3 | 3 | 7 | 20 | 3 | 3 | 15 | 8 | 7 | 48 | 3 | 3 | 8 | 30 | 3 | 3 | 13 | 56 | 5 | 25 | 21.4 | 919. | 323. | 48.1 |
| GBM (S) USB-30' | 3 | 3 | 7 | 20 | 3 | 3 | 15 | 9 | 7 | 48 | 3 | 3 | 8 | 31 | 3 | 3 | 13 | 57 | 5 | 25 | 21.4 | 917. | 323. | 48.1 |
| BDA (C) FPS-16M | 3 | 3 | 9 | 55 | 3 | 3 | 17 | 47 | 7 | 51 | 3 | 3 | 11 | 4 | 3 | 3 | 16 | 39 | 5 | 35 | 26.7 | 950. | 271. | 48.1 |
| BDQ (C) FPQ-6 | 3 | 3 | 9 | 55 | 3 | 3 | 17 | 47 | 7 | 51 | 3 | 3 | 11 | 4 | 3 | 3 | 16 | 39 | 5 | 35 | 26.7 | 950. | 271. | 48.1 |
| BDA (S) USB-30' | 3 | 3 | 9 | 55 | 3 | 3 | 17 | 47 | 7 | 51 | 3 | 3 | 11 | 4 | 3 | 3 | 16 | 39 | 5 | 35 | 26.7 | 950. | 271. | 48.1 |
| ANG (S) USB-30' | 3 | 3 | 12 | 39 | 3 | 3 | 19 | 3 | 6 | 24 | 3 | 3 | 14 | 22 | 3 | 3 | 17 | 22 | 3 | 0 | 7.6 | 934. | 602. | 48.1 |
| VAN (S) USB-30' | 3 | 3 | 14 | 50 | 3 | 3 | 20 | 53 | 6 | 2 | 3 | 3 | 16 | 43 | 3 | 3 | 19 | 3 | 2 | 19 | 6.5 | 934. | 640. | 48.1 |
| ASC (C) TPQ-18 | 3 | 3 | 26 | 24 | 3 | 3 | 33 | 28 | 7 | 3 | 3 | 3 | 27 | 46 | 3 | 3 | 32 | 7 | 4 | 20 | 11.9 | 848. | 472. | 48.2 |
| ACN (S) USB-30' | 3 | 3 | 26 | 25 | 3 | 3 | 33 | 29 | 7 | 4 | 3 | 3 | 27 | 46 | 3 | 3 | 32 | 8 | 4 | 22 | 12.0 | 844. | 469. | 48.2 |
| PRE (C) MPS-25M | 3 | 3 | 37 | 25 | 3 | 3 | 45 | 29 | 8 | 3 | 3 | 3 | 38 | 30 | 3 | 3 | 44 | 23 | 5 | 53 | 41.1 | 838. | 190. | 48.4 |
| TAN (C) FPS-16M | 3 | 3 | 42 | 19 | 3 | 3 | 48 | 3 | 5 | 44 | 3 | 3 | 44 | 44 | 3 | 3 | 45 | 31 | 0 | 47 | 5.3 | 936. | 684. | 48.4 |
| CRO (C) FPQ-6 | 3 | 3 | 57 | 7 | 3 | 4 | 5 | 14 | 8 | 6 | 3 | 3 | 58 | 12 | 3 | 4 | 4 | 8 | 5 | 55 | 67.5 | 892. | 139. | 48.6 |
| CRO (S) USB-30' | 3 | 3 | 57 | 7 | 3 | 4 | 5 | 14 | 8 | 6 | 3 | 3 | 58 | 12 | 3 | 4 | 4 | 8 | 5 | 55 | 67.4 | 892. | 139. | 48.6 |
| HTV (S) USB-30' | 3 | 4 | 13 | 52 | 3 | 4 | 17 | 22 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 935. | 854. | 48.7 |
| HAW (C) FPS-16M | 3 | 4 | 22 | 21 | 3 | 4 | 30 | 18 | 7 | 56 | 3 | 4 | 23 | 29 | 3 | 4 | 29 | 9 | 5 | 40 | 28.6 | 882. | 254. | 48.8 |
| HAW (S) USB-30' | 3 | 4 | 22 | 21 | 3 | 4 | 30 | 18 | 7 | 56 | 3 | 4 | 23 | 29 | 3 | 4 | 29 | 9 | 5 | 40 | 28.6 | 882. | 254. | 48.8 |
| RED (S) USB-30' | 3 | 4 | 25 | 48 | 3 | 4 | 30 | 6 | 4 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 936. | 814. | 48.8 |
| CAL (C) FPS-16 | 3 | 4 | 31 | 42 | 3 | 4 | 39 | 48 | 8 | 6 | 3 | 4 | 32 | 49 | 3 | 4 | 38 | 43 | 5 | 54 | 49.9 | 901. | 168. | 48.9 |
| GDS (S) USB-85' | 3 | 4 | 32 | 30 | 3 | 4 | 40 | 34 | 8 | 3 | 3 | 4 | 33 | 37 | 3 | 4 | 39 | 28 | 5 | 51 | 35.4 | 859. | 217. | 49.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GYM (S) USB-30' | 3 | 4 | 34 | 7 | 3 | 4 | 41 | 55 | 7 | 48 | 3 | 4 | 35 | 17 | 3 | 4 | 40 | 46 | 5 | 28 | 22.2 | 781. | 314. | 49.0 |
| WHS (C) FPS-16M | 3 | 4 | 34 | 49 | 3 | 4 | 42 | 56 | 8 | 7 | 3 | 4 | 35 | 55 | 3 | 4 | 41 | 51 | 5 | 55 | 80.9 | 924. | 131. | 49.0 |
| TEX (S) USB-30' | 3 | 4 | 37 | 6 | 3 | 4 | 45 | 6 | 8 | 0 | 3 | 4 | 38 | 13 | 3 | 4 | 43 | 57 | 5 | 44 | 33.2 | 923. | 229. | 49.0 |
| MIL (S) USB-30' | 3 | 4 | 40 | 41 | 3 | 4 | 48 | 43 | 8 | 2 | 3 | 4 | 41 | 48 | 3 | 4 | 47 | 37 | 5 | 49 | 38.8 | 898. | 201. | 49.0 |
| PAT (C) FPQ-6 | 3 | 4 | 40 | 43 | 3 | 4 | 48 | 46 | 8 | 2 | 3 | 4 | 41 | 51 | 3 | 4 | 47 | 41 | 5 | 50 | 42.3 | 907. | 189. | 49.0 |
| GBI (C) TPQ-18 | 3 | 4 | 41 | 21 | 3 | 4 | 49 | 27 | 8 | 6 | 3 | 4 | 42 | 27 | 3 | 4 | 48 | 22 | 5 | 55 | 41.7 | 842. | 190. | 49.1 |
| GBM (S) USB-30' | 3 | 4 | 41 | 21 | 3 | 4 | 49 | 28 | 8 | 6 | 3 | 4 | 42 | 27 | 3 | 4 | 48 | 22 | 5 | 55 | 41.4 | 841. | 191. | 49.1 |
| BDA (C) FPS-16M | 3 | 4 | 44 | 55 | 3 | 4 | 50 | 6 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 947. | 741. | 49.1 |
| BDQ (C) FPQ-6 | 3 | 4 | 44 | 55 | 3 | 4 | 50 | 6 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 947. | 741. | 49.1 |
| BDA (S) USB-30' | 3 | 4 | 44 | 55 | 3 | 4 | 50 | 6 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 947. | 741. | 49.1 |
| ANG (S) USB-30' | 3 | 4 | 46 | 4 | 3 | 4 | 54 | 9 | 8 | 4 | 3 | 4 | 47 | 9 | 3 | 4 | 53 | 2 | 5 | 53 | 73.5 | 907. | 134. | 49.1 |
| ASC (C) TPQ-18 | 3 | 5 | 0 | 7 | 3 | 5 | 7 | 43 | 7 | 36 | 3 | 5 | 1 | 18 | 3 | 5 | 6 | 32 | 5 | 13 | 19.2 | 789. | 344. | 49.2 |
| ACN (S) USB-30' | 3 | 5 | 0 | 8 | 3 | 5 | 7 | 44 | 7 | 35 | 3 | 5 | 1 | 20 | 3 | 5 | 6 | 32 | 5 | 12 | 18.9 | 788. | 347. | 49.2 |
| PRE (C) MPS-25M | 3 | 5 | 11 | 47 | 3 | 5 | 19 | 28 | 7 | 41 | 3 | 5 | 12 | 59 | 3 | 5 | 18 | 16 | 5 | 16 | 19.2 | 914. | 346. | 49.4 |
| TAN (C) FPS-16M | 3 | 5 | 18 | 22 | 3 | 5 | 21 | 48 | 3 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 899. | 863. | 49.4 |
| CRO (C) FPQ-6 | 3 | 5 | 31 | 55 | 3 | 5 | 38 | 4 | 6 | 8 | 3 | 5 | 33 | 42 | 3 | 5 | 36 | 17 | 2 | 34 | 6.9 | 945. | 621. | 49.6 |
| CRO (S) USB-30' | 3 | 5 | 31 | 56 | 3 | 5 | 38 | 4 | 6 | 8 | 3 | 5 | 33 | 43 | 3 | 5 | 36 | 17 | 2 | 33 | 6.9 | 945. | 622. | 49.6 |
| GWM (S) USB-30' | 3 | 5 | 43 | 18 | 3 | 5 | 51 | 2 | 7 | 44 | 3 | 5 | 44 | 27 | 3 | 5 | 49 | 52 | 5 | 25 | 23.3 | 933. | 297. | 49.7 |
| HAW (C) FPS-16M | 3 | 5 | 57 | 31 | 3 | 6 | 4 | 1 | 6 | 30 | 3 | 5 | 59 | 10 | 3 | 6 | 2 | 22 | 3 | 11 | 7.9 | 945. | 592. | 49.8 |
| HAW (S) USB-30' | 3 | 5 | 57 | 31 | 3 | 6 | 4 | 1 | 6 | 30 | 3 | 5 | 59 | 10 | 3 | 6 | 2 | 22 | 3 | 12 | 7.9 | 945. | 592. | 49.8 |
| CAL (C) FPS-16 | 3 | 6 | 5 | 44 | 3 | 6 | 13 | 39 | 7 | 54 | 3 | 6 | 6 | 54 | 3 | 6 | 12 | 31 | 5 | 37 | 27.5 | 911. | 265. | 49.9 |
| GDS (S) USB-85' | 3 | 6 | 6 | 34 | 3 | 6 | 14 | 14 | 7 | 40 | 3 | 6 | 7 | 46 | 3 | 6 | 13 | 2 | 5 | 15 | 18.7 | 895. | 355. | 49.9 |
| GYM (S) USB-30' | 3 | 6 | 8 | 12 | 3 | 6 | 16 | 21 | 8 | 9 | 3 | 6 | 9 | 17 | 3 | 6 | 15 | 15 | 5 | 58 | 58.0 | 869. | 152. | 50.0 |
| WHS (C) FPS-16M | 3 | 6 | 8 | 59 | 3 | 6 | 16 | 39 | 7 | 39 | 3 | 6 | 10 | 10 | 3 | 6 | 15 | 28 | 5 | 18 | 20.3 | 805. | 333. | 50.0 |
| TEX (S) USB-30' | 3 | 6 | 11 | 13 | 3 | 6 | 19 | 5 | 7 | 52 | 3 | 6 | 12 | 21 | 3 | 6 | 17 | 56 | 5 | 35 | 27.1 | 923. | 267. | 50.0 |
| MIL (S) USB-30' | 3 | 6 | 15 | 45 | 3 | 6 | 21 | 6 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 924. | 726. | 50.0 |
| PAT (C) FPQ-6 | 3 | 6 | 15 | 46 | 3 | 6 | 21 | 13 | 5 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 921. | 713. | 50.0 |
| GBI (C) TPQ-18 | 3 | 6 | 16 | 23 | 3 | 6 | 21 | 58 | 5 | 34 | 3 | 6 | 18 | 56 | 3 | 6 | 19 | 2 | 0 | 6 | 5.0 | 944. | 693. | 50.0 |
| GBM (S) USB-30' | 3 | 6 | 16 | 24 | 3 | 6 | 21 | 58 | 5 | 34 | 3 | 6 | 18 | 56 | 3 | 6 | 19 | 0 | 0 | 3 | 5.0 | 943. | 694. | 50.0 |
| ANG (S) USB-30' | 3 | 6 | 21 | 25 | 3 | 6 | 26 | 30 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 873. | 737. | 50.1 |
| PRE (C) MPS-25M | 3 | 6 | 46 | 27 | 3 | 6 | 53 | 44 | 7 | 16 | 3 | 6 | 47 | 47 | 3 | 6 | 52 | 25 | 4 | 38 | 13.1 | 855. | 451. | 50.4 |
| TAN (C) FPS-16M | 3 | 6 | 52 | 18 | 3 | 6 | 57 | 40 | 5 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 860. | 722. | 50.4 |
| GWM (S) USB-30' | 3 | 7 | 17 | 38 | 3 | 7 | 24 | 50 | 7 | 11 | 3 | 7 | 18 | 58 | 3 | 7 | 23 | 30 | 4 | 31 | 12.5 | 885. | 461. | 50.7 |
| HAW (C) FPS-16M | 3 | 7 | 32 | 32 | 3 | 7 | 38 | 28 | 5 | 55 | 3 | 7 | 34 | 40 | 3 | 7 | 36 | 20 | 1 | 39 | 5.6 | 888. | 675. | 50.8 |
| HAW (S) USB-30' | 3 | 7 | 32 | 32 | 3 | 7 | 38 | 28 | 5 | 55 | 3 | 7 | 34 | 40 | 3 | 7 | 36 | 20 | 1 | 39 | 5.6 | 888. | 675. | 50.8 |
| CAL (C) FPS-16 | 3 | 7 | 40 | 16 | 3 | 7 | 46 | 30 | 6 | 14 | 3 | 7 | 41 | 59 | 3 | 7 | 44 | 46 | 2 | 46 | 6.9 | 856. | 623. | 50.9 |
| GDS (S) USB-85' | 3 | 7 | 41 | 26 | 3 | 7 | 46 | 35 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 879. | 735. | 50.9 |
| WHS (C) FPS-16M | 3 | 7 | 44 | 31 | 3 | 7 | 48 | 19 | 3 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 906. | 841. | 50.9 |
| GYM (S) USB-30' | 3 | 7 | 42 | 39 | 3 | 7 | 49 | 38 | 6 | 58 | 3 | 7 | 44 | 3 | 3 | 7 | 48 | 15 | 4 | 11 | 11.0 | 896. | 497. | 50.9 |
| TEX (S) USB-30' | 3 | 7 | 47 | 2 | 3 | 7 | 50 | 36 | 3 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 887. | 850. | 51.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRE (C) MPS-25M | 3 | 8 | 20 | 36 | 3 | 8 | 28 | 28 | 7 | 51 | 3 | 8 | 21 | 47 | 3 | 8 | 27 | 19 | 5 | 31 | 23.5 | 880. | 297. | 51.4 |
| TAN (C) FPS-16M | 3 | 8 | 25 | 36 | 3 | 8 | 33 | 22 | 7 | 45 | 3 | 8 | 26 | 47 | 3 | 8 | 32 | 11 | 5 | 23 | 20.8 | 877. | 324. | 51.4 |
| HAW (C) FPS-16M | 3 | 9 | 6 | 28 | 3 | 9 | 13 | 47 | 7 | 18 | 3 | 9 | 7 | 47 | 3 | 9 | 12 | 30 | 4 | 42 | 13.5 | 860. | 442. | 51.8 |
| HAW (S) USB-30' | 3 | 9 | 6 | 28 | 3 | 9 | 13 | 47 | 7 | 18 | 3 | 9 | 7 | 47 | 3 | 9 | 12 | 30 | 4 | 42 | 13.5 | 860. | 442. | 51.8 |
| RED (S) USB-30' | 3 | 9 | 10 | 4 | 3 | 9 | 16 | 5 | 6 | 1 | 3 | 9 | 12 | 1 | 3 | 9 | 14 | 7 | 2 | 6 | 6.1 | 929. | 652. | 51.9 |
| PRE (C) MPS-25M | 3 | 9 | 54 | 40 | 3 | 10 | 2 | 34 | 7 | 53 | 3 | 9 | 55 | 49 | 3 | 10 | 1 | 27 | 5 | 38 | 29.3 | 890. | 248. | 52.3 |
| TAN (C) FPS-16M | 3 | 9 | 59 | 47 | 3 | 10 | 7 | 11 | 7 | 24 | 3 | 10 | 1 | 2 | 3 | 10 | 5 | 56 | 4 | 54 | 15.2 | 912. | 403. | 52.4 |
| HAW (C) FPS-16M | 3 | 10 | 40 | 17 | 3 | 10 | 48 | 22 | 8 | 4 | 3 | 10 | 41 | 23 | 3 | 10 | 47 | 16 | 5 | 53 | 46.5 | 859. | 174. | 52.8 |
| HAW (S) USB-30' | 3 | 10 | 40 | 17 | 3 | 10 | 48 | 22 | 8 | 4 | 3 | 10 | 41 | 23 | 3 | 10 | 47 | 16 | 5 | 53 | 46.5 | 859. | 174. | 52.8 |
| RED (S) USB-30' | 3 | 10 | 43 | 16 | 3 | 10 | 51 | 22 | 8 | 5 | 3 | 10 | 44 | 21 | 3 | 10 | 50 | 17 | 5 | 55 | 53.9 | 857. | 157. | 52.8 |
| PRE (C) MPS-25M | 3 | 11 | 30 | 34 | 3 | 11 | 34 | 6 | 3 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 926. | 851. | 53.3 |
| HAW (C) FPS-16M | 3 | 12 | 15 | 44 | 3 | 12 | 20 | 29 | 4 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 916. | 765. | 53.8 |
| HAW (S) USB-30' | 3 | 12 | 15 | 44 | 3 | 12 | 20 | 29 | 4 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 916. | 765. | 53.8 |
| RED (S) USB-30' | 3 | 12 | 18 | 39 | 3 | 12 | 23 | 44 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 903. | 739. | 53.8 |
| ASC (C) TPQ-18 | 3 | 12 | 56 | 51 | 3 | 13 | 2 | 17 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 931. | 715. | 54.2 |
| ACN (S) USB-30' | 3 | 12 | 56 | 52 | 3 | 13 | 2 | 18 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 933. | 714. | 54.2 |
| GWM (S) USB-30' | 3 | 13 | 38 | 19 | 3 | 13 | 44 | 9 | 5 | 49 | 3 | 13 | 40 | 35 | 3 | 13 | 42 | 0 | 1 | 24 | 5.5 | 919. | 676. | 54.7 |
| MER (S) USB-30' | 3 | 13 | 55 | 45 | 3 | 14 | 1 | 17 | 5 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 911. | 700. | 54.8 |
| ASC (C) TPQ-18 | 3 | 14 | 29 | 41 | 3 | 14 | 37 | 45 | 8 | 3 | 3 | 14 | 30 | 47 | 3 | 14 | 36 | 40 | 5 | 52 | 63.4 | 888. | 142. | 55.2 |
| ACN (S) USB-30' | 3 | 14 | 29 | 42 | 3 | 14 | 37 | 45 | 8 | 2 | 3 | 14 | 30 | 49 | 3 | 14 | 36 | 41 | 5 | 52 | 64.6 | 892. | 140. | 55.2 |
| GWM (S) USB-30' | 3 | 15 | 11 | 25 | 3 | 15 | 19 | 30 | 8 | 5 | 3 | 15 | 12 | 30 | 3 | 15 | 18 | 25 | 5 | 55 | 46.8 | 830. | 173. | 55.7 |
| HTV (S) USB-30' | 3 | 15 | 19 | 55 | 3 | 15 | 27 | 49 | 7 | 53 | 3 | 15 | 21 | 2 | 3 | 15 | 26 | 43 | 5 | 40 | 34.7 | 935. | 216. | 55.7 |
| MER (S) USB-30' | 3 | 15 | 28 | 17 | 3 | 15 | 36 | 24 | 8 | 6 | 3 | 15 | 29 | 22 | 3 | 15 | 35 | 18 | 5 | 56 | 54.8 | 858. | 156. | 55.8 |
| ASC (C) TPQ-18 | 3 | 16 | 5 | 43 | 3 | 16 | 9 | 36 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 916. | 829. | 56.2 |
| ACN (S) USB-30' | 3 | 16 | 5 | 45 | 3 | 16 | 9 | 36 | 3 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 919. | 831. | 56.2 |
| GWM (S) USB-30' | 3 | 16 | 46 | 56 | 3 | 16 | 51 | 44 | 4 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 942. | 766. | 56.6 |
| HTV (S) USB-30' | 3 | 16 | 54 | 44 | 3 | 17 | 1 | 6 | 6 | 22 | 3 | 16 | 56 | 25 | 3 | 16 | 59 | 25 | 3 | 0 | 7.6 | 922. | 594. | 56.7 |
| MER (S) USB-30' | 3 | 17 | 3 | 1 | 3 | 17 | 10 | 8 | 7 | 7 | 3 | 17 | 4 | 22 | 3 | 17 | 8 | 46 | 4 | 24 | 11.5 | 919. | 487. | 56.8 |
| CYI (C) MPS26 | 3 | 17 | 42 | 36 | 3 | 17 | 50 | 3 | 7 | 27 | 3 | 17 | 43 | 51 | 3 | 17 | 48 | 49 | 4 | 58 | 15.9 | 934. | 396. | 57.2 |
| CYI (S) USB-30' | 3 | 17 | 42 | 36 | 3 | 17 | 50 | 3 | 7 | 27 | 3 | 17 | 43 | 51 | 3 | 17 | 48 | 49 | 4 | 58 | 15.9 | 934. | 396. | 57.2 |
| MAD (S) USB-85' | 3 | 17 | 47 | 59 | 3 | 17 | 52 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 946. | 827. | 57.3 |
| HSK (S) USB-85' | 3 | 18 | 29 | 44 | 3 | 18 | 32 | 23 | 2 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 926. | 891. | 57.7 |
| MER (S) USB-30' | 3 | 18 | 38 | 20 | 3 | 18 | 44 | 9 | 5 | 48 | 3 | 18 | 40 | 39 | 3 | 18 | 41 | 56 | 1 | 17 | 5.4 | 925. | 683. | 57.8 |
| ANG (S) USB-30' | 3 | 19 | 5 | 43 | 3 | 19 | 12 | 34 | 6 | 50 | 3 | 19 | 7 | 9 | 3 | 19 | 11 | 8 | 3 | 59 | 10.3 | 898. | 514. | 58.1 |
| VAN (S) USB-30' | 3 | 19 | 12 | 16 | 3 | 19 | 17 | 2 | 4 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 942. | 774. | 58.2 |
| CYI (C) MPS26 | 3 | 19 | 16 | 13 | 3 | 19 | 24 | 20 | 8 | 6 | 3 | 19 | 17 | 19 | 3 | 19 | 23 | 13 | 5 | 54 | 45.1 | 876. | 180. | 58.2 |
| CYI (S) USB-30' | 3 | 19 | 16 | 13 | 3 | 19 | 24 | 20 | 8 | 6 | 3 | 19 | 17 | 19 | 3 | 19 | 23 | 13 | 5 | 54 | 45.1 | 876. | 180. | 58.2 |
| MAD (S) USB-85' | 3 | 19 | 20 | 3 | 3 | 19 | 26 | 50 | 6 | 46 | 3 | 19 | 21 | 30 | 3 | 19 | 25 | 22 | 3 | 51 | 9.4 | 797. | 546. | 58.3 |
| CRO (C) FPQ-6 | 3 | 19 | 53 | 26 | 3 | 19 | 59 | 2 | 5 | 35 | 3 | 19 | 55 | 54 | 3 | 19 | 56 | 8 | 0 | 13 | 5.1 | 937. | 689. | 58.6 |
| CRO (S) USB-30' | 3 | 19 | 53 | 27 | 3 | 19 | 59 | 2 | 5 | 35 | 3 | 19 | 55 | 55 | 3 | 19 | 56 | 7 | 0 | 11 | 5.1 | 937. | 690. | 58.6 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 3 20 0 58 | 3 20 8 13 | 7 14 | 3 20 2 14 | 3 20 6 54 | 4 39 | 13.3 | 904. | 445. | 58 .7 |
| MER (S) USB-30' | 3 20 12 40 | 3 20 19 16 | 6 35 | 3 20 14 16 | 3 20 17 40 | 3 23 | 8.4 | 903. | 575. | 58 .8 |
| PAT (C) FPQ-6 | 3 20 40 31 | 3 20 41 5 | 0 33 | 0 0 0 0 | 0 0 0 0 | 0 0 | .1 | 942. | 942. | 59 .0 |
| GBI (C) TPQ-18 | 3 20 38 41 | 3 20 43 9 | 4 27 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.9 | 926. | 791. | 59 .1 |
| GBM (S) USB-30' | 3 20 38 41 | 3 20 43 9 | 4 28 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.9 | 924. | 790. | 59 .1 |
| BDA (C) FPS-16M | 3 20 41 39 | 3 20 47 5 | 5 26 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.6 | 933. | 714. | 59 .1 |
| BDQ (C) FPQ-6 | 3 20 41 39 | 3 20 47 5 | 5 26 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.6 | 933. | 714. | 59 .1 |
| BDA (S) USB-30' | 3 20 41 39 | 3 20 47 5 | 5 25 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.6 | 934. | 715. | 59 .1 |
| ANG (S) USB-30' | 3 20 39 6 | 3 20 47 1 | 7 54 | 3 20 40 12 | 3 20 45 53 | 5 40 | 30.9 | 940. | 239. | 59 .1 |
| VAN (S) USB-30' | 3 20 44 22 | 3 20 52 12 | 7 50 | 3 20 45 30 | 3 20 51 1 | 5 30 | 24.1 | 908. | 293. | 59 .2 |
| CYI (C) MPS26 | 3 20 50 42 | 3 20 58 26 | 7 44 | 3 20 51 55 | 3 20 57 14 | 5 18 | 19.0 | 904. | 352. | 59 .2 |
| CYI (S) USB-30' | 3 20 50 42 | 3 20 58 26 | 7 44 | 3 20 51 55 | 3 20 57 14 | 5 18 | 19.1 | 904. | 352. | 59 .2 |
| MAD (S) USB-85' | 3 20 53 29 | 3 21 0 33 | 7 4 | 3 20 54 50 | 3 20 59 12 | 4 21 | 11.9 | 951. | 481. | 59 .3 |
| CRO (C) FPQ-6 | 3 21 26 0 | 3 21 34 2 | 8 2 | 3 21 27 4 | 3 21 32 55 | 5 50 | 65.0 | 928. | 141. | 59 .6 |
| CRO (S) USB-30' | 3 21 26 0 | 3 21 34 2 | 8 2 | 3 21 27 4 | 3 21 32 55 | 5 50 | 64.8 | 927. | 141. | 59 .6 |
| HSK (S) USB-85' | 3 21 34 23 | 3 21 42 21 | 7 57 | 3 21 35 30 | 3 21 41 13 | 5 43 | 30.5 | 863. | 242. | 59 .7 |
| MER (S) USB-30' | 3 21 46 22 | 3 21 54 20 | 7 58 | 3 21 47 30 | 3 21 53 14 | 5 44 | 36.9 | 944. | 208. | 59 .8 |
| TEX (S) USB-30' | 3 22 8 16 | 3 22 13 27 | 5 11 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.0 | 917. | 739. | 60 .0 |
| MIL (S) USB-30' | 3 22 10 31 | 3 22 18 8 | 7 37 | 3 22 11 42 | 3 22 16 56 | 5 14 | 18.9 | 818. | 352. | 60 .1 |
| PAT (C) FPQ-6 | 3 22 10 29 | 3 22 18 9 | 7 40 | 3 22 11 39 | 3 22 16 58 | 5 19 | 20.1 | 814. | 336. | 60 .1 |
| GBI (C) TPQ-18 | 3 22 10 37 | 3 22 18 37 | 7 59 | 3 22 11 43 | 3 22 17 28 | 5 45 | 36.2 | 928. | 212. | 60 .1 |
| GBM (S) USB-30' | 3 22 10 37 | 3 22 18 37 | 7 59 | 3 22 11 43 | 3 22 17 28 | 5 45 | 36.3 | 926. | 212. | 60 .1 |
| ANG (S) USB-30' | 3 22 14 48 | 3 22 20 8 | 5 20 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.3 | 863. | 730. | 60 .1 |
| BDA (C) FPS-16M | 3 22 14 4 | 3 22 22 0 | 7 56 | 3 22 15 12 | 3 22 20 52 | 5 39 | 26.2 | 869. | 276. | 60 .1 |
| BDQ (C) FPQ-6 | 3 22 14 4 | 3 22 22 0 | 7 56 | 3 22 15 12 | 3 22 20 52 | 5 39 | 26.2 | 869. | 276. | 60 .1 |
| BDA (S) USB-30' | 3 22 14 4 | 3 22 22 0 | 7 56 | 3 22 15 12 | 3 22 20 52 | 5 39 | 26.2 | 869. | 276. | 60 .1 |
| VAN (S) USB-30' | 3 22 18 9 | 3 22 26 20 | 8 10 | 3 22 19 15 | 3 22 25 15 | 5 59 | 65.4 | 891. | 143. | 60 .2 |
| CYI (C) MPS26 | 3 22 24 58 | 3 22 32 55 | 7 56 | 3 22 26 7 | 3 22 31 46 | 5 38 | 24.7 | 862. | 289. | 60 .2 |
| CYI (S) USB-30' | 3 22 24 58 | 3 22 32 55 | 7 56 | 3 22 26 7 | 3 22 31 46 | 5 38 | 24.7 | 862. | 289. | 60 .2 |
| MAD (S) USB-85' | 3 22 27 38 | 3 22 33 28 | 5 49 | 3 22 29 49 | 3 22 31 22 | 1 33 | 5.7 | 829. | 670. | 60 .2 |
| CRO (C) FPQ-6 | 3 23 0 27 | 3 23 7 59 | 7 31 | 3 23 1 40 | 3 23 6 44 | 5 3 | 16.5 | 946. | 386. | 60 .6 |
| CRO (S) USB-30' | 3 23 0 27 | 3 23 7 59 | 7 31 | 3 23 1 40 | 3 23 6 44 | 5 3 | 16.5 | 946. | 385. | 60 .6 |
| HSK (S) USB-85' | 3 23 8 19 | 3 23 16 13 | 7 53 | 3 23 9 28 | 3 23 15 6 | 5 37 | 29.8 | 919. | 246. | 60 .7 |
| MER (S) USB-30' | 3 23 20 44 | 3 23 27 49 | 7 5 | 3 23 22 4 | 3 23 26 28 | 4 23 | 12.0 | 878. | 471. | 60 .8 |
| GYM (S) USB-30' | 3 23 38 22 | 3 23 45 21 | 6 58 | 3 23 39 44 | 3 23 43 57 | 4 13 | 11.2 | 945. | 494. | 61 .0 |
| WHS (C) FPS-16M | 3 23 40 10 | 3 23 46 22 | 6 12 | 3 23 41 52 | 3 23 44 37 | 2 44 | 7.1 | 944. | 617. | 61 .0 |
| TEX (S) USB-30' | 3 23 40 34 | 3 23 48 36 | 8 1 | 3 23 41 41 | 3 23 47 29 | 5 47 | 37.3 | 950. | 208. | 61 .0 |
| MIL (S) USB-30' | 3 23 44 14 | 3 23 52 20 | 8 5 | 3 23 45 20 | 3 23 51 12 | 5 52 | 49.9 | 933. | 168. | 61 .1 |
| PAT (C) FPQ-6 | 3 23 44 15 | 3 23 52 20 | 8 4 | 3 23 45 20 | 3 23 51 12 | 5 51 | 45.4 | 934. | 180. | 61 .1 |
| GBI (C) TPQ-18 | 3 23 44 45 | 3 23 52 40 | 7 55 | 3 23 45 54 | 3 23 51 31 | 5 36 | 23.3 | 862. | 303. | 61 .1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GBM (S) USB-30' | 3 | 23 | 44 | 45 | 3 | 23 | 52 | 41 | 7 | 55 | 3 | 23 | 45 | 55 | 3 | 23 | 51 | 31 | 5 | 36 | 23.2 | 862. | 304. | 61.1 |
| BDA (C) FPS-16M | 3 | 23 | 47 | 56 | 3 | 23 | 56 | 6 | 8 | 10 | 3 | 23 | 49 | 2 | 3 | 23 | 55 | 1 | 5 | 59 | 68.5 | 898. | 140. | 61.1 |
| BDO (C) FPQ-6 | 3 | 23 | 47 | 56 | 3 | 23 | 56 | 6 | 8 | 10 | 3 | 23 | 49 | 2 | 3 | 23 | 55 | 1 | 5 | 59 | 68.5 | 898. | 140. | 61.1 |
| BDA (S) USB-30' | 3 | 23 | 47 | 56 | 3 | 23 | 56 | 6 | 8 | 10 | 3 | 23 | 49 | 2 | 3 | 23 | 55 | 1 | 5 | 59 | 68.4 | 897. | 140. | 61.1 |
| VAN (S) USB-30' | 3 | 23 | 52 | 17 | 4 | 0 | 0 | 27 | 8 | 9 | 3 | 23 | 53 | 22 | 3 | 23 | 59 | 20 | 5 | 57 | 69.6 | 906. | 139. | 61.2 |
| CYI (C) MPS26 | 3 | 23 | 59 | 2 | 4 | 0 | 7 | 4 | 8 | 1 | 4 | 0 | 0 | 10 | 4 | 0 | 5 | 59 | 5 | 48 | 43.3 | 919. | 185. | 61.2 |
| CYI (S) USB-30' | 3 | 23 | 59 | 2 | 4 | 0 | 7 | 4 | 8 | 1 | 4 | 0 | 0 | 10 | 4 | 0 | 5 | 59 | 5 | 48 | 43.3 | 919. | 185. | 61.2 |
| TAN (C) FPS-16M | 4 | 0 | 19 | 15 | 4 | 0 | 26 | 47 | 7 | 32 | 4 | 0 | 20 | 27 | 4 | 0 | 25 | 34 | 5 | 7 | 17.9 | 936. | 358. | 61.4 |
| CRO (C) FPQ-6 | 4 | 0 | 35 | 15 | 4 | 0 | 42 | 13 | 6 | 57 | 4 | 0 | 36 | 41 | 4 | 0 | 40 | 47 | 4 | 6 | 10.4 | 907. | 515. | 61.6 |
| CRO (S) USB-30' | 4 | 0 | 35 | 15 | 4 | 0 | 42 | 13 | 6 | 58 | 4 | 0 | 36 | 41 | 4 | 0 | 40 | 47 | 4 | 6 | 10.4 | 907. | 514. | 61.6 |
| HSK (S) USB-85' | 4 | 0 | 42 | 34 | 4 | 0 | 49 | 26 | 6 | 51 | 4 | 0 | 43 | 58 | 4 | 0 | 48 | 2 | 4 | 3 | 10.1 | 777. | 521. | 61.7 |
| HTV (S) USB-30' | 4 | 0 | 50 | 33 | 4 | 0 | 57 | 7 | 6 | 34 | 4 | 0 | 52 | 7 | 4 | 0 | 55 | 34 | 3 | 27 | 8.4 | 836. | 570. | 61.7 |
| RED (S) USB-30' | 4 | 1 | 1 | 55 | 4 | 1 | 9 | 33 | 7 | 38 | 4 | 1 | 3 | 6 | 4 | 1 | 8 | 22 | 5 | 15 | 20.7 | 941. | 326. | 61.9 |
| CAL (C) FPS-16 | 4 | 1 | 10 | 56 | 4 | 1 | 17 | 38 | 6 | 41 | 4 | 1 | 12 | 26 | 4 | 1 | 16 | 7 | 3 | 40 | 9.1 | 919. | 552. | 61.9 |
| GDS (S) USB-85' | 4 | 1 | 11 | 40 | 4 | 1 | 18 | 31 | 6 | 50 | 4 | 1 | 13 | 6 | 4 | 1 | 17 | 4 | 3 | 58 | 9.9 | 939. | 529. | 62.0 |
| GYM (S) USB-30' | 4 | 1 | 11 | 38 | 4 | 1 | 19 | 48 | 8 | 9 | 4 | 1 | 12 | 43 | 4 | 1 | 18 | 42 | 5 | 59 | 60.8 | 878. | 148. | 62.0 |
| WHS (C) FPS-16M | 4 | 1 | 12 | 59 | 4 | 1 | 21 | 0 | 8 | 1 | 4 | 1 | 14 | 5 | 4 | 1 | 19 | 54 | 5 | 48 | 32.6 | 858. | 231. | 62.0 |
| TEX (S) USB-30' | 4 | 1 | 14 | 42 | 4 | 1 | 22 | 39 | 7 | 57 | 4 | 1 | 15 | 50 | 4 | 1 | 21 | 29 | 5 | 38 | 26.9 | 910. | 271. | 62.0 |
| MIL (S) USB-30' | 4 | 1 | 18 | 38 | 4 | 1 | 26 | 28 | 7 | 50 | 4 | 1 | 19 | 47 | 4 | 1 | 25 | 18 | 5 | 30 | 23.0 | 947. | 306. | 62.1 |
| PAT (C) FPQ-6 | 4 | 1 | 18 | 40 | 4 | 1 | 26 | 28 | 7 | 47 | 4 | 1 | 19 | 51 | 4 | 1 | 25 | 17 | 5 | 26 | 21.5 | 948. | 322. | 62.1 |
| GBI (C) TPQ-18 | 4 | 1 | 19 | 23 | 4 | 1 | 26 | 52 | 7 | 29 | 4 | 1 | 20 | 39 | 4 | 1 | 25 | 36 | 4 | 57 | 15.0 | 952. | 417. | 62.1 |
| GBM (S) USB-30' | 4 | 1 | 19 | 24 | 4 | 1 | 26 | 53 | 7 | 29 | 4 | 1 | 20 | 39 | 4 | 1 | 25 | 36 | 4 | 57 | 15.0 | 954. | 417. | 62.1 |
| ANG (S) USB-30' | 4 | 1 | 26 | 1 | 4 | 1 | 28 | 56 | 2 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 921. | 889. | 62.1 |
| BDA (C) FPS-16M | 4 | 1 | 22 | 1 | 4 | 1 | 30 | 12 | 8 | 10 | 4 | 1 | 23 | 7 | 4 | 1 | 29 | 7 | 5 | 59 | 60.6 | 873. | 149. | 62.1 |
| BDO (C) FPQ-6 | 4 | 1 | 22 | 1 | 4 | 1 | 30 | 12 | 8 | 10 | 4 | 1 | 23 | 7 | 4 | 1 | 29 | 7 | 5 | 59 | 60.6 | 873. | 149. | 62.1 |
| BDA (S) USB-30' | 4 | 1 | 22 | 1 | 4 | 1 | 30 | 12 | 8 | 10 | 4 | 1 | 23 | 7 | 4 | 1 | 29 | 7 | 5 | 59 | 60.5 | 873. | 149. | 62.1 |
| VAN (S) USB-30' | 4 | 1 | 26 | 25 | 4 | 1 | 34 | 16 | 7 | 50 | 4 | 1 | 27 | 34 | 4 | 1 | 33 | 8 | 5 | 34 | 26.2 | 768. | 275. | 62.1 |
| CYI (C) MPS26 | 4 | 1 | 34 | 7 | 4 | 1 | 39 | 27 | 5 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 938. | 720. | 62.2 |
| CYI (S) USB-30' | 4 | 1 | 34 | 7 | 4 | 1 | 39 | 27 | 5 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 938. | 721. | 62.2 |
| PRE (C) MPS-25M | 4 | 1 | 50 | 37 | 4 | 1 | 57 | 2 | 6 | 25 | 4 | 1 | 52 | 11 | 4 | 1 | 55 | 28 | 3 | 16 | 8.2 | 942. | 571. | 62.3 |
| TAN (C) FPS-16M | 4 | 1 | 53 | 14 | 4 | 2 | 0 | 49 | 7 | 34 | 4 | 1 | 54 | 27 | 4 | 1 | 59 | 36 | 5 | 9 | 19.2 | 938. | 342. | 62.4 |
| CRO (C) FPQ-6 | 4 | 2 | 9 | 25 | 4 | 2 | 17 | 2 | 7 | 36 | 4 | 2 | 10 | 38 | 4 | 2 | 15 | 50 | 5 | 11 | 18.6 | 949. | 355. | 62.6 |
| CRO (S) USB-30' | 4 | 2 | 9 | 25 | 4 | 2 | 17 | 2 | 7 | 36 | 4 | 2 | 10 | 38 | 4 | 2 | 15 | 50 | 5 | 11 | 18.6 | 948. | 355. | 62.6 |
| HTV (S) USB-30' | 4 | 2 | 23 | 57 | 4 | 2 | 31 | 47 | 7 | 49 | 4 | 2 | 25 | 5 | 4 | 2 | 30 | 38 | 5 | 32 | 29.9 | 938. | 243. | 62.7 |
| HAW (C) FPS-16M | 4 | 2 | 34 | 40 | 4 | 2 | 42 | 25 | 7 | 44 | 4 | 2 | 35 | 50 | 4 | 2 | 41 | 14 | 5 | 24 | 22.8 | 943. | 303. | 62.8 |
| HAW (S) USB-30' | 4 | 2 | 34 | 40 | 4 | 2 | 42 | 25 | 7 | 44 | 4 | 2 | 35 | 50 | 4 | 2 | 41 | 15 | 5 | 24 | 22.8 | 943. | 303. | 62.8 |
| RED (S) USB-30' | 4 | 2 | 36 | 3 | 4 | 2 | 43 | 28 | 7 | 25 | 4 | 2 | 37 | 18 | 4 | 2 | 42 | 11 | 4 | 52 | 14.6 | 944. | 420. | 62.8 |
| CAL (C) FPS-16 | 4 | 2 | 44 | 2 | 4 | 2 | 52 | 0 | 7 | 58 | 4 | 2 | 45 | 10 | 4 | 2 | 50 | 53 | 5 | 42 | 32.5 | 926. | 232. | 62.9 |
| GDS (S) USB-85' | 4 | 2 | 44 | 51 | 4 | 2 | 52 | 49 | 7 | 58 | 4 | 2 | 45 | 59 | 4 | 2 | 51 | 41 | 5 | 42 | 29.1 | 887. | 253. | 63.0 |
| GYM (S) USB-30' | 4 | 2 | 46 | 2 | 4 | 2 | 53 | 29 | 7 | 26 | 4 | 2 | 47 | 13 | 4 | 2 | 52 | 41 | 5 | 27 | 21.8 | 931. | 318. | 63.0 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WHS (C) FPS-16M | 4 | 2 | 46 | 56 | 4 | 2 | 55 | 4 | 8 | 8 | 4 | 2 | 48 | 1 | 4 | 2 | 53 | 45 | 5 | 42 | 68.2 | 906. | 140. | 63.0 |
| TEX (S) USB-30' | 4 | 2 | 49 | 12 | 4 | 2 | 56 | 55 | 7 | 42 | 4 | 2 | 50 | 24 | 4 | 2 | 55 | 43 | 5 | 19 | 19.3 | 803. | 349. | 63.0 |
| MIL (S) USB-30' | 4 | 2 | 52 | 49 | 4 | 3 | 0 | 54 | 8 | 4 | 4 | 2 | 53 | 45 | 4 | 2 | 59 | 48 | 6 | 2 | 36.6 | 886. | 212. | 63.1 |
| PAT (C) FPQ-6 | 4 | 2 | 52 | 52 | 4 | 3 | 0 | 55 | 8 | 2 | 4 | 2 | 53 | 52 | 4 | 2 | 59 | 49 | 5 | 56 | 34.7 | 897. | 221. | 63.1 |
| GBI (C) TPQ-18 | 4 | 2 | 53 | 28 | 4 | 3 | 1 | 29 | 8 | 0 | 4 | 2 | 54 | 42 | 4 | 3 | 0 | 20 | 5 | 37 | 25.7 | 934. | 280. | 63.1 |
| GBM (S) USB-30' | 4 | 2 | 53 | 29 | 4 | 3 | 1 | 30 | 8 | 0 | 4 | 2 | 54 | 42 | 4 | 3 | 0 | 20 | 5 | 37 | 25.6 | 936. | 280. | 63.1 |
| BCA (C) FPS-16M | 4 | 2 | 56 | 13 | 4 | 3 | 3 | 51 | 7 | 38 | 4 | 2 | 57 | 24 | 4 | 3 | 2 | 40 | 5 | 16 | 19.4 | 808. | 345. | 63.1 |
| BDQ (C) FPQ-6 | 4 | 2 | 56 | 13 | 4 | 3 | 3 | 51 | 7 | 38 | 4 | 2 | 57 | 24 | 4 | 3 | 2 | 40 | 5 | 16 | 19.4 | 808. | 345. | 63.1 |
| BCA (S) USB-30' | 4 | 2 | 56 | 13 | 4 | 3 | 3 | 51 | 7 | 38 | 4 | 2 | 57 | 24 | 4 | 3 | 2 | 40 | 5 | 16 | 19.4 | 808. | 345. | 63.1 |
| ANG (S) USB-30' | 4 | 2 | 58 | 40 | 4 | 3 | 5 | 40 | 6 | 59 | 4 | 3 | 0 | 6 | 4 | 3 | 4 | 15 | 4 | 9 | 10.8 | 861. | 504. | 63.1 |
| VAN (S) USB-30' | 4 | 3 | 1 | 31 | 4 | 3 | 6 | 27 | 4 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 905. | 754. | 63.1 |
| ASC (C) TPQ-18 | 4 | 3 | 12 | 20 | 4 | 3 | 19 | 57 | 7 | 37 | 4 | 3 | 13 | 30 | 4 | 3 | 18 | 47 | 5 | 17 | 20.8 | 778. | 321. | 63.2 |
| ACN (S) USB-30' | 4 | 3 | 12 | 20 | 4 | 3 | 19 | 58 | 7 | 37 | 4 | 3 | 13 | 30 | 4 | 3 | 18 | 48 | 5 | 17 | 21.0 | 773. | 317. | 63.2 |
| PRE (C) MPS-25M | 4 | 3 | 23 | 37 | 4 | 3 | 31 | 42 | 8 | 4 | 4 | 3 | 24 | 42 | 4 | 3 | 30 | 37 | 5 | 54 | 47.3 | 832. | 171. | 63.4 |
| TAN (C) FPS-16M | 4 | 3 | 29 | 0 | 4 | 3 | 34 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 921. | 748. | 63.4 |
| CRO (C) FPQ-6 | 4 | 3 | 43 | 21 | 4 | 3 | 51 | 23 | 8 | 1 | 4 | 3 | 44 | 27 | 4 | 3 | 50 | 16 | 5 | 49 | 45.4 | 901. | 177. | 63.6 |
| CRO (S) USB-30' | 4 | 3 | 43 | 21 | 4 | 3 | 51 | 23 | 8 | 1 | 4 | 3 | 44 | 27 | 4 | 3 | 50 | 16 | 5 | 49 | 45.2 | 901. | 178. | 63.6 |
| GWM (S) USB-30' | 4 | 3 | 58 | 14 | 4 | 4 | 0 | 41 | 2 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 908. | 901. | 63.7 |
| RED (S) USB-30' | 4 | 4 | 12 | 53 | 4 | 4 | 15 | 43 | 2 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 935. | 894. | 63.8 |
| HAW (C) FPS-16M | 4 | 4 | 8 | 43 | 4 | 4 | 16 | 27 | 7 | 44 | 4 | 4 | 9 | 54 | 4 | 4 | 15 | 15 | 5 | 20 | 19.5 | 882. | 344. | 63.8 |
| HAW (S) USB-30' | 4 | 4 | 8 | 43 | 4 | 4 | 16 | 27 | 7 | 44 | 4 | 4 | 9 | 54 | 4 | 4 | 15 | 15 | 5 | 20 | 19.5 | 882. | 344. | 63.8 |
| CAL (C) FPS-16 | 4 | 4 | 17 | 54 | 4 | 4 | 25 | 59 | 8 | 5 | 4 | 4 | 19 | 1 | 4 | 4 | 24 | 52 | 5 | 51 | 52.2 | 953. | 163. | 63.9 |
| CDS (S) USB-85' | 4 | 4 | 19 | 42 | 4 | 4 | 26 | 43 | 8 | 1 | 4 | 4 | 19 | 51 | 4 | 4 | 25 | 36 | 5 | 44 | 38.6 | 951. | 203. | 63.9 |
| GYM (S) USB-30' | 4 | 4 | 20 | 23 | 4 | 4 | 28 | 14 | 7 | 50 | 4 | 4 | 21 | 33 | 4 | 4 | 27 | 4 | 5 | 30 | 24.9 | 954. | 287. | 64.0 |
| WHS (C) FPS-16M | 4 | 4 | 21 | 3 | 4 | 4 | 29 | 8 | 8 | 5 | 4 | 4 | 22 | 9 | 4 | 4 | 28 | 1 | 5 | 52 | 69.7 | 951. | 138. | 64.0 |
| TEX (S) USB-30' | 4 | 4 | 23 | 20 | 4 | 4 | 31 | 22 | 8 | 2 | 4 | 4 | 24 | 27 | 4 | 4 | 30 | 15 | 5 | 48 | 45.9 | 954. | 178. | 64.0 |
| MIL (S) USB-30' | 4 | 4 | 26 | 58 | 4 | 4 | 34 | 53 | 7 | 54 | 4 | 4 | 28 | 8 | 4 | 4 | 33 | 44 | 5 | 35 | 26.3 | 956. | 273. | 64.0 |
| PAT (C) FPQ-6 | 4 | 4 | 27 | 1 | 4 | 4 | 34 | 57 | 7 | 56 | 4 | 4 | 28 | 10 | 4 | 4 | 33 | 48 | 5 | 37 | 27.8 | 952. | 261. | 64.0 |
| GBI (C) TPQ-18 | 4 | 4 | 27 | 39 | 4 | 4 | 35 | 38 | 7 | 59 | 4 | 4 | 28 | 47 | 4 | 4 | 34 | 31 | 5 | 43 | 32.2 | 952. | 232. | 64.0 |
| GBM (S) USB-30' | 4 | 4 | 27 | 39 | 4 | 4 | 35 | 38 | 7 | 58 | 4 | 4 | 28 | 48 | 4 | 4 | 34 | 32 | 5 | 43 | 32.1 | 953. | 232. | 64.0 |
| BCA (C) FPS-16M | 4 | 4 | 31 | 49 | 4 | 4 | 35 | 10 | 3 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 950. | 857. | 64.0 |
| BDQ (C) FPQ-6 | 4 | 4 | 31 | 49 | 4 | 4 | 35 | 10 | 3 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 950. | 857. | 64.0 |
| BCA (S) USB-30' | 4 | 4 | 31 | 49 | 4 | 4 | 35 | 10 | 3 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 950. | 857. | 64.0 |
| ANG (S) USB-30' | 4 | 4 | 32 | 15 | 4 | 4 | 40 | 17 | 8 | 2 | 4 | 4 | 33 | 18 | 4 | 4 | 39 | 22 | 6 | 4 | 38.7 | 880. | 199. | 64.1 |
| ASC (C) TPQ-18 | 4 | 4 | 46 | 38 | 4 | 4 | 53 | 39 | 7 | 0 | 4 | 4 | 48 | 1 | 4 | 4 | 52 | 16 | 4 | 15 | 11.4 | 876. | 482. | 64.2 |
| ACN (S) USB-30' | 4 | 4 | 46 | 40 | 4 | 4 | 53 | 39 | 6 | 59 | 4 | 4 | 48 | 3 | 4 | 4 | 52 | 16 | 4 | 12 | 11.2 | 881. | 486. | 64.2 |
| PRE (C) MPS-25M | 4 | 4 | 58 | 9 | 4 | 5 | 5 | 39 | 7 | 30 | 4 | 4 | 59 | 22 | 4 | 5 | 4 | 25 | 5 | 2 | 16.6 | 816. | 382. | 64.4 |
| TAN (C) FPS-16M | 4 | 5 | 4 | 45 | 4 | 5 | 3 | 11 | 3 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 929. | 867. | 64.4 |
| CRO (C) FPQ-6 | 4 | 5 | 18 | 41 | 4 | 5 | 23 | 32 | 4 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.5 | 906. | 758. | 64.5 |
| CRO (S) USB-30' | 4 | 5 | 18 | 42 | 4 | 5 | 23 | 32 | 4 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.5 | 906. | 759. | 64.5 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GWM (S) USB-30' | 4 | 5 | 29 | 20 | 4 | 5 | 37 | 22 | 8 | 2 | 4 | 5 | 30 | 25 | 4 | 5 | 36 | 15 | 5 | 50 | 41.7 | 872. | 189. | 64.7 |
| HAW (C) FPS-16M | 4 | 5 | 43 | 59 | 4 | 5 | 50 | 12 | 6 | 13 | 4 | 5 | 45 | 48 | 4 | 5 | 48 | 22 | 2 | 33 | 6.8 | 952. | 631. | 64.8 |
| HAW (S) USB-30' | 4 | 5 | 43 | 59 | 4 | 5 | 50 | 12 | 6 | 13 | 4 | 5 | 45 | 47 | 4 | 5 | 48 | 22 | 2 | 34 | 6.8 | 951. | 631. | 64.8 |
| CAL (C) FPS-16 | 4 | 5 | 51 | 59 | 4 | 5 | 59 | 43 | 7 | 44 | 4 | 5 | 53 | 8 | 4 | 5 | 58 | 34 | 5 | 26 | 22.4 | 953. | 310. | 64.9 |
| EDS (S) USB-85' | 4 | 5 | 52 | 49 | 4 | 6 | 0 | 15 | 7 | 25 | 4 | 5 | 54 | 5 | 4 | 5 | 59 | 0 | 4 | 54 | 15.1 | 923. | 411. | 64.9 |
| GYM (S) USB-30' | 4 | 5 | 54 | 24 | 4 | 6 | 2 | 32 | 8 | 7 | 4 | 5 | 55 | 29 | 4 | 6 | 1 | 27 | 5 | 57 | 44.3 | 833. | 182. | 65.0 |
| WHS (C) FPS-16M | 4 | 5 | 55 | 16 | 4 | 6 | 2 | 37 | 7 | 21 | 4 | 5 | 56 | 32 | 4 | 6 | 1 | 22 | 4 | 50 | 14.9 | 821. | 414. | 65.0 |
| TEX (S) USB-30' | 4 | 5 | 57 | 31 | 4 | 6 | 5 | 4 | 7 | 33 | 4 | 5 | 58 | 44 | 4 | 6 | 3 | 52 | 5 | 7 | 17.6 | 930. | 369. | 65.0 |
| MIL (S) USB-30' | 4 | 6 | 2 | 44 | 4 | 6 | 6 | 19 | 3 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 921. | 853. | 65.0 |
| PAT (C) FPQ-6 | 4 | 6 | 2 | 42 | 4 | 6 | 6 | 28 | 3 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 916. | 840. | 65.0 |
| GBI (C) TPQ-18 | 4 | 6 | 3 | 20 | 4 | 6 | 7 | 14 | 3 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 914. | 829. | 65.0 |
| GBM (S) USB-30' | 4 | 6 | 3 | 20 | 4 | 6 | 7 | 14 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 914. | 830. | 65.0 |
| ANG (S) USB-30' | 4 | 6 | 8 | 50 | 4 | 6 | 11 | 21 | 2 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 929. | 892. | 65.0 |
| PRE (C) MPS-25M | 4 | 6 | 32 | 44 | 4 | 6 | 40 | 1 | 7 | 16 | 4 | 6 | 34 | 3 | 4 | 6 | 38 | 43 | 4 | 40 | 13.2 | 945. | 447. | 65.4 |
| TAN (C) FPS-16M | 4 | 6 | 38 | 21 | 4 | 6 | 44 | 16 | 5 | 55 | 4 | 6 | 40 | 28 | 4 | 6 | 42 | 12 | 1 | 43 | 5.8 | 904. | 662. | 65.4 |
| GWM (S) USB-30' | 4 | 7 | 4 | 11 | 4 | 7 | 10 | 45 | 6 | 33 | 4 | 7 | 5 | 47 | 4 | 7 | 9 | 10 | 3 | 23 | 8.0 | 821. | 586. | 65.7 |
| HAW (C) FPS-16M | 4 | 7 | 18 | 47 | 4 | 7 | 24 | 53 | 6 | 6 | 4 | 7 | 20 | 42 | 4 | 7 | 23 | 0 | 2 | 17 | 6.4 | 919. | 646. | 65.8 |
| HAW (S) USB-30' | 4 | 7 | 18 | 46 | 4 | 7 | 24 | 53 | 6 | 6 | 4 | 7 | 20 | 42 | 4 | 7 | 23 | 0 | 2 | 18 | 6.4 | 919. | 646. | 65.8 |
| EDS (S) USB-85' | 4 | 7 | 28 | 12 | 4 | 7 | 31 | 57 | 3 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 878. | 840. | 65.9 |
| CAL (C) FPS-16 | 4 | 7 | 26 | 47 | 4 | 7 | 32 | 9 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 922. | 723. | 65.9 |
| GYM (S) USB-30' | 4 | 7 | 29 | 9 | 4 | 7 | 35 | 20 | 6 | 11 | 4 | 7 | 30 | 53 | 4 | 7 | 33 | 34 | 2 | 41 | 7.0 | 885. | 618. | 65.9 |
| PRE (C) MPS-25M | 4 | 8 | 6 | 46 | 4 | 8 | 14 | 43 | 7 | 56 | 4 | 8 | 7 | 55 | 4 | 8 | 13 | 37 | 5 | 41 | 32.7 | 903. | 227. | 66.4 |
| TAN (C) FPS-16M | 4 | 8 | 11 | 42 | 4 | 8 | 19 | 39 | 7 | 57 | 4 | 8 | 12 | 50 | 4 | 8 | 18 | 33 | 5 | 43 | 34.2 | 885. | 218. | 66.4 |
| HAW (C) FPS-16M | 4 | 8 | 52 | 34 | 4 | 9 | 0 | 10 | 7 | 35 | 4 | 8 | 53 | 48 | 4 | 8 | 58 | 56 | 5 | 8 | 17.2 | 915. | 375. | 66.8 |
| HAW (S) USB-30' | 4 | 8 | 52 | 34 | 4 | 9 | 0 | 10 | 7 | 35 | 4 | 8 | 53 | 48 | 4 | 8 | 58 | 56 | 5 | 8 | 17.2 | 914. | 375. | 66.8 |
| RED (S) USB-30' | 4 | 8 | 55 | 58 | 4 | 9 | 2 | 41 | 6 | 43 | 4 | 8 | 57 | 29 | 4 | 9 | 1 | 11 | 3 | 42 | 9.0 | 948. | 552. | 66.9 |
| PRE (C) MPS-25M | 4 | 9 | 40 | 57 | 4 | 9 | 48 | 31 | 7 | 34 | 4 | 9 | 42 | 8 | 4 | 9 | 47 | 20 | 5 | 12 | 19.1 | 938. | 343. | 67.3 |
| TAN (C) FPS-16M | 4 | 9 | 46 | 13 | 4 | 9 | 52 | 56 | 6 | 43 | 4 | 9 | 47 | 41 | 4 | 9 | 51 | 29 | 3 | 47 | 9.4 | 803. | 536. | 67.4 |
| HAW (C) FPS-16M | 4 | 10 | 26 | 30 | 4 | 10 | 34 | 23 | 7 | 53 | 4 | 10 | 27 | 38 | 4 | 10 | 33 | 16 | 5 | 37 | 27.2 | 858. | 262. | 67.8 |
| HAW (S) USB-30' | 4 | 10 | 26 | 30 | 4 | 10 | 34 | 23 | 7 | 53 | 4 | 10 | 27 | 38 | 4 | 10 | 33 | 16 | 5 | 37 | 27.2 | 858. | 262. | 67.8 |
| RED (S) USB-30' | 4 | 10 | 29 | 27 | 4 | 10 | 37 | 27 | 8 | 0 | 4 | 10 | 30 | 33 | 4 | 10 | 36 | 22 | 5 | 48 | 36.7 | 843. | 207. | 67.8 |
| HAW (C) FPS-16M | 4 | 12 | 3 | 16 | 4 | 12 | 5 | 7 | 1 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 930. | 912. | 68.8 |
| HAW (S) USB-30' | 4 | 12 | 3 | 16 | 4 | 12 | 5 | 7 | 1 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 930. | 913. | 68.8 |
| RED (S) USB-30' | 4 | 12 | 5 | 59 | 4 | 12 | 8 | 29 | 2 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .8 | 942. | 895. | 68.8 |
| ASC (C) TPQ-18 | 4 | 12 | 42 | 30 | 4 | 12 | 48 | 58 | 6 | 27 | 4 | 12 | 44 | 8 | 4 | 12 | 47 | 22 | 3 | 14 | 8.0 | 861. | 581. | 69.2 |
| ACN (S) USB-30' | 4 | 12 | 42 | 31 | 4 | 12 | 48 | 59 | 6 | 27 | 4 | 12 | 44 | 9 | 4 | 12 | 47 | 23 | 3 | 14 | 8.0 | 863. | 579. | 69.2 |
| GWM (S) USB-30' | 4 | 13 | 24 | 7 | 4 | 13 | 30 | 44 | 6 | 37 | 4 | 13 | 25 | 40 | 4 | 13 | 29 | 12 | 3 | 31 | 8.4 | 815. | 570. | 69.7 |
| HTV (S) USB-30' | 4 | 13 | 33 | 58 | 4 | 13 | 38 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 940. | 818. | 69.7 |
| MER (S) USB-30' | 4 | 13 | 41 | 16 | 4 | 13 | 47 | 51 | 6 | 34 | 4 | 13 | 42 | 48 | 4 | 13 | 46 | 19 | 3 | 31 | 8.5 | 812. | 561. | 69.8 |
| ASC (C) TPQ-18 | 4 | 14 | 15 | 51 | 4 | 14 | 23 | 44 | 7 | 53 | 4 | 14 | 16 | 59 | 4 | 14 | 22 | 38 | 5 | 38 | 32.5 | 915. | 227. | 70.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| ACN (S) USB-30' | 4 14 15 52 | 4 14 23 45 | 7 52 | 4 14 17 1 | 4 14 22 39 | 5 38 | 32.4 | 919. | 227. | 70.2 |
| GWM (S) USB-30' | 4 14 57 32 | 4 15 5 31 | 7 58 | 4 14 58 39 | 4 15 4 26 | 5 46 | 35.6 | 851. | 211. | 70.7 |
| HTV (S) USB-30' | 4 15 5 56 | 4 15 13 56 | 7 59 | 4 15 7 2 | 4 15 12 51 | 5 49 | 79.9 | 928. | 128. | 70.7 |
| MER (S) USB-30' | 4 15 14 24 | 4 15 22 27 | 8 2 | 4 15 15 29 | 4 15 21 21 | 5 51 | 41.4 | 851. | 189. | 70.8 |
| CYI (C) MPS26 | 4 15 57 16 | 4 16 0 10 | 2 54 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.1 | 933. | 885. | 71.2 |
| CYI (S) USB-30' | 4 15 57 16 | 4 16 0 10 | 2 54 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.1 | 933. | 885. | 71.2 |
| GWM (S) USB-30' | 4 16 34 36 | 4 16 36 12 | 1 35 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 927. | 921. | 71.6 |
| HTV (S) USB-30' | 4 16 41 28 | 4 16 46 38 | 5 10 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.1 | 868. | 728. | 71.7 |
| MER (S) USB-30' | 4 16 49 21 | 4 16 56 6 | 6 44 | 4 16 50 51 | 4 16 54 36 | 3 44 | 9.2 | 929. | 545. | 71.8 |
| CYI (C) MPS26 | 4 17 28 26 | 4 17 36 15 | 7 48 | 4 17 29 34 | 4 17 35 4 | 5 29 | 23.7 | 904. | 296. | 72.2 |
| CYI (S) USB-30' | 4 17 28 26 | 4 17 36 15 | 7 48 | 4 17 29 34 | 4 17 35 4 | 5 29 | 23.7 | 904. | 296. | 72.2 |
| MAD (S) USB-85' | 4 17 33 24 | 4 17 38 25 | 5 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.8 | 895. | 751. | 72.3 |
| HSK (S) USB-85' | 4 18 14 45 | 4 18 19 14 | 4 29 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.9 | 913. | 783. | 72.7 |
| MER (S) USB-30' | 4 18 24 34 | 4 18 30 17 | 5 43 | 4 18 26 55 | 4 18 27 55 | 0 59 | 5.1 | 904. | 691. | 72.8 |
| ANG (S) USB-30' | 4 18 51 22 | 4 18 58 52 | 7 29 | 4 18 52 35 | 4 18 57 39 | 5 4 | 17.2 | 817. | 372. | 73.1 |
| VAN (S) USB-30' | 4 18 57 37 | 4 19 3 32 | 5 55 | 4 18 59 38 | 4 19 1 29 | 1 50 | 5.8 | 886. | 664. | 73.2 |
| CYI (C) MPS26 | 4 19 2 19 | 4 19 10 22 | 8 3 | 4 19 3 25 | 4 19 9 14 | 5 48 | 33.7 | 879. | 226. | 73.2 |
| CYI (S) USB-30' | 4 19 2 19 | 4 19 10 22 | 8 3 | 4 19 3 25 | 4 19 9 14 | 5 48 | 33.7 | 879. | 226. | 73.2 |
| MAD (S) USB-85' | 4 19 5 54 | 4 19 12 51 | 6 57 | 4 19 7 18 | 4 19 11 28 | 4 10 | 10.6 | 937. | 512. | 73.3 |
| CRO (C) FPQ-6 | 4 19 38 55 | 4 19 45 28 | 6 33 | 4 19 40 26 | 4 19 43 56 | 3 29 | 8.7 | 925. | 555. | 73.6 |
| CRO (S) USB-30' | 4 19 38 55 | 4 19 45 28 | 6 33 | 4 19 40 27 | 4 19 43 56 | 3 29 | 8.7 | 926. | 555. | 73.6 |
| HSK (S) USB-85' | 4 19 46 48 | 4 19 54 17 | 7 28 | 4 19 48 2 | 4 19 53 2 | 5 0 | 16.3 | 906. | 387. | 73.7 |
| MER (S) USB-30' | 4 19 58 39 | 4 20 5 32 | 6 53 | 4 20 0 6 | 4 20 4 5 | 3 59 | 10.2 | 886. | 520. | 73.8 |
| MIL (S) USB-30' | 4 20 24 37 | 4 20 28 37 | 4 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 903. | 827. | 74.0 |
| PAT (C) FPQ-6 | 4 20 24 28 | 4 20 28 44 | 4 15 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.5 | 885. | 811. | 74.0 |
| GBI (C) TPQ-18 | 4 20 23 54 | 4 20 29 46 | 5 51 | 4 20 25 54 | 4 20 27 40 | 1 46 | 5.9 | 929. | 660. | 74.1 |
| GBM (S) USB-30' | 4 20 23 54 | 4 20 29 46 | 5 52 | 4 20 25 54 | 4 20 27 42 | 1 48 | 5.9 | 930. | 658. | 74.1 |
| ANG (S) USB-30' | 4 20 25 17 | 4 20 32 55 | 7 38 | 4 20 26 28 | 4 20 31 44 | 5 15 | 19.1 | 801. | 347. | 74.1 |
| BDA (C) FPS-16M | 4 20 27 7 | 4 20 33 27 | 6 20 | 4 20 28 46 | 4 20 31 46 | 3 0 | 7.5 | 875. | 603. | 74.1 |
| BDQ (C) FPQ-6 | 4 20 27 7 | 4 20 33 27 | 6 20 | 4 20 28 46 | 4 20 31 46 | 3 0 | 7.5 | 875. | 603. | 74.1 |
| BDA (S) USB-30' | 4 20 27 7 | 4 20 33 27 | 6 20 | 4 20 28 46 | 4 20 31 46 | 2 59 | 7.5 | 875. | 603. | 74.1 |
| VAN (S) USB-30' | 4 20 30 15 | 4 20 38 15 | 7 59 | 4 20 31 22 | 4 20 37 7 | 5 45 | 33.3 | 903. | 227. | 74.2 |
| CYI (C) MPS26 | 4 20 36 48 | 4 20 44 31 | 7 42 | 4 20 38 1 | 4 20 43 18 | 5 16 | 18.7 | 918. | 356. | 74.2 |
| CYI (S) USB-30' | 4 20 36 48 | 4 20 44 31 | 7 42 | 4 20 38 1 | 4 20 43 18 | 5 17 | 18.8 | 918. | 356. | 74.2 |
| MAD (S) USB-85' | 4 20 39 27 | 4 20 46 27 | 6 59 | 4 20 40 50 | 4 20 45 3 | 4 12 | 11.1 | 867. | 499. | 74.3 |
| CRO (C) FPQ-6 | 4 21 12 0 | 4 21 20 2 | 8 1 | 4 21 13 5 | 4 21 18 56 | 5 50 | 69.7 | 941. | 136. | 74.6 |
| CRO (S) USB-30' | 4 21 12 1 | 4 21 20 2 | 8 1 | 4 21 13 5 | 4 21 18 56 | 5 50 | 69.8 | 940. | 136. | 74.6 |
| HSK (S) USB-85' | 4 21 20 21 | 4 21 28 19 | 7 58 | 4 21 21 28 | 4 21 27 12 | 5 44 | 33.9 | 879. | 221. | 74.7 |
| MER (S) USB-30' | 4 21 32 19 | 4 21 40 24 | 8 4 | 4 21 33 24 | 4 21 39 19 | 5 54 | 49.9 | 858. | 165. | 74.8 |
| TEX (S) USB-30' | 4 21 53 37 | 4 21 59 53 | 6 16 | 4 21 55 21 | 4 21 58 11 | 2 50 | 7.2 | 882. | 610. | 75.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MIL (S) USB-30' | 4 | 21 | 56 | 19 | 4 | 22 | 4 | 13 | 7 | 53 | 4 | 21 | 57 | 27 | 4 | 22 | 3 | 3 | 5 | 36 | 27.5 | 910. | 264. | 75.1 |
| PAT (C) FPQ-6 | 4 | 21 | 56 | 17 | 4 | 22 | 4 | 13 | 7 | 55 | 4 | 21 | 57 | 24 | 4 | 22 | 3 | 4 | 5 | 39 | 29.6 | 908. | 248. | 75.1 |
| GBI (C) TPQ-18 | 4 | 21 | 56 | 32 | 4 | 22 | 4 | 39 | 8 | 7 | 4 | 21 | 57 | 37 | 4 | 22 | 3 | 34 | 5 | 56 | 47.0 | 850. | 174. | 75.1 |
| GBM (S) USB-30' | 4 | 21 | 56 | 32 | 4 | 22 | 4 | 39 | 8 | 7 | 4 | 21 | 57 | 37 | 4 | 22 | 3 | 34 | 5 | 56 | 47.5 | 851. | 173. | 75.1 |
| ANG (S) USB-30' | 4 | 22 | 1 | 23 | 4 | 22 | 5 | 50 | 4 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 883. | 807. | 75.1 |
| BCA (C) FPS-16M | 4 | 22 | 0 | 0 | 4 | 22 | 8 | 0 | 7 | 59 | 4 | 22 | 1 | 6 | 4 | 22 | 6 | 53 | 5 | 47 | 39.5 | 956. | 199. | 75.1 |
| BDQ (C) FPQ-6 | 4 | 22 | 0 | 0 | 4 | 22 | 8 | 0 | 7 | 59 | 4 | 22 | 1 | 6 | 4 | 22 | 6 | 53 | 5 | 47 | 39.5 | 956. | 199. | 75.1 |
| BDA (S) USB-30' | 4 | 22 | 0 | 0 | 4 | 22 | 8 | 0 | 7 | 59 | 4 | 22 | 1 | 6 | 4 | 22 | 6 | 53 | 5 | 47 | 39.5 | 957. | 199. | 75.1 |
| VAN (S) USB-30' | 4 | 22 | 4 | 10 | 4 | 22 | 12 | 20 | 8 | 9 | 4 | 22 | 5 | 15 | 4 | 22 | 11 | 14 | 5 | 58 | 58.4 | 884. | 152. | 75.2 |
| CYI (C) MPS26 | 4 | 22 | 10 | 59 | 4 | 22 | 18 | 58 | 7 | 58 | 4 | 22 | 12 | 6 | 4 | 22 | 17 | 51 | 5 | 44 | 34.0 | 956. | 223. | 75.2 |
| CYI (S) USB-30' | 4 | 22 | 10 | 59 | 4 | 22 | 18 | 58 | 7 | 58 | 4 | 22 | 12 | 6 | 4 | 22 | 17 | 51 | 5 | 44 | 34.1 | 956. | 223. | 75.2 |
| MAD (S) USB-85' | 4 | 22 | 13 | 49 | 4 | 22 | 19 | 1 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 946. | 741. | 75.2 |
| TAN (C) FPS-16M | 4 | 22 | 34 | 35 | 4 | 22 | 35 | 54 | 1 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .3 | 921. | 921. | 75.4 |
| CRO (C) FPQ-6 | 4 | 22 | 46 | 36 | 4 | 22 | 53 | 55 | 7 | 19 | 4 | 22 | 47 | 54 | 4 | 22 | 52 | 38 | 4 | 43 | 13.8 | 872. | 434. | 75.6 |
| CRO (S) USB-30' | 4 | 22 | 46 | 36 | 4 | 22 | 53 | 56 | 7 | 19 | 4 | 22 | 47 | 54 | 4 | 22 | 52 | 39 | 4 | 44 | 13.8 | 872. | 434. | 75.6 |
| HSK (S) USB-85' | 4 | 22 | 54 | 18 | 4 | 23 | 2 | 5 | 7 | 47 | 4 | 22 | 55 | 26 | 4 | 23 | 0 | 56 | 5 | 30 | 25.4 | 927. | 278. | 75.7 |
| MFR (S) USB-30' | 4 | 23 | 7 | 5 | 4 | 23 | 13 | 19 | 6 | 14 | 4 | 23 | 8 | 47 | 4 | 23 | 11 | 35 | 2 | 47 | 7.2 | 887. | 606. | 75.8 |
| RED (S) USB-30' | 4 | 23 | 17 | 18 | 4 | 23 | 18 | 22 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .2 | 929. | 929. | 75.8 |
| EDS (S) USB-85' | 4 | 23 | 26 | 33 | 4 | 23 | 28 | 26 | 1 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 924. | 923. | 75.9 |
| GYM (S) USB-30' | 4 | 23 | 24 | 2 | 4 | 23 | 31 | 30 | 7 | 28 | 4 | 23 | 25 | 14 | 4 | 23 | 30 | 16 | 5 | 1 | 16.4 | 851. | 388. | 76.0 |
| WHS (C) FPS-16M | 4 | 23 | 25 | 43 | 4 | 23 | 32 | 35 | 6 | 51 | 4 | 23 | 27 | 9 | 4 | 23 | 31 | 9 | 4 | 0 | 10.3 | 896. | 516. | 76.0 |
| TEX (S) USB-30' | 4 | 23 | 26 | 28 | 4 | 23 | 34 | 36 | 8 | 8 | 4 | 23 | 27 | 33 | 4 | 23 | 33 | 31 | 5 | 57 | 46.2 | 836. | 177. | 76.0 |
| MIL (S) USB-30' | 4 | 23 | 30 | 15 | 4 | 23 | 38 | 19 | 8 | 3 | 4 | 23 | 31 | 22 | 4 | 23 | 37 | 11 | 5 | 49 | 35.2 | 890. | 218. | 76.1 |
| PAT (C) FPQ-6 | 4 | 23 | 30 | 16 | 4 | 23 | 38 | 18 | 8 | 1 | 4 | 23 | 31 | 23 | 4 | 23 | 37 | 10 | 5 | 46 | 32.5 | 892. | 232. | 76.1 |
| GBI (C) TPQ-18 | 4 | 23 | 30 | 52 | 4 | 23 | 38 | 38 | 7 | 45 | 4 | 23 | 32 | 4 | 4 | 23 | 37 | 27 | 5 | 23 | 20.5 | 929. | 332. | 76.1 |
| GBM (S) USB-30' | 4 | 23 | 30 | 53 | 4 | 23 | 38 | 38 | 7 | 45 | 4 | 23 | 32 | 4 | 4 | 23 | 37 | 27 | 5 | 23 | 20.5 | 931. | 332. | 76.1 |
| BCA (C) FPS-16M | 4 | 23 | 33 | 56 | 4 | 23 | 42 | 4 | 8 | 7 | 4 | 23 | 35 | 2 | 4 | 23 | 40 | 58 | 5 | 55 | 73.5 | 945. | 136. | 76.1 |
| BDQ (C) FPQ-6 | 4 | 23 | 33 | 56 | 4 | 23 | 42 | 4 | 8 | 7 | 4 | 23 | 35 | 2 | 4 | 23 | 40 | 58 | 5 | 55 | 73.5 | 945. | 136. | 76.1 |
| BDA (S) USB-30' | 4 | 23 | 33 | 56 | 4 | 23 | 42 | 4 | 8 | 7 | 4 | 23 | 35 | 2 | 4 | 23 | 40 | 58 | 5 | 55 | 73.6 | 945. | 136. | 76.1 |
| VAN (S) USB-30' | 4 | 23 | 38 | 16 | 4 | 23 | 46 | 25 | 8 | 9 | 4 | 23 | 39 | 21 | 4 | 23 | 45 | 20 | 5 | 59 | 56.5 | 860. | 155. | 76.2 |
| CYI (C) MPS26 | 4 | 23 | 45 | 4 | 4 | 23 | 52 | 54 | 7 | 50 | 4 | 23 | 46 | 12 | 4 | 23 | 51 | 47 | 5 | 34 | 27.7 | 752. | 261. | 76.2 |
| CYI (S) USB-30' | 4 | 23 | 45 | 4 | 4 | 23 | 52 | 54 | 7 | 50 | 4 | 23 | 46 | 12 | 4 | 23 | 51 | 47 | 5 | 34 | 27.7 | 752. | 261. | 76.2 |
| TAN (C) FPS-16M | 5 | 0 | 5 | 1 | 5 | 0 | 12 | 52 | 7 | 50 | 5 | 0 | 6 | 7 | 5 | 0 | 11 | 45 | 5 | 38 | 34.1 | 750. | 217. | 76.4 |
| CRO (C) FPQ-6 | 5 | 0 | 21 | 18 | 5 | 0 | 28 | 17 | 6 | 59 | 5 | 0 | 22 | 43 | 5 | 0 | 26 | 52 | 4 | 9 | 10.7 | 894. | 505. | 76.6 |
| CRO (S) USB-30' | 5 | 0 | 21 | 18 | 5 | 0 | 28 | 18 | 6 | 59 | 5 | 0 | 22 | 43 | 5 | 0 | 26 | 53 | 4 | 9 | 10.7 | 894. | 504. | 76.6 |
| HSK (S) USB-85' | 5 | 0 | 28 | 41 | 5 | 0 | 35 | 2 | 6 | 20 | 5 | 0 | 30 | 21 | 5 | 0 | 33 | 23 | 3 | 1 | 7.7 | 937. | 591. | 76.7 |
| HTV (S) USB-30' | 5 | 0 | 36 | 11 | 5 | 0 | 43 | 27 | 7 | 16 | 5 | 0 | 37 | 28 | 5 | 0 | 42 | 10 | 4 | 41 | 13.9 | 853. | 428. | 76.7 |
| HAW (C) FPS-16M | 5 | 0 | 48 | 50 | 5 | 0 | 52 | 34 | 3 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 921. | 837. | 76.8 |
| HAW (S) USB-30' | 5 | 0 | 48 | 50 | 5 | 0 | 52 | 34 | 3 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 922. | 837. | 76.8 |
| RED (S) USB-30' | 5 | 0 | 47 | 40 | 5 | 0 | 55 | 39 | 7 | 58 | 5 | 0 | 48 | 47 | 5 | 0 | 54 | 32 | 5 | 45 | 34.9 | 876. | 216. | 76.9 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAL (C) FPS-16 | 5 | 0 | 56 | 35 | 5 | 1 | 3 | 43 | 7 | 8 | 5 | 0 | 57 | 55 | 5 | 1 | 2 | 23 | 4 | 27 | 12.3 | 870. | 468. | 76.9 |
| EDS (S) USB-85' | 5 | 0 | 57 | 21 | 5 | 1 | 4 | 35 | 7 | 14 | 5 | 0 | 58 | 39 | 5 | 1 | 3 | 16 | 4 | 37 | 13.3 | 840. | 446. | 77.0 |
| GYM (S) USB-30' | 5 | 0 | 57 | 37 | 5 | 1 | 5 | 44 | 8 | 7 | 5 | 0 | 58 | 43 | 5 | 1 | 4 | 38 | 5 | 55 | 45.1 | 873. | 180. | 77.0 |
| WHS (C) FPS-16M | 5 | 0 | 58 | 54 | 5 | 1 | 6 | 57 | 8 | 3 | 5 | 1 | 0 | 1 | 5 | 1 | 5 | 51 | 5 | 50 | 50.8 | 930. | 165. | 77.0 |
| TEX (S) USB-30' | 5 | 1 | 0 | 46 | 5 | 1 | 8 | 37 | 7 | 50 | 5 | 1 | 1 | 57 | 5 | 1 | 7 | 27 | 5 | 29 | 22.5 | 909. | 310. | 77.0 |
| MIL (S) USB-30' | 5 | 1 | 4 | 39 | 5 | 1 | 12 | 30 | 7 | 50 | 5 | 1 | 5 | 50 | 5 | 1 | 11 | 19 | 5 | 29 | 21.7 | 886. | 319. | 77.1 |
| PAT (C) FPQ-6 | 5 | 1 | 4 | 42 | 5 | 1 | 12 | 30 | 7 | 48 | 5 | 1 | 5 | 54 | 5 | 1 | 11 | 19 | 5 | 25 | 20.6 | 896. | 332. | 77.1 |
| GBI (C) TPQ-18 | 5 | 1 | 5 | 24 | 5 | 1 | 12 | 54 | 7 | 29 | 5 | 1 | 6 | 40 | 5 | 1 | 11 | 39 | 4 | 59 | 15.5 | 839. | 406. | 77.1 |
| GBM (S) USB-30' | 5 | 1 | 5 | 25 | 5 | 1 | 12 | 54 | 7 | 29 | 5 | 1 | 6 | 40 | 5 | 1 | 11 | 40 | 4 | 59 | 15.5 | 841. | 406. | 77.1 |
| ANG (S) USB-30' | 5 | 1 | 11 | 38 | 5 | 1 | 15 | 34 | 3 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 913. | 839. | 77.1 |
| BDA (C) FPS-16M | 5 | 1 | 8 | 1 | 5 | 1 | 16 | 7 | 8 | 6 | 5 | 1 | 9 | 6 | 5 | 1 | 15 | 0 | 5 | 53 | 66.4 | 927. | 141. | 77.1 |
| BDQ (C) FPQ-6 | 5 | 1 | 8 | 1 | 5 | 1 | 16 | 7 | 8 | 6 | 5 | 1 | 9 | 6 | 5 | 1 | 15 | 0 | 5 | 53 | 66.4 | 927. | 141. | 77.1 |
| BDA (S) USB-30' | 5 | 1 | 8 | 0 | 5 | 1 | 16 | 7 | 8 | 6 | 5 | 1 | 9 | 6 | 5 | 1 | 15 | 0 | 5 | 53 | 66.4 | 928. | 141. | 77.1 |
| VAN (S) USB-30' | 5 | 1 | 12 | 25 | 5 | 1 | 20 | 1 | 7 | 36 | 5 | 1 | 13 | 38 | 5 | 1 | 18 | 50 | 5 | 12 | 18.7 | 941. | 354. | 77.1 |
| CYI (C) MPS26 | 5 | 1 | 20 | 50 | 5 | 1 | 24 | 24 | 3 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 930. | 849. | 77.2 |
| CYI (S) USB-30' | 5 | 1 | 20 | 50 | 5 | 1 | 24 | 24 | 3 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 930. | 849. | 77.2 |
| ASC (C) TPQ-18 | 5 | 1 | 27 | 59 | 5 | 1 | 28 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | 939. | 939. | 77.2 |
| ACN (S) USB-30' | 5 | 1 | 27 | 54 | 5 | 1 | 28 | 8 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 936. | 936. | 77.2 |
| PRE (C) MPS-25M | 5 | 1 | 36 | 9 | 5 | 1 | 43 | 15 | 7 | 6 | 5 | 1 | 37 | 27 | 5 | 1 | 41 | 56 | 4 | 28 | 12.6 | 892. | 453. | 77.4 |
| TAN (C) FPS-16M | 5 | 1 | 39 | 24 | 5 | 1 | 46 | 38 | 7 | 13 | 5 | 1 | 40 | 43 | 5 | 1 | 45 | 19 | 4 | 36 | 13.3 | 827. | 439. | 77.4 |
| CRO (C) FPQ-6 | 5 | 1 | 55 | 21 | 5 | 2 | 3 | 7 | 7 | 46 | 5 | 1 | 56 | 31 | 5 | 2 | 2 | 6 | 5 | 35 | 24.1 | 946. | 290. | 77.6 |
| CRO (S) USB-30' | 5 | 1 | 55 | 21 | 5 | 2 | 3 | 8 | 7 | 46 | 5 | 1 | 56 | 31 | 5 | 2 | 2 | 6 | 5 | 35 | 24.2 | 947. | 290. | 77.6 |
| HTV (S) USB-30' | 5 | 2 | 10 | 3 | 5 | 2 | 17 | 24 | 7 | 20 | 5 | 2 | 11 | 21 | 5 | 2 | 16 | 14 | 4 | 52 | 13.5 | 847. | 424. | 77.7 |
| HAW (C) FPS-16M | 5 | 2 | 20 | 36 | 5 | 2 | 28 | 10 | 7 | 33 | 5 | 2 | 21 | 34 | 5 | 2 | 27 | 0 | 5 | 26 | 27.3 | 811. | 229. | 77.8 |
| HAW (S) USB-30' | 5 | 2 | 20 | 36 | 5 | 2 | 28 | 10 | 7 | 33 | 5 | 2 | 21 | 34 | 5 | 2 | 27 | 0 | 5 | 26 | 27.2 | 811. | 229. | 77.8 |
| RED (S) USB-30' | 5 | 2 | 22 | 33 | 5 | 2 | 28 | 43 | 6 | 10 | 5 | 2 | 24 | 12 | 5 | 2 | 27 | 13 | 3 | 0 | 7.6 | 808. | 538. | 77.8 |
| CAL (C) FPS-16 | 5 | 2 | 30 | 7 | 5 | 2 | 37 | 16 | 7 | 9 | 5 | 2 | 31 | 13 | 5 | 2 | 36 | 25 | 5 | 12 | 21.9 | 787. | 254. | 78.0 |
| EDS (S) USB-85' | 5 | 2 | 31 | 4 | 5 | 2 | 38 | 8 | 7 | 4 | 5 | 2 | 31 | 58 | 5 | 2 | 36 | 59 | 5 | 0 | 25.0 | 611. | 224. | 78.0 |
| GYM (S) USB-30' | 5 | 2 | 32 | 21 | 5 | 2 | 39 | 2 | 6 | 41 | 5 | 2 | 33 | 32 | 5 | 2 | 38 | 1 | 4 | 28 | 13.2 | 721. | 364. | 78.0 |
| WHS (C) FPS-16M | 5 | 2 | 33 | 11 | 5 | 2 | 40 | 23 | 7 | 12 | 5 | 2 | 34 | 6 | 5 | 2 | 39 | 15 | 5 | 9 | 53.4 | 542. | 122. | 78.0 |
| TEX (S) USB-30' | 5 | 2 | 35 | 29 | 5 | 2 | 42 | 10 | 6 | 41 | 5 | 2 | 36 | 43 | 5 | 2 | 40 | 54 | 4 | 10 | 15.0 | 605. | 323. | 78.0 |
| MIL (S) USB-30' | 5 | 2 | 39 | 6 | 5 | 2 | 46 | 5 | 6 | 59 | 5 | 2 | 39 | 57 | 5 | 2 | 44 | 58 | 5 | 1 | 31.6 | 600. | 175. | 78.1 |
| PAT (C) FPQ-6 | 5 | 2 | 39 | 8 | 5 | 2 | 46 | 7 | 6 | 59 | 5 | 2 | 40 | 1 | 5 | 2 | 44 | 59 | 4 | 57 | 31.0 | 594. | 178. | 78.1 |
| GBI (C) TPQ-18 | 5 | 2 | 39 | 43 | 5 | 2 | 46 | 40 | 6 | 57 | 5 | 2 | 40 | 55 | 5 | 2 | 45 | 37 | 4 | 41 | 27.1 | 553. | 198. | 78.1 |
| GBM (S) USB-30' | 5 | 2 | 39 | 43 | 5 | 2 | 46 | 40 | 6 | 57 | 5 | 2 | 40 | 56 | 5 | 2 | 45 | 37 | 4 | 41 | 27.0 | 555. | 199. | 78.1 |
| BDA (C) FPS-16M | 5 | 2 | 42 | 35 | 5 | 2 | 48 | 34 | 5 | 58 | 5 | 2 | 43 | 59 | 5 | 2 | 47 | 12 | 3 | 12 | 9.0 | 733. | 434. | 78.1 |
| BDQ (C) FPQ-6 | 5 | 2 | 42 | 35 | 5 | 2 | 48 | 34 | 5 | 58 | 5 | 2 | 43 | 59 | 5 | 2 | 47 | 12 | 3 | 12 | 9.0 | 733. | 434. | 78.1 |
| BDA (S) USB-30' | 5 | 2 | 42 | 35 | 5 | 2 | 48 | 34 | 5 | 58 | 5 | 2 | 43 | 59 | 5 | 2 | 47 | 12 | 3 | 12 | 9.0 | 733. | 434. | 78.1 |
| ANG (S) USB-30' | 5 | 2 | 44 | 47 | 5 | 2 | 50 | 50 | 6 | 2 | 5 | 2 | 46 | 5 | 5 | 2 | 49 | 33 | 3 | 28 | 8.9 | 761. | 431. | 78.1 |
| ASC (C) TPQ-18 | 5 | 2 | 57 | 56 | 5 | 3 | 5 | 0 | 7 | 3 | 5 | 2 | 59 | 5 | 5 | 3 | 4 | 5 | 4 | 59 | 28.2 | 596. | 199. | 78.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACN (S) USB-30' | 5 | 2 | 57 | 57 | 5 | 3 | 5 | 0 | 7 | 2 | 5 | 2 | 59 | 6 | 5 | 3 | 4 | 6 | 5 | 0 | 28.3 | 598. | 198. | 78.2 |
| PRE (C) MPS-25M | 5 | 3 | 9 | 10 | 5 | 3 | 16 | 48 | 7 | 37 | 5 | 3 | 10 | 5 | 5 | 3 | 15 | 46 | 5 | 41 | 46.2 | 529. | 155. | 78.3 |
| TAN (C) FPS-16M | 5 | 3 | 14 | 59 | 5 | 3 | 18 | 55 | 3 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 895. | 788. | 78.4 |
| CRO (C) FPQ-6 | 5 | 3 | 28 | 36 | 5 | 3 | 36 | 34 | 7 | 57 | 5 | 3 | 29 | 38 | 5 | 3 | 35 | 24 | 5 | 45 | 25.4 | 863. | 277. | 78.6 |
| CRO (S) USB-30' | 5 | 3 | 28 | 36 | 5 | 3 | 36 | 33 | 7 | 57 | 5 | 3 | 29 | 38 | 5 | 3 | 35 | 24 | 5 | 45 | 25.3 | 863. | 277. | 78.6 |
| GWM (S) USB-30' | 5 | 3 | 42 | 23 | 5 | 3 | 46 | 52 | 4 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 836. | 750. | 78.7 |
| HAW (C) FPS-16M | 5 | 3 | 54 | 22 | 5 | 4 | 1 | 0 | 6 | 38 | 5 | 3 | 55 | 41 | 5 | 3 | 59 | 49 | 4 | 8 | 11.0 | 752. | 430. | 78.8 |
| HAW (S) USB-30' | 5 | 3 | 54 | 22 | 5 | 4 | 1 | 0 | 6 | 38 | 5 | 3 | 55 | 41 | 5 | 3 | 59 | 49 | 4 | 8 | 11.0 | 752. | 430. | 78.8 |
| CAL (C) FPS-16 | 5 | 4 | 3 | 21 | 5 | 4 | 10 | 30 | 7 | 8 | 5 | 4 | 4 | 24 | 5 | 4 | 9 | 23 | 4 | 59 | 39.9 | 514. | 149. | 78.9 |
| GDS (S) USB-85' | 5 | 4 | 4 | 10 | 5 | 4 | 11 | 2 | 6 | 52 | 5 | 4 | 5 | 15 | 5 | 4 | 10 | 12 | 4 | 56 | 20.3 | 664. | 257. | 78.9 |
| GYM (S) USB-30' | 5 | 4 | 5 | 50 | 5 | 4 | 12 | 44 | 6 | 53 | 5 | 4 | 7 | 5 | 5 | 4 | 11 | 40 | 4 | 35 | 21.1 | 592. | 247. | 79.0 |
| WHS (C) FPS-16M | 5 | 4 | 6 | 32 | 5 | 4 | 13 | 29 | 6 | 57 | 5 | 4 | 7 | 26 | 5 | 4 | 12 | 38 | 5 | 11 | 18.4 | 726. | 269. | 79.0 |
| TEX (S) USB-30' | 5 | 4 | 8 | 50 | 5 | 4 | 15 | 48 | 6 | 57 | 5 | 4 | 9 | 39 | 5 | 4 | 14 | 51 | 5 | 11 | 25.7 | 780. | 205. | 79.0 |
| MIL (S) USB-30' | 5 | 4 | 12 | 34 | 5 | 4 | 18 | 48 | 6 | 14 | 5 | 4 | 13 | 47 | 5 | 4 | 17 | 38 | 3 | 50 | 10.9 | 723. | 384. | 79.0 |
| PAT (C) FPQ-6 | 5 | 4 | 12 | 36 | 5 | 4 | 18 | 52 | 6 | 16 | 5 | 4 | 13 | 46 | 5 | 4 | 17 | 44 | 3 | 58 | 11.2 | 728. | 378. | 79.0 |
| GBI (C) TPQ-18 | 5 | 4 | 13 | 13 | 5 | 4 | 19 | 37 | 6 | 24 | 5 | 4 | 14 | 19 | 5 | 4 | 18 | 29 | 4 | 9 | 12.9 | 695. | 343. | 79.0 |
| GBM (S) USB-30' | 5 | 4 | 13 | 13 | 5 | 4 | 19 | 37 | 6 | 24 | 5 | 4 | 14 | 20 | 5 | 4 | 18 | 29 | 4 | 9 | 12.9 | 694. | 343. | 79.0 |
| ANG (S) USB-30' | 5 | 4 | 17 | 45 | 5 | 4 | 24 | 22 | 6 | 37 | 5 | 4 | 19 | 0 | 5 | 4 | 23 | 6 | 4 | 5 | 17.1 | 552. | 280. | 79.1 |
| ASC (C) TPQ-18 | 5 | 4 | 32 | 12 | 5 | 4 | 37 | 26 | 5 | 13 | 5 | 4 | 35 | 0 | 5 | 4 | 35 | 5 | 0 | 4 | 5.1 | 806. | 604. | 79.2 |
| ACN (S) USB-30' | 5 | 4 | 32 | 14 | 5 | 4 | 37 | 26 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 806. | 607. | 79.2 |
| PRE (C) MPS-25M | 5 | 4 | 43 | 0 | 5 | 4 | 50 | 7 | 7 | 7 | 5 | 4 | 44 | 10 | 5 | 4 | 48 | 45 | 4 | 35 | 12.7 | 890. | 433. | 79.4 |
| TAN (C) FPS-16M | 5 | 4 | 49 | 40 | 5 | 4 | 52 | 43 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 845. | 845. | 79.4 |
| CRO (C) FPQ-6 | 5 | 5 | 4 | 28 | 5 | 5 | 6 | 28 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 895. | 895. | 79.5 |
| CRO (S) USB-30' | 5 | 5 | 4 | 28 | 5 | 5 | 6 | 27 | 1 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 895. | 895. | 79.5 |
| GWM (S) USB-30' | 5 | 5 | 13 | 49 | 5 | 5 | 21 | 38 | 7 | 49 | 5 | 5 | 15 | 3 | 5 | 5 | 20 | 42 | 5 | 39 | 31.2 | 768. | 215. | 79.7 |
| HAW (C) FPS-16M | 5 | 5 | 29 | 16 | 5 | 5 | 33 | 45 | 4 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 734. | 660. | 79.8 |
| HAW (S) USB-30' | 5 | 5 | 29 | 15 | 5 | 5 | 33 | 45 | 4 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 734. | 660. | 79.8 |
| CAL (C) FPS-16 | 5 | 5 | 36 | 51 | 5 | 5 | 43 | 4 | 6 | 12 | 5 | 5 | 38 | 1 | 5 | 5 | 41 | 58 | 3 | 57 | 9.7 | 799. | 420. | 79.9 |
| GDS (S) USB-85' | 5 | 5 | 37 | 45 | 5 | 5 | 43 | 32 | 5 | 46 | 5 | 5 | 39 | 26 | 5 | 5 | 41 | 58 | 2 | 32 | 8.0 | 717. | 458. | 79.9 |
| GYM (S) USB-30' | 5 | 5 | 39 | 12 | 5 | 5 | 46 | 4 | 6 | 52 | 5 | 5 | 40 | 8 | 5 | 5 | 44 | 57 | 4 | 49 | 26.9 | 598. | 196. | 80.0 |
| WHS (C) FPS-16M | 5 | 5 | 40 | 16 | 5 | 5 | 45 | 46 | 5 | 29 | 5 | 5 | 42 | 12 | 5 | 5 | 43 | 52 | 1 | 40 | 7.0 | 680. | 486. | 80.0 |
| TEX (S) USB-30' | 5 | 5 | 42 | 30 | 5 | 5 | 48 | 15 | 5 | 44 | 5 | 5 | 44 | 6 | 5 | 5 | 46 | 32 | 2 | 26 | 8.0 | 713. | 456. | 80.0 |
| PRE (C) MPS-25M | 5 | 6 | 16 | 36 | 5 | 6 | 23 | 55 | 7 | 19 | 5 | 6 | 17 | 50 | 5 | 6 | 22 | 36 | 4 | 45 | 12.1 | 843. | 459. | 80.4 |
| TAN (C) FPS-16M | 5 | 6 | 21 | 59 | 5 | 6 | 28 | 22 | 6 | 23 | 5 | 6 | 23 | 53 | 5 | 6 | 26 | 28 | 2 | 34 | 7.5 | 767. | 592. | 80.4 |
| GWM (S) USB-30' | 5 | 6 | 48 | 44 | 5 | 6 | 53 | 37 | 4 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 844. | 670. | 80.7 |
| HAW (C) FPS-16M | 5 | 7 | 3 | 6 | 5 | 7 | 7 | 46 | 4 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 708. | 616. | 80.8 |
| HAW (S) USB-30' | 5 | 7 | 3 | 6 | 5 | 7 | 7 | 46 | 4 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 708. | 616. | 80.8 |
| CAL (C) FPS-16 | 5 | 7 | 13 | 0 | 5 | 7 | 13 | 4 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | 799. | 799. | 80.9 |
| GYM (S) USB-30' | 5 | 7 | 14 | 13 | 5 | 7 | 17 | 3 | 2 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 798. | 724. | 80.9 |
| PRE (C) MPS-25M | 5 | 7 | 49 | 43 | 5 | 7 | 57 | 52 | 8 | 9 | 5 | 7 | 50 | 55 | 5 | 7 | 56 | 48 | 5 | 53 | 29.6 | 777. | 242. | 81.4 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| TAN (C) FPS-16M | 5 7 54 40 | 5 8 2 46 | 8 6 | 5 7 55 36 | 5 8 1 44 | 6 8 | 51.8 | 867. | 159. | 81.4 |
| HAW (C) FPS-16M | 5 8 35 46 | 5 8 42 25 | 6 38 | 5 8 37 3 | 5 8 41 11 | 4 7 | 17.1 | 566. | 281. | 81.8 |
| HAW (S) USB-30' | 5 8 35 46 | 5 8 42 25 | 6 38 | 5 8 37 3 | 5 8 41 11 | 4 7 | 17.1 | 566. | 280. | 81.8 |
| RED (S) USB-30' | 5 8 39 10 | 5 8 44 53 | 5 42 | 5 8 40 36 | 5 8 43 27 | 2 51 | 6.5 | 503. | 501. | 81.8 |
| PRE (C) MPS-25M | 5 9 23 20 | 5 9 30 36 | 7 15 | 5 9 24 37 | 5 9 29 17 | 4 39 | 13.6 | 646. | 430. | 82.3 |
| TAN (C) FPS-16M | 5 9 28 54 | 5 9 34 40 | 5 46 | 5 9 30 56 | 5 9 31 37 | 0 40 | 5.3 | 914. | 670. | 82.4 |
| HAW (C) FPS-16M | 5 10 9 10 | 5 10 15 27 | 6 17 | 5 10 10 15 | 5 10 14 20 | 4 5 | 11.8 | 722. | 360. | 82.8 |
| HAW (S) USB-30' | 5 10 9 10 | 5 10 15 27 | 6 17 | 5 10 10 15 | 5 10 14 20 | 4 5 | 11.8 | 722. | 360. | 82.8 |
| RED (S) USB-30' | 5 10 11 55 | 5 10 18 36 | 6 41 | 5 10 13 8 | 5 10 17 28 | 4 19 | 19.2 | 582. | 255. | 82.8 |
| ASC (C) TPQ-18 | 5 12 23 5 | 5 12 30 5 | 7 0 | 5 12 24 25 | 5 12 28 37 | 4 12 | 10.8 | 748. | 491. | 84.2 |
| ACN (S) USB-30' | 5 12 23 6 | 5 12 30 6 | 7 0 | 5 12 24 26 | 5 12 28 39 | 4 12 | 10.9 | 743. | 489. | 84.2 |
| GWM (S) USB-30' | 5 13 5 6 | 5 13 10 39 | 5 33 | 5 13 6 38 | 5 13 9 8 | 2 30 | 6.3 | 541. | 506. | 84.7 |
| HTV (S) USB-30' | 5 13 14 38 | 5 13 17 51 | 3 12 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.5 | 753. | 726. | 84.7 |
| MER (S) USB-30' | 5 13 21 37 | 5 13 27 49 | 6 12 | 5 13 23 1 | 5 13 26 17 | 3 15 | 9.2 | 726. | 460. | 84.8 |
| ASC (C) TPQ-18 | 5 13 55 56 | 5 14 3 33 | 7 36 | 5 13 57 11 | 5 14 2 28 | 5 16 | 16.9 | 817. | 364. | 85.2 |
| ACN (S) USB-30' | 5 13 55 58 | 5 14 3 34 | 7 36 | 5 13 57 13 | 5 14 2 29 | 5 16 | 16.7 | 813. | 367. | 85.2 |
| GWM (S) USB-30' | 5 14 37 44 | 5 14 44 26 | 6 41 | 5 14 38 59 | 5 14 43 13 | 4 14 | 19.8 | 543. | 248. | 85.7 |
| HTV (S) USB-30' | 5 14 45 47 | 5 14 52 55 | 7 7 | 5 14 46 58 | 5 14 51 59 | 5 1 | 40.6 | 556. | 147. | 85.7 |
| MER (S) USB-30' | 5 14 54 5 | 5 15 1 31 | 7 25 | 5 14 55 11 | 5 15 0 31 | 5 20 | 22.7 | 800. | 258. | 85.8 |
| CYI (C) MPS26 | 5 15 36 12 | 5 15 39 30 | 3 17 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.4 | 836. | 814. | 86.2 |
| CYI (S) USB-30' | 5 15 36 12 | 5 15 39 30 | 3 17 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.4 | 836. | 814. | 86.2 |
| HTV (S) USB-30' | 5 16 22 2 | 5 16 23 39 | 1 36 | 0 0 0 0 | 0 0 0 0 | 0 0 | .8 | 806. | 806. | 86.7 |
| MER (S) USB-30' | 5 16 28 23 | 5 16 34 24 | 6 1 | 5 16 30 17 | 5 16 32 20 | 2 3 | 6.9 | 778. | 575. | 86.8 |
| CYI (C) MPS26 | 5 17 7 5 | 5 17 14 26 | 7 21 | 5 17 8 2 | 5 17 13 16 | 5 13 | 26.8 | 580. | 229. | 87.2 |
| CYI (S) USB-30' | 5 17 7 5 | 5 17 14 26 | 7 21 | 5 17 8 2 | 5 17 13 16 | 5 13 | 26.8 | 580. | 229. | 87.2 |
| MAD (S) USB-85' | 5 17 12 10 | 5 17 16 11 | 4 1 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.4 | 757. | 726. | 87.3 |
| HSK (S) USB-85' | 5 17 52 45 | 5 17 56 46 | 4 1 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.6 | 816. | 724. | 87.7 |
| MER (S) USB-30' | 5 18 2 36 | 5 18 7 59 | 5 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.7 | 846. | 680. | 87.8 |
| ANG (S) USB-30' | 5 18 29 6 | 5 18 36 31 | 7 24 | 5 18 30 9 | 5 18 35 20 | 5 10 | 21.1 | 595. | 292. | 88.1 |
| VAN (S) USB-30' | 5 18 35 22 | 5 18 40 55 | 5 33 | 5 18 38 29 | 5 18 39 5 | 0 35 | 5.1 | 648. | 621. | 88.1 |
| CYI (C) MPS26 | 5 18 40 19 | 5 18 47 31 | 7 12 | 5 18 41 23 | 5 18 46 33 | 5 10 | 17.0 | 750. | 317. | 88.2 |
| CYI (S) USB-30' | 5 18 40 19 | 5 18 47 31 | 7 12 | 5 18 41 23 | 5 18 46 33 | 5 10 | 17.0 | 750. | 317. | 88.2 |
| MAD (S) USB-85' | 5 18 43 53 | 5 18 49 50 | 5 57 | 5 18 45 38 | 5 18 48 10 | 2 32 | 8.2 | 695. | 483. | 88.3 |
| CRO (C) FPQ-6 | 5 19 16 15 | 5 19 22 18 | 6 3 | 5 19 17 52 | 5 19 20 37 | 2 45 | 8.5 | 695. | 478. | 88.6 |
| CRO (S) USB-30' | 5 19 16 15 | 5 19 22 18 | 6 3 | 5 19 17 53 | 5 19 20 37 | 2 44 | 8.5 | 696. | 478. | 88.6 |
| HSK (S) USB-85' | 5 19 23 57 | 5 19 31 5 | 7 8 | 5 19 25 11 | 5 19 29 59 | 4 48 | 16.0 | 901. | 350. | 88.7 |
| MER (S) USB-30' | 5 19 35 38 | 5 19 42 37 | 6 59 | 5 19 37 4 | 5 19 41 12 | 4 8 | 11.0 | 680. | 483. | 88.8 |
| MIL (S) USB-30' | 5 20 1 29 | 5 20 5 28 | 3 58 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.5 | 831. | 756. | 89.1 |
| PAT (C) FPQ-6 | 5 20 1 19 | 5 20 5 33 | 4 14 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.8 | 818. | 739. | 89.1 |
| GBI (C) TPQ-18 | 5 20 0 47 | 5 20 6 32 | 5 44 | 5 20 2 42 | 5 20 4 12 | 1 30 | 5.9 | 857. | 606. | 89.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GBM (S) USB-30' | 5 | 20 | 0 | 47 | 5 | 20 | 6 | 32 | 5 | 45 | 5 | 20 | 2 | 41 | 5 | 20 | 4 | 14 | 1 | 33 | 5.9 | 857. | 606. | 89.1 |
| BDA (C) FPS-16M | 5 | 20 | 4 | 6 | 5 | 20 | 10 | 4 | 5 | 58 | 5 | 20 | 5 | 59 | 5 | 20 | 8 | 10 | 2 | 11 | 7.4 | 730. | 540. | 89.1 |
| BDQ (C) FPQ-6 | 5 | 20 | 4 | 6 | 5 | 20 | 10 | 4 | 5 | 58 | 5 | 20 | 5 | 59 | 5 | 20 | 8 | 10 | 2 | 11 | 7.4 | 730. | 540. | 89.1 |
| BDA (S) USB-30' | 5 | 20 | 4 | 6 | 5 | 20 | 10 | 4 | 5 | 58 | 5 | 20 | 5 | 59 | 5 | 20 | 8 | 10 | 2 | 10 | 7.4 | 731. | 540. | 89.1 |
| ANG (S) USB-30' | 5 | 20 | 2 | 34 | 5 | 20 | 9 | 24 | 6 | 50 | 5 | 20 | 3 | 50 | 5 | 20 | 8 | 11 | 4 | 20 | 10.3 | 808. | 460. | 89.1 |
| VAN (S) USB-30' | 5 | 20 | 7 | 22 | 5 | 20 | 14 | 44 | 7 | 21 | 5 | 20 | 8 | 26 | 5 | 20 | 13 | 44 | 5 | 17 | 35.8 | 520. | 176. | 89.1 |
| CYI (C) MPS26 | 5 | 20 | 14 | 4 | 5 | 20 | 20 | 45 | 6 | 40 | 5 | 20 | 15 | 21 | 5 | 20 | 19 | 36 | 4 | 14 | 13.8 | 666. | 351. | 89.2 |
| CYI (S) USB-30' | 5 | 20 | 14 | 4 | 5 | 20 | 20 | 45 | 6 | 40 | 5 | 20 | 15 | 21 | 5 | 20 | 19 | 36 | 4 | 14 | 13.8 | 666. | 351. | 89.2 |
| MAD (S) USB-85' | 5 | 20 | 16 | 50 | 5 | 20 | 22 | 24 | 5 | 34 | 5 | 20 | 18 | 32 | 5 | 20 | 20 | 25 | 1 | 52 | 6.5 | 799. | 524. | 89.3 |
| CRO (C) FPQ-6 | 5 | 20 | 48 | 36 | 5 | 20 | 56 | 8 | 7 | 31 | 5 | 20 | 49 | 29 | 5 | 20 | 54 | 58 | 5 | 28 | 26.0 | 767. | 236. | 89.6 |
| CRO (S) USB-30' | 5 | 20 | 48 | 36 | 5 | 20 | 56 | 8 | 7 | 31 | 5 | 20 | 49 | 29 | 5 | 20 | 54 | 58 | 5 | 28 | 26.1 | 768. | 235. | 89.6 |
| HSK (S) USB-85' | 5 | 20 | 56 | 45 | 5 | 21 | 4 | 30 | 7 | 45 | 5 | 20 | 57 | 39 | 5 | 21 | 3 | 18 | 5 | 38 | 29.2 | 838. | 232. | 89.7 |
| MER (S) USB-30' | 5 | 21 | 8 | 31 | 5 | 21 | 16 | 38 | 8 | 7 | 5 | 21 | 9 | 28 | 5 | 21 | 15 | 33 | 6 | 4 | 47.0 | 830. | 169. | 89.8 |
| TEX (S) USB-30' | 5 | 21 | 29 | 47 | 5 | 21 | 35 | 51 | 6 | 4 | 5 | 21 | 31 | 39 | 5 | 21 | 34 | 2 | 2 | 23 | 7.5 | 744. | 544. | 90.0 |
| MIL (S) USB-30' | 5 | 21 | 32 | 38 | 5 | 21 | 40 | 3 | 7 | 24 | 5 | 21 | 33 | 37 | 5 | 21 | 38 | 56 | 5 | 18 | 23.0 | 810. | 257. | 90.1 |
| PAT (C) FPQ-6 | 5 | 21 | 32 | 37 | 5 | 21 | 40 | 4 | 7 | 26 | 5 | 21 | 33 | 35 | 5 | 21 | 38 | 56 | 5 | 21 | 24.2 | 805. | 247. | 90.1 |
| GBI (C) TPQ-18 | 5 | 21 | 32 | 57 | 5 | 21 | 40 | 28 | 7 | 31 | 5 | 21 | 33 | 49 | 5 | 21 | 39 | 21 | 5 | 32 | 52.6 | 868. | 135. | 90.1 |
| GBM (S) USB-30' | 5 | 21 | 32 | 57 | 5 | 21 | 40 | 28 | 7 | 31 | 5 | 21 | 33 | 49 | 5 | 21 | 39 | 22 | 5 | 32 | 53.2 | 870. | 134. | 90.1 |
| ANG (S) USB-30' | 5 | 21 | 38 | 51 | 5 | 21 | 39 | 52 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .3 | 845. | 845. | 90.1 |
| BDA (C) FPS-16M | 5 | 21 | 36 | 20 | 5 | 21 | 43 | 42 | 7 | 21 | 5 | 21 | 37 | 20 | 5 | 21 | 42 | 44 | 5 | 23 | 19.9 | 733. | 278. | 90.1 |
| BDQ (C) FPQ-6 | 5 | 21 | 36 | 20 | 5 | 21 | 43 | 42 | 7 | 21 | 5 | 21 | 37 | 20 | 5 | 21 | 42 | 44 | 5 | 23 | 19.9 | 733. | 278. | 90.1 |
| BDA (S) USB-30' | 5 | 21 | 36 | 20 | 5 | 21 | 43 | 41 | 7 | 21 | 5 | 21 | 37 | 20 | 5 | 21 | 42 | 44 | 5 | 23 | 19.9 | 733. | 278. | 90.1 |
| VAN (S) USB-30' | 5 | 21 | 40 | 38 | 5 | 21 | 47 | 54 | 7 | 15 | 5 | 21 | 41 | 32 | 5 | 21 | 46 | 54 | 5 | 21 | 27.2 | 778. | 209. | 90.2 |
| CYI (C) MPS26 | 5 | 21 | 47 | 24 | 5 | 21 | 54 | 24 | 6 | 59 | 5 | 21 | 48 | 29 | 5 | 21 | 53 | 15 | 4 | 45 | 30.3 | 529. | 181. | 90.2 |
| CYI (S) USB-30' | 5 | 21 | 47 | 24 | 5 | 21 | 54 | 24 | 6 | 59 | 5 | 21 | 48 | 29 | 5 | 21 | 53 | 15 | 4 | 45 | 30.3 | 529. | 181. | 90.2 |
| MAD (S) USB-85' | 5 | 21 | 51 | 13 | 5 | 21 | 53 | 17 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 781. | 781. | 90.2 |
| CRO (C) FPQ-6 | 5 | 22 | 22 | 23 | 5 | 22 | 29 | 10 | 6 | 47 | 5 | 22 | 23 | 45 | 5 | 22 | 27 | 51 | 4 | 6 | 10.3 | 890. | 471. | 90.6 |
| CRO (S) USB-30' | 5 | 22 | 22 | 23 | 5 | 22 | 29 | 11 | 6 | 47 | 5 | 22 | 23 | 45 | 5 | 22 | 27 | 51 | 4 | 6 | 10.3 | 889. | 471. | 90.6 |
| HSK (S) USB-85' | 5 | 22 | 29 | 46 | 5 | 22 | 37 | 26 | 7 | 39 | 5 | 22 | 31 | 1 | 5 | 22 | 36 | 22 | 5 | 21 | 20.3 | 858. | 316. | 90.7 |
| MER (S) USB-30' | 5 | 22 | 42 | 46 | 5 | 22 | 48 | 19 | 5 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5.0 | 892. | 680. | 90.8 |
| RED (S) USB-30' | 5 | 22 | 52 | 8 | 5 | 22 | 54 | 12 | 2 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 856. | 856. | 90.8 |
| GDS (S) USB-85' | 5 | 23 | 2 | 40 | 5 | 23 | 3 | 15 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .2 | 863. | 863. | 90.9 |
| GYM (S) USB-30' | 5 | 22 | 59 | 28 | 5 | 23 | 6 | 36 | 7 | 7 | 5 | 23 | 0 | 42 | 5 | 23 | 5 | 24 | 4 | 42 | 17.1 | 583. | 329. | 91.0 |
| WHS (C) FPS-16M | 5 | 23 | 1 | 14 | 5 | 23 | 7 | 35 | 6 | 21 | 5 | 23 | 2 | 38 | 5 | 23 | 6 | 8 | 3 | 30 | 9.0 | 765. | 485. | 91.0 |
| TEX (S) USB-30' | 5 | 23 | 2 | 0 | 5 | 23 | 9 | 33 | 7 | 33 | 5 | 23 | 3 | 7 | 5 | 23 | 8 | 40 | 5 | 32 | 27.8 | 756. | 222. | 91.0 |
| MIL (S) USB-30' | 5 | 23 | 5 | 53 | 5 | 23 | 13 | 3 | 7 | 10 | 5 | 23 | 7 | 6 | 5 | 23 | 12 | 11 | 5 | 5 | 23.1 | 837. | 248. | 91.1 |
| PAT (C) FPQ-6 | 5 | 23 | 5 | 54 | 5 | 23 | 13 | 3 | 7 | 8 | 5 | 23 | 7 | 7 | 5 | 23 | 12 | 10 | 5 | 2 | 21.5 | 839. | 263. | 91.1 |
| GBI (C) TPQ-18 | 5 | 23 | 6 | 36 | 5 | 23 | 13 | 23 | 6 | 47 | 5 | 23 | 7 | 45 | 5 | 23 | 12 | 17 | 4 | 31 | 11.4 | 784. | 406. | 91.1 |
| GBM (S) USB-30' | 5 | 23 | 6 | 36 | 5 | 23 | 13 | 24 | 6 | 47 | 5 | 23 | 7 | 46 | 5 | 23 | 12 | 17 | 4 | 31 | 11.4 | 785. | 405. | 91.1 |
| BDA (C) FPS-16M | 5 | 23 | 9 | 32 | 5 | 23 | 16 | 49 | 7 | 17 | 5 | 23 | 10 | 39 | 5 | 23 | 15 | 54 | 5 | 14 | 56.3 | 535. | 120. | 91.1 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| BDO (C) FPQ-6 | 5 23 5 32 | 5 23 16 49 | 7 17 | 5 23 10 39 | 5 23 15 54 | 5 14 | 56.3 | 535. | 120. | 91.1 |
| BDA (S) USB-30' | 5 23 9 32 | 5 23 16 49 | 7 17 | 5 23 10 39 | 5 23 15 54 | 5 14 | 56.4 | 535. | 120. | 91.1 |
| VAN (S) USB-30' | 5 23 13 53 | 5 23 20 58 | 7 5 | 5 23 15 4 | 5 23 20 10 | 5 6 | 38.2 | 599. | 153. | 91.1 |
| CYI (C) MPS26 | 5 23 20 50 | 5 23 27 12 | 6 22 | 5 23 21 52 | 5 23 26 13 | 4 21 | 11.3 | 770. | 371. | 91.2 |
| CYI (S) USB-30' | 5 23 20 50 | 5 23 27 12 | 6 22 | 5 23 21 52 | 5 23 26 13 | 4 21 | 11.3 | 770. | 371. | 91.2 |
| TAN (C) FPS-16M | 5 23 40 6 | 5 23 47 15 | 7 8 | 5 23 41 10 | 5 23 46 21 | 5 11 | 26.7 | 817. | 210. | 91.4 |
| CRO (C) FPQ-6 | 5 23 56 7 | 6 0 2 53 | 6 45 | 5 23 57 38 | 6 0 1 27 | 3 49 | 9.8 | 747. | 503. | 91.6 |
| CRO (S) USB-30' | 5 23 56 7 | 6 0 2 53 | 6 45 | 5 23 57 38 | 6 0 1 28 | 3 49 | 9.8 | 747. | 502. | 91.6 |
| HSK (S) USB-85' | 6 0 3 31 | 6 0 9 25 | 5 54 | 6 0 5 54 | 6 0 7 25 | 1 30 | 5.9 | 870. | 641. | 91.7 |
| HTV (S) USB-30' | 6 0 10 44 | 6 0 18 12 | 7 28 | 6 0 11 52 | 6 0 16 54 | 5 1 | 15.3 | 875. | 392. | 91.7 |
| HAW (C) FPS-16M | 6 0 23 19 | 6 0 27 12 | 3 53 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 873. | 772. | 91.8 |
| HAW (S) USB-30' | 6 0 23 19 | 6 0 27 12 | 3 53 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 873. | 772. | 91.8 |
| RED (S) USB-30' | 6 0 22 18 | 6 0 30 6 | 7 47 | 6 0 23 20 | 6 0 28 58 | 5 38 | 27.1 | 765. | 239. | 91.9 |
| CAL (C) FPS-16 | 6 0 31 21 | 6 0 37 53 | 6 31 | 6 0 32 41 | 6 0 36 29 | 3 47 | 10.7 | 705. | 436. | 91.9 |
| GDS (S) USB-85' | 6 0 32 6 | 6 0 38 41 | 6 35 | 6 0 33 30 | 6 0 37 24 | 3 54 | 11.3 | 702. | 421. | 91.9 |
| GYM (S) USB-30' | 6 0 32 28 | 6 0 39 52 | 7 23 | 6 0 33 27 | 6 0 38 50 | 5 23 | 22.4 | 764. | 255. | 92.0 |
| WHS (C) FPS-16M | 6 0 33 39 | 6 0 40 59 | 7 19 | 6 0 34 49 | 6 0 40 8 | 5 18 | 40.0 | 578. | 159. | 92.0 |
| TEX (S) USB-30' | 6 0 35 39 | 6 0 42 37 | 6 57 | 6 0 36 56 | 6 0 41 27 | 4 31 | 17.4 | 592. | 305. | 92.0 |
| MIL (S) USB-30' | 6 0 39 33 | 6 0 46 25 | 6 52 | 6 0 40 47 | 6 0 45 12 | 4 25 | 18.0 | 552. | 287. | 92.1 |
| PAT (C) FPQ-6 | 6 0 39 36 | 6 0 46 25 | 6 49 | 6 0 40 52 | 6 0 45 11 | 4 19 | 16.7 | 565. | 303. | 92.1 |
| GBI (C) TPQ-18 | 6 0 40 22 | 6 0 46 45 | 6 22 | 6 0 41 43 | 6 0 45 30 | 3 47 | 10.6 | 721. | 411. | 92.1 |
| GBM (S) USB-30' | 6 0 40 23 | 6 0 46 46 | 6 22 | 6 0 41 43 | 6 0 45 31 | 3 47 | 10.6 | 722. | 412. | 92.1 |
| BCA (C) FPS-16M | 6 0 42 57 | 6 0 49 58 | 7 0 | 6 0 43 47 | 6 0 48 56 | 5 9 | 29.9 | 815. | 184. | 92.1 |
| BDO (C) FPQ-6 | 6 0 42 57 | 6 0 49 58 | 7 0 | 6 0 43 47 | 6 0 48 56 | 5 9 | 29.9 | 815. | 184. | 92.1 |
| BDA (S) USB-30' | 6 0 42 57 | 6 0 49 58 | 7 0 | 6 0 43 47 | 6 0 48 56 | 5 9 | 29.9 | 815. | 184. | 92.1 |
| VAN (S) USB-30' | .6 0 47 25 | 6 0 53 35 | 6 10 | 6 0 48 42 | 6 0 52 19 | 3 37 | 10.6 | 699. | 389. | 92.1 |
| PRE (C) MPS-25M | 6 1 10 26 | 6 1 16 53 | 6 26 | 6 1 11 44 | 6 1 15 36 | 3 52 | 10.8 | 718. | 415. | 92.3 |
| TAN (C) FPS-16M | 6 1 13 50 | 6 1 20 11 | 6 20 | 6 1 15 23 | 6 1 18 35 | 3 11 | 9.4 | 681. | 468. | 92.4 |
| CRO (C) FPQ-6 | 6 1 29 13 | 6 1 36 57 | 7 44 | 6 1 30 16 | 6 1 35 56 | 5 39 | 26.1 | 542. | 263. | 92.6 |
| CRO (S) USB-30' | 6 1 29 13 | 6 1 36 57 | 7 44 | 6 1 30 16 | 6 1 35 56 | 5 40 | 26.2 | 541. | 262. | 92.6 |
| HTV (S) USB-30' | 6 1 44 2 | 6 1 51 2 | 6 59 | 6 1 45 26 | 6 1 49 47 | 4 21 | 11.6 | 744. | 461. | 92.7 |
| HAW (C) FPS-16M | 6 1 54 21 | 6 2 2 0 | 7 39 | 6 1 55 21 | 6 2 0 55 | 5 34 | 25.7 | 759. | 241. | 92.8 |
| HAW (S) USB-30' | 6 1 54 21 | 6 2 2 0 | 7 39 | 6 1 55 21 | 6 2 0 55 | 5 34 | 25.7 | 759. | 241. | 92.8 |
| RED (S) USB-30' | 6 1 56 31 | 6 2 2 26 | 5 54 | 6 1 58 24 | 6 2 0 26 | 2 2 | 6.7 | 807. | 569. | 92.8 |
| CAL (C) FPS-16 | 6 2 3 54 | 6 2 11 4 | 7 10 | 6 2 5 5 | 6 2 10 15 | 5 9 | 26.8 | 828. | 217. | 93.0 |
| GDS (S) USB-85' | 6 2 4 50 | 6 2 11 57 | 7 7 | 6 2 5 45 | 6 2 10 53 | 5 8 | 22.8 | 817. | 243. | 93.0 |
| GYM (S) USB-30' | 6 2 6 10 | 6 2 12 55 | 6 44 | 6 2 7 24 | 6 2 11 51 | 4 26 | 14.0 | 690. | 351. | 93.0 |
| WHS (C) FPS-16M | 6 2 7 3 | 6 2 14 13 | 7 9 | 6 2 7 53 | 6 2 13 2 | 5 8 | 41.7 | 582. | 146. | 93.0 |
| TEX (S) USB-30' | 6 2 9 19 | 6 2 16 1 | 6 42 | 6 2 10 29 | 6 2 14 48 | 4 18 | 15.2 | 631. | 321. | 93.0 |
| MIL (S) USB-30' | 6 2 12 55 | 6 2 19 53 | 6 57 | 6 2 13 45 | 6 2 18 54 | 5 8 | 27.9 | 802. | 192. | 93.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAT (C) FPQ-6 | 6 | 2 | 12 | 59 | 6 | 2 | 19 | 55 | 6 | 56 | 6 | 2 | 13 | 48 | 6 | 2 | 18 | 54 | 5 | 6 | 28.1 | 813. | 191. | 93.1 |
| GBI (C) TPQ-18 | 6 | 2 | 13 | 32 | 6 | 2 | 20 | 31 | 6 | 59 | 6 | 2 | 14 | 39 | 6 | 2 | 19 | 25 | 4 | 45 | 32.5 | 509. | 170. | 93.1 |
| GBM (S) USB-30' | 6 | 2 | 13 | 32 | 6 | 2 | 20 | 32 | 6 | 59 | 6 | 2 | 14 | 40 | 6 | 2 | 19 | 26 | 4 | 45 | 32.5 | 510. | 170. | 93.1 |
| BDA (C) FPS-16M | 6 | 2 | 16 | 29 | 6 | 2 | 22 | 14 | 5 | 45 | 6 | 2 | 18 | 5 | 6 | 2 | 20 | 32 | 2 | 27 | 8.0 | 715. | 455. | 93.1 |
| BDQ (C) FPQ-6 | 6 | 2 | 16 | 29 | 6 | 2 | 22 | 14 | 5 | 45 | 6 | 2 | 18 | 5 | 6 | 2 | 20 | 32 | 2 | 27 | 8.0 | 715. | 455. | 93.1 |
| BDA (S) USB-30' | 6 | 2 | 16 | 29 | 6 | 2 | 22 | 14 | 5 | 45 | 6 | 2 | 18 | 5 | 6 | 2 | 20 | 32 | 2 | 27 | 8.0 | 715. | 456. | 93.1 |
| ANG (S) USB-30' | 6 | 2 | 18 | 31 | 6 | 2 | 24 | 45 | 6 | 13 | 6 | 2 | 19 | 45 | 6 | 2 | 23 | 32 | 3 | 46 | 11.0 | 708. | 378. | 93.1 |
| ASC (C) TPQ-18 | 6 | 2 | 31 | 45 | 6 | 2 | 38 | 48 | 7 | 3 | 6 | 2 | 32 | 55 | 6 | 2 | 37 | 50 | 4 | 54 | 43.3 | 538. | 136. | 93.2 |
| ACN (S) USB-30' | 6 | 2 | 31 | 46 | 6 | 2 | 38 | 49 | 7 | 2 | 6 | 2 | 32 | 56 | 6 | 2 | 37 | 50 | 4 | 54 | 43.6 | 541. | 135. | 93.2 |
| PRE (C) MPS-25M | 6 | 2 | 43 | 6 | 6 | 2 | 50 | 31 | 7 | 25 | 6 | 2 | 43 | 57 | 6 | 2 | 49 | 20 | 5 | 23 | 33.4 | 583. | 191. | 93.4 |
| TAN (C) FPS-16M | 6 | 2 | 49 | 12 | 6 | 2 | 52 | 15 | 3 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 805. | 805. | 93.4 |
| CRO (C) FPQ-6 | 6 | 3 | 2 | 25 | 6 | 3 | 10 | 11 | 7 | 45 | 6 | 3 | 3 | 31 | 6 | 3 | 8 | 57 | 5 | 25 | 18.7 | 813. | 341. | 93.6 |
| CRO (S) USB-30' | 6 | 3 | 2 | 25 | 6 | 3 | 10 | 11 | 7 | 45 | 6 | 3 | 3 | 31 | 6 | 3 | 8 | 57 | 5 | 25 | 18.7 | 813. | 341. | 93.6 |
| GWM (S) USB-30' | 6 | 3 | 15 | 48 | 6 | 3 | 20 | 53 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 754. | 705. | 93.7 |
| HAW (C) FPS-16M | 6 | 3 | 28 | 9 | 6 | 3 | 34 | 44 | 6 | 34 | 6 | 3 | 29 | 35 | 6 | 3 | 33 | 26 | 3 | 51 | 10.7 | 719. | 437. | 93.8 |
| HAW (S) USB-30' | 6 | 3 | 28 | 9 | 6 | 3 | 34 | 44 | 6 | 34 | 6 | 3 | 29 | 35 | 6 | 3 | 33 | 26 | 3 | 51 | 10.7 | 719. | 437. | 93.8 |
| CAL (C) FPS-16 | 6 | 3 | 37 | 8 | 6 | 3 | 44 | 13 | 7 | 4 | 6 | 3 | 38 | 3 | 6 | 3 | 43 | 2 | 4 | 58 | 32.4 | 579. | 176. | 93.9 |
| GDS (S) USB-85' | 6 | 3 | 37 | 52 | 6 | 3 | 44 | 49 | 6 | 56 | 6 | 3 | 39 | 5 | 6 | 3 | 43 | 51 | 4 | 45 | 23.2 | 604. | 231. | 93.9 |
| GYM (S) USB-30' | 6 | 3 | 39 | 33 | 6 | 3 | 46 | 31 | 6 | 57 | 6 | 3 | 40 | 44 | 6 | 3 | 45 | 22 | 4 | 38 | 24.2 | 531. | 220. | 94.0 |
| WHS (C) FPS-16M | 6 | 3 | 40 | 13 | 6 | 3 | 47 | 7 | 6 | 54 | 6 | 3 | 41 | 15 | 6 | 3 | 46 | 20 | 5 | 5 | 22.9 | 787. | 229. | 94.0 |
| TEX (S) USB-30' | 6 | 3 | 42 | 30 | 6 | 3 | 49 | 28 | 6 | 57 | 6 | 3 | 43 | 24 | 6 | 3 | 48 | 38 | 5 | 14 | 19.8 | 718. | 255. | 94.0 |
| MIL (S) USB-30' | 6 | 3 | 46 | 22 | 6 | 3 | 52 | 25 | 6 | 3 | 6 | 3 | 47 | 45 | 6 | 3 | 51 | 4 | 3 | 18 | 10.1 | 685. | 399. | 94.0 |
| PAT (C) FPQ-6 | 6 | 3 | 46 | 23 | 6 | 3 | 52 | 30 | 6 | 6 | 6 | 3 | 47 | 44 | 6 | 3 | 51 | 11 | 3 | 27 | 10.5 | 688. | 390. | 94.0 |
| GBI (C) TPQ-18 | 6 | 3 | 47 | 4 | 6 | 3 | 53 | 9 | 6 | 4 | 6 | 3 | 48 | 12 | 6 | 3 | 52 | 1 | 3 | 48 | 9.4 | 774. | 412. | 94.0 |
| GBM (S) USB-30' | 6 | 3 | 47 | 4 | 6 | 3 | 53 | 9 | 6 | 4 | 6 | 3 | 48 | 13 | 6 | 3 | 52 | 1 | 3 | 47 | 9.4 | 773. | 411. | 94.0 |
| ANG (S) USB-30' | 6 | 3 | 51 | 36 | 6 | 3 | 57 | 54 | 6 | 18 | 6 | 3 | 52 | 53 | 6 | 3 | 56 | 38 | 3 | 45 | 12.8 | 634. | 337. | 94.1 |
| ASC (C) TPQ-18 | 6 | 4 | 6 | 19 | 6 | 4 | 10 | 43 | 4 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 727. | 662. | 94.2 |
| ACN (S) USB-30' | 6 | 4 | 6 | 21 | 6 | 4 | 10 | 43 | 4 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.2 | 731. | 664. | 94.2 |
| PRE (C) MPS-25M | 6 | 4 | 16 | 48 | 6 | 4 | 23 | 41 | 6 | 52 | 6 | 4 | 18 | 2 | 6 | 4 | 22 | 20 | 4 | 18 | 10.5 | 835. | 468. | 94.4 |
| TAN (C) FPS-16M | 6 | 4 | 23 | 30 | 6 | 4 | 26 | 13 | 2 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 837. | 837. | 94.4 |
| GWM (S) USB-30' | 6 | 4 | 47 | 28 | 6 | 4 | 55 | 11 | 7 | 42 | 6 | 4 | 48 | 35 | 6 | 4 | 54 | 20 | 5 | 45 | 43.8 | 858. | 164. | 94.7 |
| HAW (C) FPS-16M | 6 | 5 | 2 | 55 | 6 | 5 | 7 | 25 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.5 | 833. | 658. | 94.8 |
| HAW (S) USB-30' | 6 | 5 | 2 | 55 | 6 | 5 | 7 | 25 | 4 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.5 | 833. | 658. | 94.8 |
| CAL (C) FPS-16 | 6 | 5 | 10 | 29 | 6 | 5 | 16 | 40 | 6 | 11 | 6 | 5 | 11 | 47 | 6 | 5 | 15 | 25 | 3 | 37 | 10.4 | 719. | 401. | 94.9 |
| GDS (S) USB-85' | 6 | 5 | 11 | 29 | 6 | 5 | 16 | 59 | 5 | 30 | 6 | 5 | 13 | 2 | 6 | 5 | 15 | 26 | 2 | 23 | 6.3 | 563. | 511. | 94.9 |
| GYM (S) USB-30' | 6 | 5 | 12 | 54 | 6 | 5 | 19 | 35 | 6 | 40 | 6 | 5 | 13 | 47 | 6 | 5 | 18 | 38 | 4 | 51 | 17.4 | 786. | 274. | 95.0 |
| WHS (C) FPS-16M | 6 | 5 | 14 | 2 | 6 | 5 | 19 | 11 | 5 | 8 | 6 | 5 | 16 | 37 | 6 | 5 | 17 | 15 | 0 | 38 | 5.6 | 770. | 530. | 95.0 |
| TEX (S) USB-30' | 6 | 5 | 16 | 16 | 6 | 5 | 21 | 39 | 5 | 22 | 6 | 5 | 18 | 17 | 6 | 5 | 19 | 43 | 1 | 26 | 6.6 | 691. | 491. | 95.0 |
| PRE (C) MPS-25M | 6 | 5 | 50 | 14 | 6 | 5 | 57 | 25 | 7 | 10 | 6 | 5 | 51 | 32 | 6 | 5 | 56 | 10 | 4 | 38 | 12.2 | 856. | 439. | 95.4 |
| TAN (C) FPS-16M | 6 | 5 | 55 | 34 | 6 | 6 | 1 | 59 | 6 | 24 | 6 | 5 | 57 | 16 | 6 | 6 | 0 | 11 | 2 | 54 | 7.9 | 773. | 565. | 95.4 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GWM (S) USB-30' | 6 | 6 | 22 | 32 | 6 | 6 | 27 | 0 | 4 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 819. | 709. | 95.6 |
| HAW (C) FPS-16M | 6 | 6 | 36 | 35 | 6 | 6 | 41 | 26 | 4 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 758. | 592. | 95.8 |
| HAW (S) USB-30' | 6 | 6 | 36 | 35 | 6 | 6 | 41 | 26 | 4 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 758. | 592. | 95.8 |
| GYM (S) USB-30' | 6 | 6 | 48 | 32 | 6 | 6 | 49 | 31 | 0 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 762. | 762. | 95.9 |
| PRE (C) MPS-25M | 6 | 7 | 23 | 17 | 6 | 7 | 31 | 12 | 7 | 54 | 6 | 7 | 24 | 17 | 6 | 7 | 30 | 17 | 5 | 59 | 51.5 | 898. | 154. | 96.4 |
| TAN (C) FPS-16M | 6 | 7 | 28 | 6 | 6 | 7 | 36 | 12 | 8 | 6 | 6 | 7 | 29 | 11 | 6 | 7 | 35 | 1 | 5 | 49 | 28.8 | 738. | 241. | 96.4 |
| HAW (C) FPS-16M | 6 | 8 | 9 | 15 | 6 | 8 | 15 | 53 | 6 | 38 | 6 | 8 | 10 | 17 | 6 | 8 | 14 | 46 | 4 | 29 | 17.6 | 633. | 271. | 96.8 |
| HAW (S) USB-30' | 6 | 8 | 9 | 14 | 6 | 8 | 15 | 53 | 6 | 38 | 6 | 8 | 10 | 17 | 6 | 8 | 14 | 46 | 4 | 29 | 17.6 | 633. | 271. | 96.8 |
| RED (S) USB-30' | 6 | 8 | 12 | 30 | 6 | 8 | 18 | 28 | 5 | 58 | 6 | 8 | 13 | 55 | 6 | 8 | 17 | 5 | 3 | 10 | 9.3 | 704. | 415. | 96.9 |
| PRE (C) MPS-25M | 6 | 8 | 56 | 52 | 6 | 9 | 3 | 46 | 6 | 53 | 6 | 8 | 58 | 12 | 6 | 9 | 2 | 21 | 4 | 8 | 10.1 | 894. | 502. | 97.3 |
| TAN (C) FPS-16M | 6 | 9 | 2 | 32 | 6 | 9 | 7 | 42 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 851. | 696. | 97.4 |
| HAW (C) FPS-16M | 6 | 9 | 42 | 35 | 6 | 9 | 48 | 39 | 6 | 4 | 6 | 9 | 43 | 50 | 6 | 9 | 47 | 24 | 3 | 34 | 10.4 | 711. | 385. | 97.8 |
| HAW (S) USB-30' | 6 | 9 | 42 | 35 | 6 | 9 | 48 | 39 | 6 | 4 | 6 | 9 | 43 | 50 | 6 | 9 | 47 | 24 | 3 | 34 | 10.4 | 711. | 385. | 97.8 |
| RED (S) USB-30' | 6 | 9 | 45 | 24 | 6 | 9 | 51 | 47 | 6 | 22 | 6 | 9 | 46 | 33 | 6 | 9 | 50 | 37 | 4 | 3 | 13.9 | 654. | 317. | 97.8 |
| ASC (C) TPQ-18 | 6 | 11 | 56 | 7 | 6 | 12 | 3 | 15 | 7 | 7 | 6 | 11 | 57 | 29 | 6 | 12 | 2 | 1 | 4 | 31 | 11.8 | 884. | 459. | 99.2 |
| ACN (S) USB-30' | 6 | 11 | 56 | 8 | 6 | 12 | 3 | 16 | 7 | 7 | 6 | 11 | 57 | 30 | 6 | 12 | 2 | 2 | 4 | 32 | 11.8 | 879. | 459. | 99.2 |
| GWM (S) USB-30' | 6 | 12 | 38 | 6 | 6 | 12 | 43 | 56 | 5 | 50 | 6 | 12 | 39 | 43 | 6 | 12 | 42 | 20 | 2 | 37 | 8.8 | 635. | 424. | 99.7 |
| HTV (S) USB-30' | 6 | 12 | 47 | 34 | 6 | 12 | 51 | 21 | 3 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 757. | 650. | 99.7 |
| MER (S) USB-30' | 6 | 12 | 54 | 43 | 6 | 13 | 0 | 53 | 6 | 10 | 6 | 12 | 56 | 0 | 6 | 12 | 59 | 36 | 3 | 35 | 9.3 | 752. | 435. | 99.8 |
| ASC (C) TPQ-18 | 6 | 13 | 29 | 11 | 6 | 13 | 36 | 30 | 7 | 19 | 6 | 13 | 30 | 20 | 6 | 13 | 35 | 15 | 4 | 54 | 16.2 | 629. | 367. | 100.2 |
| ACN (S) USB-30' | 6 | 13 | 29 | 12 | 6 | 13 | 36 | 31 | 7 | 19 | 6 | 13 | 30 | 22 | 6 | 13 | 35 | 15 | 4 | 53 | 16.1 | 626. | 368. | 100.2 |
| GWM (S) USB-30' | 6 | 14 | 11 | 1 | 6 | 14 | 17 | 14 | 6 | 13 | 6 | 14 | 12 | 1 | 6 | 14 | 16 | 12 | 4 | 10 | 11.1 | 786. | 369. | 100.7 |
| HTV (S) USB-30' | 6 | 14 | 19 | 3 | 6 | 14 | 25 | 53 | 6 | 49 | 6 | 14 | 19 | 52 | 6 | 14 | 24 | 50 | 4 | 58 | 22.2 | 656. | 232. | 100.7 |
| MER (S) USB-30' | 6 | 14 | 27 | 17 | 6 | 14 | 34 | 27 | 7 | 10 | 6 | 14 | 28 | 16 | 6 | 14 | 33 | 14 | 4 | 57 | 24.4 | 582. | 235. | 100.8 |
| CYI (C) MPS26 | 6 | 15 | 8 | 41 | 6 | 15 | 12 | 45 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 850. | 749. | 101.2 |
| CYI (S) USB-30' | 6 | 15 | 8 | 41 | 6 | 15 | 12 | 45 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 850. | 749. | 101.2 |
| MER (S) USB-30' | 6 | 16 | 1 | 32 | 6 | 16 | 7 | 9 | 5 | 36 | 6 | 16 | 4 | 20 | 6 | 16 | 5 | 12 | 0 | 51 | 5.4 | 873. | 614. | 101.8 |
| CYI (C) MPS26 | 6 | 16 | 39 | 46 | 6 | 16 | 47 | 12 | 7 | 25 | 6 | 16 | 41 | 1 | 6 | 16 | 46 | 20 | 5 | 18 | 26.7 | 833. | 233. | 102.2 |
| CYI (S) USB-30' | 6 | 16 | 39 | 46 | 6 | 16 | 47 | 12 | 7 | 25 | 6 | 16 | 41 | 1 | 6 | 16 | 46 | 20 | 5 | 18 | 26.6 | 833. | 233. | 102.2 |
| MAD (S) USB-85' | 6 | 16 | 44 | 46 | 6 | 16 | 49 | 14 | 4 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 829. | 681. | 102.3 |
| HSK (S) USB-85' | 6 | 17 | 25 | 34 | 6 | 17 | 29 | 37 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 780. | 693. | 102.7 |
| MER (S) USB-30' | 6 | 17 | 35 | 36 | 6 | 17 | 40 | 41 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 714. | 709. | 102.8 |
| ANG (S) USB-30' | 6 | 18 | 1 | 43 | 6 | 18 | 9 | 13 | 7 | 30 | 6 | 18 | 2 | 57 | 6 | 18 | 8 | 16 | 5 | 19 | 22.9 | 854. | 274. | 103.1 |
| VAN (S) USB-30' | 6 | 18 | 7 | 55 | 6 | 18 | 13 | 48 | 5 | 53 | 6 | 18 | 9 | 57 | 6 | 18 | 11 | 53 | 1 | 56 | 7.0 | 747. | 555. | 103.2 |
| CYI (C) MPS26 | 6 | 18 | 13 | 9 | 6 | 18 | 20 | 20 | 7 | 11 | 6 | 18 | 14 | 9 | 6 | 18 | 19 | 7 | 4 | 57 | 23.2 | 588. | 248. | 103.2 |
| CYI (S) USB-30' | 6 | 18 | 13 | 9 | 6 | 18 | 20 | 20 | 7 | 11 | 6 | 18 | 14 | 9 | 6 | 18 | 19 | 7 | 4 | 57 | 23.2 | 587. | 248. | 103.2 |
| MAD (S) USB-85' | 6 | 18 | 16 | 35 | 6 | 18 | 22 | 34 | 5 | 58 | 6 | 18 | 18 | 10 | 6 | 18 | 21 | 7 | 2 | 56 | 7.8 | 778. | 498. | 103.3 |
| CRO (C) FPQ-6 | 6 | 18 | 48 | 59 | 6 | 18 | 54 | 58 | 5 | 58 | 6 | 18 | 50 | 19 | 6 | 18 | 53 | 35 | 3 | 16 | 7.7 | 802. | 480. | 103.6 |
| CRO (S) USB-30' | 6 | 18 | 49 | 0 | 6 | 18 | 54 | 58 | 5 | 58 | 6 | 18 | 50 | 19 | 6 | 18 | 53 | 35 | 3 | 15 | 7.7 | 803. | 480. | 103.6 |
| HSK (S) USB-85' | 6 | 18 | 55 | 46 | 6 | 19 | 3 | 46 | 6 | 59 | 6 | 18 | 57 | 43 | 6 | 19 | 2 | 36 | 4 | 47 | 13.8 | 800. | 378. | 103.7 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MER (S) USB-30' | 6 | 19 | 8 | 23 | 6 | 19 | 15 | 16 | 6 | 53 | 6 | 19 | 9 | 46 | 6 | 19 | 13 | 55 | 4 | 9 | 10.0 | 881. | 493. | 103.8 |
| MIL (S) USB-30' | 6 | 19 | 33 | 50 | 6 | 19 | 38 | 17 | 4 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 750. | 741. | 104.0 |
| PAT (C) FPQ-6 | 6 | 19 | 33 | 43 | 6 | 19 | 38 | 22 | 4 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 733. | 726. | 104.0 |
| GBI (C) TPQ-18 | 6 | 19 | 33 | 17 | 6 | 19 | 39 | 18 | 6 | 1 | 6 | 19 | 34 | 54 | 6 | 19 | 37 | 38 | 2 | 44 | 6.8 | 836. | 570. | 104.1 |
| GBM (S) USB-30' | 6 | 19 | 33 | 17 | 6 | 19 | 39 | 19 | 6 | 1 | 6 | 19 | 34 | 54 | 6 | 19 | 37 | 39 | 2 | 44 | 6.8 | 835. | 569. | 104.1 |
| BDA (C) FPS-16M | 6 | 19 | 36 | 37 | 6 | 19 | 42 | 46 | 6 | 9 | 6 | 19 | 38 | 13 | 6 | 19 | 41 | 17 | 3 | 4 | 7.6 | 815. | 535. | 104.1 |
| BDQ (C) FPQ-6 | 6 | 19 | 36 | 37 | 6 | 19 | 42 | 46 | 6 | 9 | 6 | 19 | 38 | 13 | 6 | 19 | 41 | 17 | 3 | 4 | 7.6 | 815. | 535. | 104.1 |
| BCA (S) USB-30' | 6 | 19 | 36 | 37 | 6 | 19 | 42 | 46 | 6 | 8 | 6 | 19 | 38 | 13 | 6 | 19 | 41 | 17 | 3 | 4 | 7.6 | 815. | 535. | 104.1 |
| ANG (S) USB-30' | 6 | 19 | 35 | 19 | 6 | 19 | 42 | 2 | 6 | 42 | 6 | 19 | 36 | 39 | 6 | 19 | 40 | 37 | 3 | 57 | 11.1 | 694. | 438. | 104.1 |
| VAN (S) USB-30' | 6 | 19 | 39 | 58 | 6 | 19 | 47 | 20 | 7 | 22 | 6 | 19 | 41 | 7 | 6 | 19 | 46 | 29 | 5 | 21 | 25.8 | 791. | 232. | 104.2 |
| CYI (C) MPS26 | 6 | 19 | 46 | 48 | 6 | 19 | 53 | 25 | 6 | 36 | 6 | 19 | 47 | 56 | 6 | 19 | 52 | 18 | 4 | 22 | 11.5 | 805. | 392. | 104.2 |
| CYI (S) USB-30' | 6 | 19 | 46 | 48 | 6 | 19 | 53 | 25 | 6 | 36 | 6 | 19 | 47 | 56 | 6 | 19 | 52 | 18 | 4 | 22 | 11.5 | 805. | 392. | 104.2 |
| MAD (S) USB-85' | 6 | 19 | 49 | 29 | 6 | 19 | 54 | 57 | 5 | 28 | 6 | 19 | 51 | 29 | 6 | 19 | 53 | 19 | 1 | 49 | 5.8 | 591. | 542. | 104.2 |
| CRO (C) FPQ-6 | 6 | 20 | 21 | 18 | 6 | 20 | 28 | 37 | 7 | 19 | 6 | 20 | 22 | 16 | 6 | 20 | 27 | 30 | 5 | 14 | 37.7 | 537. | 166. | 104.6 |
| CRO (S) USB-30' | 6 | 20 | 21 | 18 | 6 | 20 | 28 | 37 | 7 | 19 | 6 | 20 | 22 | 16 | 6 | 20 | 27 | 30 | 5 | 14 | 37.9 | 537. | 165. | 104.6 |
| HSK (S) USB-85' | 6 | 20 | 29 | 22 | 6 | 20 | 36 | 55 | 7 | 32 | 6 | 20 | 30 | 24 | 6 | 20 | 35 | 55 | 5 | 31 | 34.7 | 520. | 192. | 104.7 |
| MER (S) USB-30' | 6 | 20 | 41 | 11 | 6 | 20 | 49 | 1 | 7 | 50 | 6 | 20 | 42 | 7 | 6 | 20 | 48 | 8 | 6 | 1 | 70.9 | 501. | 128. | 104.8 |
| TEX (S) USB-30' | 6 | 21 | 2 | 10 | 6 | 21 | 8 | 29 | 6 | 18 | 6 | 21 | 3 | 49 | 6 | 21 | 6 | 58 | 3 | 8 | 8.6 | 746. | 511. | 105.0 |
| MIL (S) USB-30' | 6 | 21 | 5 | 10 | 6 | 21 | 12 | 37 | 7 | 26 | 6 | 21 | 6 | 8 | 6 | 21 | 11 | 32 | 5 | 24 | 35.5 | 534. | 183. | 105.1 |
| PAT (C) FPQ-6 | 6 | 21 | 5 | 9 | 6 | 21 | 12 | 37 | 7 | 28 | 6 | 21 | 6 | 6 | 6 | 21 | 11 | 33 | 5 | 27 | 39.0 | 531. | 170. | 105.1 |
| GBI (C) TPQ-18 | 6 | 21 | 5 | 23 | 6 | 21 | 12 | 56 | 7 | 32 | 6 | 21 | 6 | 27 | 6 | 21 | 12 | 3 | 5 | 36 | 65.2 | 531. | 120. | 105.1 |
| GBM (S) USB-30' | 6 | 21 | 5 | 24 | 6 | 21 | 12 | 56 | 7 | 32 | 6 | 21 | 6 | 27 | 6 | 21 | 12 | 4 | 5 | 36 | 64.5 | 532. | 121. | 105.1 |
| BDA (C) FPS-16M | 6 | 21 | 8 | 56 | 6 | 21 | 16 | 18 | 7 | 21 | 6 | 21 | 9 | 49 | 6 | 21 | 15 | 6 | 5 | 17 | 35.1 | 854. | 178. | 105.1 |
| BDQ (C) FPQ-6 | 6 | 21 | 8 | 56 | 6 | 21 | 16 | 18 | 7 | 21 | 6 | 21 | 9 | 49 | 6 | 21 | 15 | 6 | 5 | 17 | 35.1 | 854. | 178. | 105.1 |
| BCA (S) USB-30' | 6 | 21 | 8 | 56 | 6 | 21 | 16 | 18 | 7 | 21 | 6 | 21 | 9 | 49 | 6 | 21 | 15 | 6 | 5 | 17 | 35.0 | 854. | 179. | 105.1 |
| VAN (S) USB-30' | 6 | 21 | 13 | 11 | 6 | 21 | 20 | 29 | 7 | 17 | 6 | 21 | 14 | 7 | 6 | 21 | 19 | 23 | 5 | 15 | 53.1 | 529. | 126. | 105.2 |
| CYI (C) MPS26 | 6 | 21 | 19 | 55 | 6 | 21 | 26 | 53 | 6 | 58 | 6 | 21 | 21 | 6 | 6 | 21 | 25 | 59 | 4 | 53 | 27.8 | 602. | 195. | 105.2 |
| CYI (S) USB-30' | 6 | 21 | 19 | 55 | 6 | 21 | 26 | 53 | 6 | 58 | 6 | 21 | 21 | 6 | 6 | 21 | 25 | 59 | 4 | 53 | 27.8 | 602. | 195. | 105.2 |
| MAD (S) USB-85' | 6 | 21 | 24 | 36 | 6 | 21 | 25 | 17 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .3 | 786. | 786. | 105.2 |
| TAN (C) FPS-16M | 6 | 21 | 43 | 1 | 6 | 21 | 43 | 5 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | 795. | 795. | 105.4 |
| CRO (C) FPQ-6 | 6 | 21 | 55 | 6 | 6 | 22 | 1 | 36 | 6 | 29 | 6 | 21 | 56 | 25 | 6 | 22 | 0 | 9 | 3 | 43 | 9.1 | 793. | 490. | 105.6 |
| CRO (S) USB-30' | 6 | 21 | 55 | 6 | 6 | 22 | 1 | 36 | 6 | 29 | 6 | 21 | 56 | 25 | 6 | 22 | 0 | 9 | 3 | 44 | 9.1 | 792. | 489. | 105.6 |
| HSK (S) USB-85' | 6 | 22 | 2 | 22 | 6 | 22 | 9 | 49 | 7 | 26 | 6 | 22 | 3 | 28 | 6 | 22 | 8 | 40 | 5 | 11 | 15.0 | 766. | 381. | 105.7 |
| MER (S) USB-30' | 6 | 22 | 15 | 33 | 6 | 22 | 20 | 26 | 4 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.2 | 750. | 746. | 105.8 |
| RED (S) USB-30' | 6 | 22 | 24 | 2 | 6 | 22 | 27 | 21 | 3 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 870. | 819. | 105.9 |
| EDS (S) USB-85' | 6 | 22 | 34 | 14 | 6 | 22 | 35 | 59 | 1 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 828. | 828. | 105.9 |
| GYM (S) USB-30' | 6 | 22 | 31 | 49 | 6 | 22 | 39 | 0 | 7 | 10 | 6 | 22 | 33 | 6 | 6 | 22 | 38 | 0 | 4 | 54 | 18.0 | 652. | 318. | 106.0 |
| WHS (C) FPS-16M | 6 | 22 | 33 | 32 | 6 | 22 | 40 | 7 | 6 | 34 | 6 | 22 | 34 | 56 | 6 | 22 | 38 | 41 | 3 | 44 | 10.9 | 671. | 438. | 106.0 |
| TEX (S) USB-30' | 6 | 22 | 34 | 29 | 6 | 22 | 42 | 3 | 7 | 34 | 6 | 22 | 35 | 26 | 6 | 22 | 40 | 58 | 5 | 32 | 30.1 | 774. | 206. | 106.0 |
| MIL (S) USB-30' | 6 | 22 | 38 | 23 | 6 | 22 | 45 | 35 | 7 | 12 | 6 | 22 | 39 | 26 | 6 | 22 | 44 | 36 | 5 | 10 | 16.4 | 741. | 322. | 106.1 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| PAT (C) FPQ-6 | 6 22 38 24 | 6 22 45 34 | 7 9 | 6 22 39 28 | 6 22 44 35 | 5 6 | 15.6 | 748. | 332. | 106.1 |
| GBI (C) TPQ-18 | 6 22 39 7 | 6 22 45 53 | 6 46 | 6 22 40 15 | 6 22 44 39 | 4 23 | 13.5 | 684. | 367. | 106.1 |
| GBM (S) USB-30' | 6 22 39 7 | 6 22 45 53 | 6 46 | 6 22 40 16 | 6 22 44 39 | 4 23 | 13.5 | 683. | 367. | 106.1 |
| BCA (C) FPS-16M | 6 22 41 58 | 6 22 49 12 | 7 13 | 6 22 43 6 | 6 22 48 25 | 5 18 | 30.6 | 794. | 192. | 106.1 |
| BDQ (C) FPQ-6 | 6 22 41 58 | 6 22 49 12 | 7 13 | 6 22 43 6 | 6 22 48 25 | 5 18 | 30.6 | 794. | 192. | 106.1 |
| BCA (S) USB-30' | 6 22 41 58 | 6 22 49 12 | 7 13 | 6 22 43 6 | 6 22 48 25 | 5 18 | 30.6 | 794. | 192. | 106.1 |
| VAN (S) USB-30' | 6 22 46 22 | 6 22 53 26 | 7 4 | 6 22 47 19 | 6 22 52 37 | 5 18 | 21.5 | 731. | 245. | 106.2 |
| CYI (C) MPS26 | 6 22 53 18 | 6 22 59 36 | 6 18 | 6 22 54 27 | 6 22 58 27 | 3 59 | 12.5 | 685. | 345. | 106.2 |
| CYI (S) USB-30' | 6 22 53 18 | 6 22 59 36 | 6 18 | 6 22 54 27 | 6 22 58 27 | 3 59 | 12.5 | 685. | 345. | 160.2 |
| TAN (C) FPS-16M | 6 23 12 39 | 6 23 19 39 | 7 0 | 6 23 13 28 | 6 23 18 42 | 5 14 | 19.5 | 724. | 264. | 106.4 |
| CRO (C) FPQ-6 | 6 23 28 39 | 6 23 35 12 | 6 32 | 6 23 30 5 | 6 23 33 46 | 3 40 | 8.4 | 882. | 522. | 106.6 |
| CRO (S) USB-30' | 6 23 28 39 | 6 23 35 12 | 6 33 | 6 23 30 5 | 6 23 33 46 | 3 40 | 8.5 | 881. | 521. | 106.6 |
| HSK (S) USB-85' | 6 23 36 5 | 6 23 41 32 | 5 27 | 6 23 38 57 | 6 23 39 6 | 0 9 | 5.1 | 840. | 656. | 106.7 |
| HTV (S) USB-30' | 6 23 43 6 | 6 23 50 34 | 7 27 | 6 23 44 10 | 6 23 49 21 | 5 10 | 18.9 | 615. | 329. | 106.7 |
| HAW (C) FPS-16M | 6 23 55 22 | 6 23 59 45 | 4 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.0 | 801. | 737. | 106.8 |
| HAW (S) USB-30' | 6 23 55 23 | 6 23 59 45 | 4 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.0 | 801. | 737. | 106.8 |
| RED (S) USB-30' | 6 23 54 41 | 7 0 2 27 | 7 45 | 6 23 55 36 | 7 0 1 19 | 5 42 | 42.4 | 837. | 167. | 106.9 |
| CAL (C) FPS-16 | 7 0 3 35 | 7 0 10 16 | 6 41 | 7 0 4 56 | 7 0 8 54 | 3 57 | 12.2 | 633. | 404. | 106.9 |
| GDS (S) USB-85' | 7 0 4 22 | 7 0 11 0 | 6 37 | 7 0 5 40 | 7 0 9 51 | 4 10 | 11.2 | 753. | 426. | 106.9 |
| GYM (S) USB-30' | 7 0 4 53 | 7 0 12 14 | 7 20 | 7 0 5 47 | 7 0 11 2 | 5 14 | 28.4 | 845. | 212. | 107.0 |
| WHS (C) FPS-16M | 7 0 5 58 | 7 0 13 21 | 7 22 | 7 0 7 7 | 7 0 12 31 | 5 23 | 28.6 | 782. | 210. | 107.0 |
| TEX (S) USB-30' | 7 0 8 1 | 7 0 14 55 | 6 53 | 7 0 9 16 | 7 0 13 51 | 4 34 | 15.4 | 669. | 335. | 107.0 |
| MIL (S) USB-30' | 7 0 11 53 | 7 0 18 45 | 6 52 | 7 0 13 9 | 7 0 17 40 | 4 31 | 17.4 | 624. | 296. | 107.0 |
| PAT (C) FPQ-6 | 7 0 11 56 | 7 0 18 45 | 6 48 | 7 0 13 12 | 7 0 17 39 | 4 26 | 16.1 | 636. | 313. | 107.0 |
| GBI (C) TPQ-18 | 7 0 12 45 | 7 0 19 5 | 6 19 | 7 0 14 0 | 7 0 17 55 | 3 54 | 9.4 | 810. | 443. | 107.1 |
| GBM (S) USB-30' | 7 0 12 45 | 7 0 19 5 | 6 19 | 7 0 14 1 | 7 0 17 55 | 3 54 | 9.4 | 808. | 444. | 107.1 |
| BCA (C) FPS-16M | 7 0 15 14 | 7 0 22 18 | 7 4 | 7 0 16 11 | 7 0 21 8 | 4 56 | 41.3 | 549. | 143. | 107.1 |
| BDO (C) FPQ-6 | 7 0 15 14 | 7 0 22 18 | 7 4 | 7 0 16 11 | 7 0 21 8 | 4 56 | 41.3 | 549. | 143. | 107.1 |
| BCA (S) USB-30' | 7 0 15 14 | 7 0 22 18 | 7 4 | 7 0 16 11 | 7 0 21 8 | 4 56 | 41.2 | 549. | 143. | 107.1 |
| ANG (S) USB-30' | 7 0 20 20 | 7 0 21 12 | 0 51 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 793. | 793. | 107.1 |
| VAN (S) USB-30' | 7 0 19 47 | 7 0 25 51 | 6 3 | 7 0 21 15 | 7 0 24 25 | 3 9 | 10.1 | 651. | 399. | 107.1 |
| PRE (C) MPS-25M | 7 0 42 47 | 7 0 49 7 | 6 19 | 7 0 43 56 | 7 0 47 57 | 4 1 | 10.2 | 827. | 410. | 107.4 |
| TAN (C) FPS-16M | 7 0 46 22 | 7 0 52 18 | 5 55 | 7 0 48 4 | 7 0 50 29 | 2 24 | 7.8 | 715. | 496. | 170.4 |
| CRO (C) FPQ-6 | 7 1 1 31 | 7 1 9 9 | 7 33 | 7 1 2 39 | 7 1 8 11 | 5 32 | 26.4 | 895. | 250. | 107.6 |
| CRO (S) USB-30' | 7 1 1 31 | 7 1 9 10 | 7 38 | 7 1 2 39 | 7 1 8 11 | 5 32 | 26.5 | 895. | 249. | 107.6 |
| HTV (S) USB-30' | 7 1 16 27 | 7 1 23 7 | 6 39 | 7 1 17 55 | 7 1 21 45 | 3 49 | 9.0 | 890. | 520. | 107.7 |
| HAW (C) FPS-16M | 7 1 26 36 | 7 1 34 15 | 7 39 | 7 1 27 32 | 7 1 33 3 | 5 31 | 35.1 | 808. | 187. | 107.8 |
| HAW (S) USB-30' | 7 1 26 36 | 7 1 34 15 | 7 39 | 7 1 27 32 | 7 1 33 3 | 5 31 | 35.1 | 808. | 187. | 107.8 |
| RED (S) USB-30' | 7 1 28 55 | 7 1 34 34 | 5 38 | 7 1 30 52 | 7 1 31 51 | 0 59 | 5.5 | 871. | 614. | 107.8 |
| CAL (C) FPS-16 | 7 1 36 7 | 7 1 43 18 | 7 10 | 7 1 37 12 | 7 1 42 14 | 5 1 | 22.7 | 831. | 250. | 107.9 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GDS (S) USB-85' | 7 | 1 | 37 | 4 | 7 | 1 | 44 | 4 | 6 | 59 | 7 | 1 | 37 | 58 | 7 | 1 | 42 | 59 | 5 | 1 | 27.5 | 822. | 209. | 107.9 |
| GYM (S) USB-30' | 7 | 1 | 38 | 27 | 7 | 1 | 45 | 8 | 6 | 41 | 7 | 1 | 39 | 37 | 7 | 1 | 43 | 58 | 4 | 20 | 15.5 | 824. | 325. | 108.0 |
| WHS (C) FPS-16M | 7 | 1 | 39 | 13 | 7 | 1 | 46 | 18 | 7 | 5 | 7 | 1 | 40 | 10 | 7 | 1 | 45 | 16 | 5 | 6 | 68.1 | 816. | 107. | 108.0 |
| TEX (S) USB-30' | 7 | 1 | 41 | 10 | 7 | 1 | 48 | 11 | 7 | 0 | 7 | 1 | 42 | 49 | 7 | 1 | 47 | 1 | 4 | 11 | 16.5 | 810. | 303. | 108.0 |
| MIL (S) USB-30' | 7 | 1 | 45 | 11 | 7 | 1 | 52 | 11 | 7 | 0 | 7 | 1 | 46 | 15 | 7 | 1 | 51 | 4 | 4 | 48 | 61.7 | 823. | 107. | 108.1 |
| PAT (C) FPQ-6 | 7 | 1 | 45 | 13 | 7 | 1 | 52 | 13 | 6 | 59 | 7 | 1 | 46 | 18 | 7 | 1 | 51 | 4 | 4 | 45 | 55.0 | 825. | 114. | 108.1 |
| GBI (C) TPQ-18 | 7 | 1 | 45 | 53 | 7 | 1 | 52 | 48 | 6 | 54 | 7 | 1 | 46 | 59 | 7 | 1 | 51 | 47 | 4 | 47 | 35.1 | 823. | 159. | 108.1 |
| GBM (S) USB-30' | 7 | 1 | 45 | 54 | 7 | 1 | 52 | 48 | 6 | 54 | 7 | 1 | 46 | 59 | 7 | 1 | 51 | 47 | 4 | 47 | 35.1 | 816. | 159. | 108.1 |
| BDA (C) FPS-16M | 7 | 1 | 48 | 50 | 7 | 1 | 54 | 27 | 5 | 36 | 7 | 1 | 50 | 26 | 7 | 1 | 52 | 36 | 2 | 9 | 7.1 | 807. | 490. | 108.1 |
| BDQ (C) FPQ-6 | 7 | 1 | 48 | 50 | 7 | 1 | 54 | 27 | 5 | 36 | 7 | 1 | 50 | 26 | 7 | 1 | 52 | 36 | 2 | 9 | 7.1 | 807. | 490. | 108.1 |
| BDA (S) USB-30' | 7 | 1 | 48 | 50 | 7 | 1 | 54 | 27 | 5 | 36 | 7 | 1 | 50 | 26 | 7 | 1 | 52 | 36 | 2 | 9 | 7.1 | 807. | 490. | 108.1 |
| ANG (S) USB-30' | 7 | 1 | 50 | 41 | 7 | 1 | 57 | 11 | 6 | 30 | 7 | 1 | 51 | 47 | 7 | 1 | 56 | 6 | 4 | 18 | 12.2 | 829. | 366. | 108.1 |
| ASC (C) TPQ-18 | 7 | 2 | 3 | 33 | 7 | 2 | 12 | 1 | 8 | 27 | 7 | 2 | 4 | 35 | 7 | 2 | 10 | 52 | 6 | 16 | 49.6 | 846. | 171. | 108.2 |
| ACN (S) USB-30' | 7 | 2 | 3 | 34 | 7 | 2 | 12 | 2 | 8 | 27 | 7 | 2 | 4 | 36 | 7 | 2 | 10 | 52 | 6 | 15 | 49.1 | 843. | 172. | 108.2 |
| PRE (C) MPS-25M | 7 | 2 | 14 | 40 | 7 | 2 | 24 | 25 | 9 | 45 | 7 | 2 | 15 | 40 | 7 | 2 | 23 | 6 | 7 | 25 | 46.5 | 983. | 241. | 108.4 |
| TAN (C) FPS-16M | 7 | 2 | 20 | 6 | 7 | 2 | 27 | 22 | 7 | 16 | 7 | 2 | 22 | 22 | 7 | 2 | 25 | 12 | 2 | 50 | 6.4 | 1154. | 842. | 108.4 |
| CRO (C) FPQ-6 | 7 | 2 | 34 | 33 | 7 | 2 | 44 | 39 | 10 | 5 | 7 | 2 | 35 | 45 | 7 | 2 | 43 | 26 | 7 | 40 | 28.1 | 1107. | 396. | 108.6 |
| CRO (S) USB-30' | 7 | 2 | 34 | 33 | 7 | 2 | 44 | 39 | 10 | 5 | 7 | 2 | 35 | 45 | 7 | 2 | 43 | 26 | 7 | 40 | 28.0 | 1108. | 396. | 108.6 |
| GWM (S) USB-30' | 7 | 2 | 48 | 7 | 7 | 2 | 55 | 48 | 7 | 40 | 7 | 2 | 49 | 50 | 7 | 2 | 54 | 13 | 4 | 22 | 8.7 | 957. | 676. | 108.7 |
| HAW (C) FPS-16M | 7 | 3 | 1 | 52 | 7 | 3 | 8 | 45 | 6 | 53 | 7 | 3 | 3 | 23 | 7 | 3 | 7 | 28 | 4 | 5 | 11.1 | 726. | 464. | 108.8 |
| HAW (S) USB-30' | 7 | 3 | 1 | 52 | 7 | 3 | 8 | 45 | 6 | 53 | 7 | 3 | 3 | 22 | 7 | 3 | 7 | 28 | 4 | 5 | 11.1 | 726. | 464. | 108.8 |
| CAL (C) FPS-16 | 7 | 3 | 11 | 6 | 7 | 3 | 18 | 5 | 6 | 58 | 7 | 3 | 11 | 58 | 7 | 3 | 17 | 0 | 5 | 1 | 27.2 | 848. | 201. | 108.9 |
| GDS (S) USB-85' | 7 | 3 | 11 | 48 | 7 | 3 | 18 | 43 | 6 | 55 | 7 | 3 | 13 | 4 | 7 | 3 | 17 | 39 | 4 | 35 | 23.1 | 578. | 229. | 108.9 |
| GYM (S) USB-30' | 7 | 3 | 13 | 30 | 7 | 3 | 20 | 28 | 6 | 57 | 7 | 3 | 14 | 37 | 7 | 3 | 19 | 16 | 4 | 39 | 26.3 | 537. | 203. | 109.0 |
| WHS (C) FPS-16M | 7 | 3 | 14 | 10 | 7 | 3 | 21 | 2 | 6 | 52 | 7 | 3 | 15 | 15 | 7 | 3 | 20 | 10 | 4 | 55 | 24.5 | 635. | 214. | 109.0 |
| TEX (S) USB-30' | 7 | 3 | 16 | 25 | 7 | 3 | 23 | 23 | 6 | 58 | 7 | 3 | 17 | 21 | 7 | 3 | 22 | 35 | 5 | 13 | 23.9 | 762. | 218. | 109.0 |
| MIL (S) USB-30' | 7 | 3 | 20 | 19 | 7 | 3 | 26 | 20 | 6 | 0 | 7 | 3 | 21 | 51 | 7 | 3 | 24 | 46 | 2 | 55 | 9.2 | 672. | 433. | 109.0 |
| PAT (C) FPQ-6 | 7 | 3 | 20 | 20 | 7 | 3 | 26 | 26 | 6 | 5 | 7 | 3 | 21 | 48 | 7 | 3 | 24 | 56 | 3 | 7 | 9.6 | 674. | 422. | 109.0 |
| GBI (C) TPQ-18 | 7 | 3 | 21 | 0 | 7 | 3 | 27 | 6 | 6 | 6 | 7 | 3 | 22 | 13 | 7 | 3 | 25 | 51 | 3 | 37 | 8.7 | 790. | 446. | 109.0 |
| GBM (S) USB-30' | 7 | 3 | 21 | 0 | 7 | 3 | 27 | 6 | 6 | 6 | 7 | 3 | 22 | 14 | 7 | 3 | 25 | 51 | 3 | 37 | 8.7 | 792. | 448. | 109.0 |
| ANG (S) USB-30' | 7 | 3 | 25 | 27 | 7 | 3 | 32 | 5 | 6 | 37 | 7 | 3 | 26 | 40 | 7 | 3 | 30 | 42 | 4 | 1 | 11.8 | 707. | 406. | 109.1 |
| ASC (C) TPQ-18 | 7 | 3 | 39 | 30 | 7 | 3 | 46 | 8 | 6 | 37 | 7 | 3 | 41 | 35 | 7 | 3 | 43 | 55 | 2 | 19 | 6.6 | 925. | 725. | 109.2 |
| ACN (S) USB-30' | 7 | 3 | 39 | 32 | 7 | 3 | 46 | 8 | 6 | 35 | 7 | 3 | 41 | 41 | 7 | 3 | 43 | 53 | 2 | 12 | 6.5 | 925. | 727. | 109.2 |
| PRE (C) MPS-25M | 7 | 3 | 49 | 58 | 7 | 3 | 59 | 39 | 9 | 40 | 7 | 3 | 51 | 16 | 7 | 3 | 58 | 21 | 7 | 5 | 21.1 | 1104. | 472. | 109.4 |
| TAN (C) FPS-16M | 7 | 3 | 55 | 52 | 7 | 4 | 3 | 29 | 7 | 37 | 7 | 3 | 58 | 3 | 7 | 4 | 1 | 23 | 3 | 19 | 6.9 | 1154. | 856. | 109.4 |
| CRO (C) FPQ-6 | 7 | 4 | 11 | 52 | 7 | 4 | 16 | 31 | 4 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 1064. | 1037. | 109.5 |
| CRO (S) USB-30' | 7 | 4 | 11 | 52 | 7 | 4 | 16 | 31 | 4 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 1065. | 1038. | 109.5 |
| GWM (S) USB-30' | 7 | 4 | 22 | 20 | 7 | 4 | 31 | 5 | 8 | 44 | 7 | 4 | 23 | 30 | 7 | 4 | 30 | 12 | 6 | 42 | 45.0 | 926. | 205. | 109.7 |
| HAW (C) FPS-16M | 7 | 4 | 38 | 32 | 7 | 4 | 43 | 3 | 4 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 789. | 665. | 109.8 |
| HAW (S) USB-30' | 7 | 4 | 38 | 32 | 7 | 4 | 43 | 3 | 4 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 789. | 665. | 109.8 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| CAL (C) FPS-16 | 7 4 46 7 | 7 4 52 10 | 6 3 | 7 4 47 38 | 7 4 50 40 | 3 1 | 9.9 | 639. | 410. | 109.9 |
| GDS (S) USB-85' | 7 4 47 11 | 7 4 52 27 | 5 15 | 7 4 48 57 | 7 4 49 45 | 0 47 | 5.5 | 602. | 543. | 109.9 |
| GYM (S) USB-30' | 7 4 48 27 | 7 4 55 6 | 6 39 | 7 4 49 29 | 7 4 54 10 | 4 40 | 16.6 | 682. | 291. | 109.9 |
| WHS (C) FPS-16M | 7 4 49 47 | 7 4 54 36 | 4 48 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.8 | 623. | 613. | 109.9 |
| TEX (S) USB-30' | 7 4 51 58 | 7 4 57 10 | 5 12 | 7 4 54 51 | 7 4 55 12 | 0 21 | 5.3 | 829. | 568. | 110.0 |
| PRE (C) MPS-25M | 7 5 25 16 | 7 5 35 16 | 10 0 | 7 5 26 28 | 7 5 34 4 | 7 36 | 22.4 | 1179. | 470. | 110.4 |
| TAN (C) FPS-16M | 7 5 30 33 | 7 5 40 11 | 9 38 | 7 5 31 53 | 7 5 38 48 | 6 54 | 17.7 | 1104. | 552. | 110.4 |
| GWM (S) USB-30' | 7 5 59 34 | 7 6 4 18 | 4 44 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.9 | 808. | 798. | 110.6 |
| HAW (C) FPS-16M | 7 6 13 51 | 7 6 18 48 | 4 57 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.3 | 641. | 592. | 110.8 |
| HAW (S) USB-30' | 7 6 13 51 | 7 6 18 48 | 4 57 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.3 | 641. | 592. | 110.8 |
| PRE (C) MPS-25M | 7 7 0 11 | 7 7 10 46 | 10 35 | 7 7 1 21 | 7 7 9 37 | 8 16 | 63.9 | 1019. | 227. | 111.4 |
| TAN (C) FPS-16M | 7 7 5 19 | 7 7 15 41 | 10 21 | 7 7 6 28 | 7 7 14 37 | 8 8 | 55.9 | 1039. | 237. | 111.4 |
| HAW (C) FPS-16M | 7 7 48 3 | 7 7 54 55 | 6 52 | 7 7 49 12 | 7 7 53 56 | 4 44 | 24.6 | 597. | 211. | 111.8 |
| HAW (S) USB-30' | 7 7 48 3 | 7 7 54 55 | 6 52 | 7 7 49 12 | 7 7 53 56 | 4 44 | 24.6 | 597. | 211. | 111.8 |
| RED (S) USB-30' | 7 7 51 14 | 7 7 57 45 | 6 30 | 7 7 52 19 | 7 7 56 33 | 4 13 | 12.3 | 722. | 369. | 111.9 |
| PRE (C) MPS-25M | 7 8 35 40 | 7 8 44 50 | 9 9 | 7 8 37 8 | 7 8 43 29 | 6 20 | 14.3 | 946. | 608. | 112.3 |
| TAN (C) FPS-16M | 7 8 41 40 | 7 8 48 47 | 7 6 | 7 8 44 2 | 7 8 46 33 | 2 31 | 6.6 | 975. | 824. | 112.4 |
| HAW (C) FPS-16M | 7 9 23 17 | 7 9 29 11 | 5 54 | 7 9 24 41 | 7 9 27 44 | 3 2 | 7.1 | 839. | 511. | 112.8 |
| HAW (S) USB-30' | 7 9 23 17 | 7 9 29 11 | 5 53 | 7 9 24 41 | 7 9 27 43 | 3 2 | 7.1 | 839. | 511. | 112.8 |
| RED (S) USB-30' | 7 9 25 57 | 7 9 32 33 | 6 35 | 7 9 27 20 | 7 9 31 8 | 3 48 | 11.7 | 624. | 406. | 112.8 |
| ASC (C) TPQ-18 | 7 10 4 50 | 7 10 10 54 | 6 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.6 | 1171. | 1006. | 113.2 |
| ACN (S) USB-30' | 7 10 4 51 | 7 10 10 55 | 6 4 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.6 | 1173. | 1006. | 113.2 |
| ASC (C) TPQ-18 | 7 11 38 11 | 7 11 48 10 | 9 58 | 7 11 39 27 | 7 11 46 57 | 7 30 | 31.2 | 1020. | 352. | 114.2 |
| ACN (S) USB-30' | 7 11 38 13 | 7 11 48 11 | 9 58 | 7 11 39 28 | 7 11 46 58 | 7 30 | 31.2 | 1024. | 351. | 114.2 |
| GWM (S) USB-30' | 7 12 21 43 | 7 12 28 24 | 6 40 | 7 12 22 58 | 7 12 27 4 | 4 6 | 15.3 | 597. | 317. | 114.7 |
| HTV (S) USB-30' | 7 12 30 15 | 7 12 36 44 | 6 28 | 7 12 31 50 | 7 12 35 9 | 3 19 | 8.9 | 724. | 515. | 114.7 |
| MER (S) USB-30' | 7 12 37 43 | 7 12 46 21 | 8 38 | 7 12 38 53 | 7 12 45 1 | 6 8 | 22.5 | 838. | 346. | 114.8 |
| ASC (C) TPQ-18 | 7 13 13 39 | 7 13 22 27 | 8 48 | 7 13 15 7 | 7 13 21 5 | 5 58 | 13.8 | 897. | 566. | 115.2 |
| ACN (S) USB-30' | 7 13 13 40 | 7 13 22 28 | 8 47 | 7 13 15 9 | 7 13 21 6 | 5 57 | 13.8 | 901. | 566. | 115.2 |
| GWM (S) USB-30' | 7 13 56 38 | 7 14 2 59 | 6 21 | 7 13 58 0 | 7 14 1 36 | 3 35 | 9.3 | 750. | 463. | 115.6 |
| HTV (S) USB-30' | 7 14 4 14 | 7 14 12 21 | 8 6 | 7 14 5 22 | 7 14 11 1 | 5 39 | 17.0 | 784. | 383. | 115.7 |
| MER (S) USB-30' | 7 14 12 21 | 7 14 21 32 | 9 11 | 7 14 13 28 | 7 14 20 19 | 6 51 | 26.1 | 1066. | 357. | 115.8 |
| CYI (C) MPS26 | 7 14 54 18 | 7 15 1 13 | 6 55 | 7 14 56 6 | 7 14 59 39 | 3 33 | 7.8 | 948. | 655. | 116.2 |
| CYI (S) USB-30' | 7 14 54 18 | 7 15 1 13 | 6 55 | 7 14 56 6 | 7 14 59 39 | 3 33 | 7.8 | 948. | 655. | 116.2 |
| HTV (S) USB-30' | 7 15 42 16 | 7 15 44 54 | 2 37 | 0 0 0 0 | 0 0 0 0 | 0 0 | .9 | 987. | 987. | 116.7 |
| MER (S) USB-30' | 7 15 48 8 | 7 15 56 36 | 8 28 | 7 15 49 40 | 7 15 54 59 | 5 18 | 10.6 | 949. | 689. | 116.8 |
| ANG (S) USB-30' | 7 16 18 6 | 7 16 24 25 | 6 19 | 7 16 20 51 | 7 16 21 29 | 0 38 | 5.4 | 979. | 818. | 117.1 |
| VAN (S) USB-30' | 7 16 26 56 | 7 16 27 15 | 0 18 | 0 0 0 0 | 0 0 0 0 | 0 0 | .1 | 1012. | 1012. | 117.1 |
| CYI (C) MPS26 | 7 16 28 17 | 7 16 36 33 | 8 16 | 7 16 29 24 | 7 16 35 28 | 6 4 | 44.1 | 835. | 178. | 117.2 |
| CYI (S) USB-30' | 7 16 28 17 | 7 16 36 33 | 8 16 | 7 16 29 24 | 7 16 35 28 | 6 4 | 44.1 | 835. | 178. | 117.2 |

TABLE - 0 AND 5 ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY FOR MISSION D

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| MAD (S) USB-85' | 7 16 32 57 | 7 16 38 36 | 5 39 | 7 16 34 59 | 7 16 35 42 | 0 42 | 5.3 | 914. | 649. | 117.3 |
| HSK (S) USB-85' | 7 17 12 54 | 7 17 20 51 | 7 56 | 7 17 14 17 | 7 17 19 18 | 5 0 | 11.3 | 1003. | 611. | 117.7 |
| MER (S) USB-30' | 7 17 23 39 | 7 17 32 28 | 8 48 | 7 17 25 12 | 7 17 30 52 | 5 39 | 11.0 | 978. | 701. | 117.8 |
| BDA (C) FPS-16M | 7 17 56 4 | 7 17 59 10 | 3 5 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.2 | 988. | 947. | 118.1 |
| BDQ (C) FPQ-6 | 7 17 56 4 | 7 17 59 10 | 3 5 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.2 | 988. | 947. | 118.1 |
| BDA (S) USB-30' | 7 17 56 4 | 7 17 59 9 | 3 5 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.2 | 988. | 948. | 118.1 |
| ANG (S) USB-30' | 7 17 51 28 | 7 18 0 29 | 9 1 | 7 17 52 39 | 7 17 59 21 | 6 42 | 32.5 | 735. | 263. | 118.1 |
| VAN (S) USB-30' | 7 17 57 35 | 7 18 5 1 | 7 25 | 7 17 59 0 | 7 18 3 51 | 4 51 | 13.6 | 721. | 452. | 118.1 |
| CYI (C) MPS26 | 7 18 3 41 | 7 18 11 0 | 7 18 | 7 18 5 0 | 7 18 10 2 | 5 1 | 19.2 | 647. | 309. | 118.2 |
| CYI (S) USB-30' | 7 18 3 41 | 7 18 11 0 | 7 18 | 7 18 5 0 | 7 18 10 2 | 5 1 | 19.2 | 647. | 309. | 118.2 |
| MAD (S) USB-85' | 7 18 7 3 | 7 18 13 11 | 6 7 | 7 18 8 30 | 7 18 11 50 | 3 19 | 7.7 | 882. | 505. | 118.3 |
| CRO (C) FPQ-6 | 7 18 38 36 | 7 18 47 15 | 8 38 | 7 18 39 38 | 7 18 46 5 | 6 27 | 25.7 | 1073. | 329. | 118.6 |
| CRO (S) USB-30' | 7 18 38 37 | 7 18 47 15 | 8 38 | 7 18 39 38 | 7 18 46 6 | 6 27 | 25.7 | 1072. | 329. | 118.6 |
| HSK (S) USB-85' | 7 18 46 35 | 7 18 56 20 | 9 44 | 7 18 47 38 | 7 18 55 1 | 7 22 | 35.4 | 988. | 303. | 118.7 |
| MER (S) USB-30' | 7 18 58 28 | 7 19 8 38 | 10 9 | 7 18 59 40 | 7 19 7 21 | 7 40 | 26.9 | 1074. | 413. | 118.8 |
| TEX (S) USB-30' | 7 19 23 22 | 7 19 25 55 | 2 32 | 0 0 0 0 | 0 0 0 0 | 0 0 | .9 | 991. | 991. | 119.0 |
| MIL (S) USB-30' | 7 19 24 30 | 7 19 31 49 | 7 18 | 7 19 26 4 | 7 19 30 21 | 4 16 | 9.4 | 944. | 579. | 119.1 |
| PAT (C) FPQ-6 | 7 19 24 26 | 7 19 31 51 | 7 24 | 7 19 25 58 | 7 19 30 26 | 4 27 | 9.9 | 931. | 564. | 119.1 |
| GBI (C) TPQ-18 | 7 19 24 23 | 7 19 32 27 | 8 3 | 7 19 25 41 | 7 19 31 12 | 5 31 | 16.7 | 916. | 412. | 119.1 |
| GBM (S) USB-30' | 7 19 24 24 | 7 19 32 28 | 8 4 | 7 19 25 41 | 7 19 31 13 | 5 31 | 16.8 | 917. | 411. | 119.1 |
| ANG (S) USB-30' | 7 19 27 35 | 7 19 34 24 | 6 49 | 7 19 29 17 | 7 19 32 48 | 3 30 | 8.9 | 755. | 572. | 119.1 |
| BDA (C) FPS-16M | 7 19 28 3 | 7 19 35 40 | 7 36 | 7 19 29 24 | 7 19 34 31 | 5 6 | 13.4 | 810. | 456. | 119.1 |
| BDQ (C) FPQ-6 | 7 19 28 3 | 7 19 35 40 | 7 36 | 7 19 29 24 | 7 19 34 31 | 5 6 | 13.4 | 810. | 455. | 119.1 |
| BDA (S) USB-30' | 7 19 28 3 | 7 19 35 40 | 7 36 | 7 19 29 24 | 7 19 34 31 | 5 6 | 13.4 | 810. | 456. | 119.1 |
| VAN (S) USB-30' | 7 19 32 2 | 7 19 39 55 | 7 52 | 7 19 33 13 | 7 19 38 56 | 5 42 | 24.8 | 734. | 253. | 119.2 |
| CYI (C) MPS26 | 7 19 39 12 | 7 19 45 58 | 6 45 | 7 19 40 20 | 7 19 44 47 | 4 26 | 15.0 | 657. | 329. | 119.2 |
| CYI (S) USB-30' | 7 19 39 12 | 7 19 45 58 | 6 45 | 7 19 40 20 | 7 19 44 47 | 4 26 | 15.0 | 657. | 329. | 119.2 |
| MAD (S) USB-85' | 7 19 41 56 | 7 19 46 59 | 5 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.8 | 660. | 577. | 119.2 |
| CRO (C) FPQ-6 | 7 20 13 11 | 7 20 22 34 | 9 22 | 7 20 14 11 | 7 20 21 15 | 7 4 | 31.1 | 858. | 311. | 119.6 |
| CRO (S) USB-30' | 7 20 13 11 | 7 20 22 34 | 9 22 | 7 20 14 11 | 7 20 21 15 | 7 4 | 31.1 | 857. | 311. | 119.6 |
| HSK (S) USB-85' | 7 20 21 10 | 7 20 31 17 | 10 7 | 7 20 22 11 | 7 20 30 10 | 7 59 | 33.1 | 1171. | 337. | 119.7 |
| MER (S) USB-30' | 7 20 33 24 | 7 20 43 41 | 10 17 | 7 20 34 36 | 7 20 42 35 | 7 59 | 38.4 | 1055. | 311. | 119.8 |
| GYM (S) USB-30' | 7 20 53 20 | 7 20 59 40 | 6 19 | 7 20 55 53 | 7 20 57 32 | 1 39 | 5.9 | 904. | 725. | 120.0 |
| WHS (C) FPS-16M | 7 20 55 33 | 7 21 0 22 | 4 48 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.8 | 862. | 849. | 120.0 |
| TEX (S) USB-30' | 7 20 55 10 | 7 21 3 8 | 7 57 | 7 20 56 22 | 7 21 2 8 | 5 46 | 20.0 | 936. | 364. | 120.0 |
| MIL (S) USB-30' | 7 20 58 44 | 7 21 6 53 | 8 8 | 7 20 59 46 | 7 21 5 57 | 6 11 | 76.0 | 925. | 130. | 120.0 |
| PAT (C) FPQ-6 | 7 20 58 44 | 7 21 6 53 | 8 8 | 7 20 59 45 | 7 21 5 57 | 6 12 | 79.4 | 924. | 128. | 120.0 |
| GBI (C) TPQ-18 | 7 20 59 12 | 7 21 7 7 | 7 55 | 7 21 0 15 | 7 21 6 18 | 6 3 | 40.0 | 889. | 192. | 120.1 |
| GBM (S) USB-30' | 7 20 59 12 | 7 21 7 8 | 7 55 | 7 21 0 15 | 7 21 6 18 | 6 2 | 39.7 | 887. | 193. | 120.1 |
| BDA (C) FPS-16M | 7 21 2 41 | 7 21 10 29 | 7 47 | 7 21 3 41 | 7 21 9 23 | 5 41 | 49.3 | 863. | 148. | 120.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BDQ (C) FPQ-6 | 7 | 21 | 2 | 41 | 7 | 21 | 10 | 29 | 7 | 47 | 7 | 21 | 3 | 41 | 7 | 21 | 9 | 23 | 5 | 41 | 49.3 | 863. | 148. | 120.1 |
| BCA (S) USB-30' | 7 | 21 | 2 | 41 | 7 | 21 | 10 | 29 | 7 | 47 | 7 | 21 | 3 | 41 | 7 | 21 | 9 | 23 | 5 | 41 | 49.2 | 863. | 148. | 120.1 |
| VAN (S) USB-30' | 7 | 21 | 7 | 13 | 7 | 21 | 14 | 35 | 7 | 21 | 7 | 21 | 8 | 12 | 7 | 21 | 13 | 32 | 5 | 19 | 56.8 | 514. | 123. | 120.2 |
| CYI (C) MPS26 | 7 | 21 | 14 | 0 | 7 | 21 | 21 | 1 | 7 | 0 | 7 | 21 | 15 | 9 | 7 | 21 | 20 | 10 | 5 | 1 | 37.1 | 601. | 152. | 120.2 |
| CYI (S) USB-30' | 7 | 21 | 14 | 0 | 7 | 21 | 21 | 1 | 7 | 0 | 7 | 21 | 15 | 9 | 7 | 21 | 20 | 10 | 5 | 1 | 37.1 | 601. | 152. | 120.2 |
| TAN (C) FPS-16M | 7 | 21 | 34 | 16 | 7 | 21 | 40 | 46 | 6 | 30 | 7 | 21 | 36 | 2 | 7 | 21 | 39 | 0 | 2 | 58 | 7.8 | 778. | 595. | 120.4 |
| CRO (C) FPQ-6 | 7 | 21 | 48 | 33 | 7 | 21 | 57 | 47 | 9 | 13 | 7 | 21 | 49 | 49 | 7 | 21 | 56 | 24 | 6 | 34 | 17.4 | 1068. | 522. | 120.6 |
| CRO (S) USB-30' | 7 | 21 | 48 | 33 | 7 | 21 | 57 | 47 | 9 | 14 | 7 | 21 | 49 | 49 | 7 | 21 | 56 | 25 | 6 | 35 | 17.4 | 1068. | 521. | 120.6 |
| HSK (S) USB-85' | 7 | 21 | 55 | 55 | 7 | 22 | 5 | 56 | 10 | 0 | 7 | 21 | 57 | 13 | 7 | 22 | 4 | 41 | 7 | 28 | 25.9 | 1045. | 421. | 120.7 |
| HTV (S) USB-30' | 7 | 22 | 4 | 51 | 7 | 22 | 12 | 33 | 7 | 42 | 7 | 22 | 6 | 50 | 7 | 22 | 10 | 30 | 3 | 40 | 7.5 | 1162. | 827. | 120.8 |
| MER (S) USB-30' | 7 | 22 | 10 | 12 | 7 | 22 | 16 | 7 | 5 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 1073. | 950. | 120.8 |
| RED (S) USB-30' | 7 | 22 | 17 | 1 | 7 | 22 | 25 | 2 | 8 | 0 | 7 | 22 | 18 | 31 | 7 | 22 | 23 | 39 | 5 | 8 | 11.8 | 1119. | 597. | 120.9 |
| CAL (C) FPS-16 | 7 | 22 | 26 | 55 | 7 | 22 | 32 | 36 | 5 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 989. | 753. | 120.9 |
| GDS (S) USB-85' | 7 | 22 | 27 | 38 | 7 | 22 | 33 | 34 | 5 | 56 | 7 | 22 | 30 | 25 | 7 | 22 | 31 | 24 | 0 | 59 | 5.6 | 865. | 684. | 121.0 |
| GYM (S) USB-30' | 7 | 22 | 26 | 57 | 7 | 22 | 35 | 7 | 8 | 9 | 7 | 22 | 27 | 59 | 7 | 22 | 34 | 17 | 6 | 17 | 44.1 | 992. | 188. | 121.0 |
| WHS (C) FPS-16M | 7 | 22 | 28 | 30 | 7 | 22 | 36 | 19 | 7 | 48 | 7 | 22 | 29 | 41 | 7 | 22 | 35 | 5 | 5 | 23 | 19.2 | 880. | 338. | 121.0 |
| TEX (S) USB-30' | 7 | 22 | 29 | 55 | 7 | 22 | 37 | 58 | 8 | 2 | 7 | 22 | 31 | 10 | 7 | 22 | 36 | 56 | 5 | 45 | 22.6 | 737. | 286. | 121.0 |
| MIL (S) USB-30' | 7 | 22 | 34 | 5 | 7 | 22 | 41 | 25 | 7 | 19 | 7 | 22 | 35 | 19 | 7 | 22 | 40 | 28 | 5 | 8 | 17.0 | 790. | 338. | 121.1 |
| PAT (C) FPQ-6 | 7 | 22 | 34 | 7 | 7 | 22 | 41 | 24 | 7 | 16 | 7 | 22 | 35 | 22 | 7 | 22 | 40 | 26 | 5 | 4 | 16.0 | 793. | 353. | 121.1 |
| GBI (C) TPQ-18 | 7 | 22 | 34 | 54 | 7 | 22 | 41 | 44 | 6 | 49 | 7 | 22 | 36 | 10 | 7 | 22 | 40 | 30 | 4 | 20 | 11.7 | 880. | 417. | 121.1 |
| GBM (S) USB-30' | 7 | 22 | 34 | 55 | 7 | 22 | 41 | 45 | 6 | 49 | 7 | 22 | 36 | 10 | 7 | 22 | 40 | 31 | 4 | 20 | 11.7 | 882. | 416. | 121.1 |
| BDA (C) FPS-16M | 7 | 22 | 37 | 43 | 7 | 22 | 45 | 1 | 7 | 18 | 7 | 22 | 38 | 55 | 7 | 22 | 44 | 13 | 5 | 17 | 42.7 | 589. | 150. | 121.1 |
| BCO (C) FPQ-6 | 7 | 22 | 37 | 43 | 7 | 22 | 45 | 1 | 7 | 18 | 7 | 22 | 38 | 55 | 7 | 22 | 44 | 13 | 5 | 17 | 42.7 | 589. | 150. | 121.1 |
| BDA (S) USB-30' | 7 | 22 | 37 | 43 | 7 | 22 | 45 | 1 | 7 | 18 | 7 | 22 | 38 | 55 | 7 | 22 | 44 | 13 | 5 | 17 | 42.8 | 588. | 149. | 121.1 |
| VAN (S) USB-30' | 7 | 22 | 42 | 9 | 7 | 22 | 49 | 5 | 6 | 55 | 7 | 22 | 43 | 15 | 7 | 22 | 48 | 18 | 5 | 2 | 24.9 | 648. | 215. | 121.1 |
| CYI (C) MPS26 | 7 | 22 | 49 | 26 | 7 | 22 | 54 | 55 | 5 | 28 | 7 | 22 | 51 | 0 | 7 | 22 | 53 | 20 | 2 | 19 | 5.7 | 545. | 538. | 121.2 |
| CYI (S) USB-30' | 7 | 22 | 49 | 26 | 7 | 22 | 54 | 55 | 5 | 28 | 7 | 22 | 51 | 0 | 7 | 22 | 53 | 19 | 2 | 19 | 5.7 | 545. | 538. | 121.2 |
| PRE (C) MPS-25M | 7 | 23 | 6 | 51 | 7 | 23 | 11 | 33 | 4 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 956. | 813. | 121.4 |
| TAN (C) FPS-16M | 7 | 23 | 7 | 46 | 7 | 23 | 16 | 41 | 8 | 55 | 7 | 23 | 8 | 54 | 7 | 23 | 15 | 26 | 6 | 32 | 30.5 | 753. | 272. | 121.4 |
| CRO (C) FPQ-6 | 7 | 23 | 23 | 43 | 7 | 23 | 33 | 31 | 9 | 48 | 7 | 23 | 25 | 3 | 7 | 23 | 32 | 15 | 7 | 12 | 20.8 | 1130. | 488. | 121.6 |
| CRO (S) USB-30' | 7 | 23 | 23 | 43 | 7 | 23 | 33 | 32 | 9 | 48 | 7 | 23 | 25 | 3 | 7 | 23 | 32 | 16 | 7 | 12 | 20.9 | 1129. | 487. | 121.6 |
| HSK (S) USB-85' | 7 | 23 | 31 | 33 | 7 | 23 | 39 | 12 | 7 | 38 | 7 | 23 | 33 | 38 | 7 | 23 | 37 | 16 | 3 | 38 | 7.5 | 1176. | 835. | 121.7 |
| HTV (S) USB-30' | 7 | 23 | 38 | 43 | 7 | 23 | 48 | 51 | 10 | 7 | 7 | 23 | 39 | 50 | 7 | 23 | 47 | 47 | 7 | 57 | 42.1 | 1119. | 280. | 121.7 |
| HAW (C) FPS-16M | 7 | 23 | 50 | 43 | 7 | 23 | 58 | 41 | 7 | 57 | 7 | 23 | 52 | 8 | 7 | 23 | 57 | 21 | 5 | 13 | 13.2 | 1023. | 520. | 121.8 |
| HAW (S) USB-30' | 7 | 23 | 50 | 43 | 7 | 23 | 58 | 41 | 7 | 57 | 7 | 23 | 52 | 8 | 7 | 23 | 57 | 21 | 5 | 13 | 13.2 | 1023. | 520. | 121.8 |
| RED (S) USB-30' | 7 | 23 | 51 | 21 | 8 | 0 | 0 | 16 | 8 | 54 | 7 | 23 | 52 | 32 | 7 | 23 | 59 | 5 | 6 | 32 | 27.5 | 748. | 313. | 121.9 |
| CAL (C) FPS-16 | 8 | 0 | 0 | 24 | 8 | 0 | 8 | 2 | 7 | 38 | 8 | 0 | 1 | 36 | 8 | 0 | 6 | 54 | 5 | 18 | 17.5 | 836. | 346. | 122.0 |
| GDS (S) USB-85' | 8 | 0 | 1 | 18 | 8 | 0 | 8 | 47 | 7 | 29 | 8 | 0 | 2 | 28 | 8 | 0 | 7 | 43 | 5 | 14 | 20.8 | 584. | 303. | 122.0 |
| GYM (S) USB-30' | 8 | 0 | 2 | 9 | 8 | 0 | 9 | 46 | 7 | 36 | 8 | 0 | 3 | 21 | 8 | 0 | 8 | 45 | 5 | 23 | 16.9 | 761. | 339. | 122.0 |
| WHS (C) FPS-16M | 8 | 0 | 3 | 18 | 8 | 0 | 10 | 56 | 7 | 38 | 8 | 0 | 4 | 20 | 8 | 0 | 10 | 4 | 5 | 43 | 68.2 | 530. | 121. | 122.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TEX (S) USB-30' | 8 | 0 | 5 | 33 | 8 | 0 | 12 | 33 | 7 | 0 | 8 | 0 | 6 | 51 | 8 | 0 | 11 | 21 | 4 | 29 | 15.7 | 601. | 342. | 122.0 |
| MIL (S) USB-30' | 8 | 0 | 9 | 25 | 8 | 0 | 16 | 24 | 6 | 59 | 8 | 0 | 10 | 33 | 8 | 0 | 15 | 12 | 4 | 39 | 21.6 | 558. | 248. | 122.1 |
| PAT (C) FPQ-6 | 8 | 0 | 9 | 28 | 8 | 0 | 16 | 25 | 6 | 57 | 8 | 0 | 10 | 38 | 8 | 0 | 15 | 12 | 4 | 34 | 20.2 | 558. | 263. | 122.1 |
| GBI (C) TPQ-18 | 8 | 0 | 10 | 11 | 8 | 0 | 16 | 49 | 6 | 38 | 8 | 0 | 11 | 29 | 8 | 0 | 15 | 41 | 4 | 12 | 13.4 | 682. | 355. | 122.1 |
| GBM (S) USB-30' | 8 | 0 | 10 | 12 | 8 | 0 | 16 | 50 | 6 | 37 | 8 | 0 | 11 | 29 | 8 | 0 | 15 | 41 | 4 | 12 | 13.4 | 683. | 356. | 122.1 |
| BDA (C) FPS-16M | 8 | 0 | 12 | 48 | 8 | 0 | 19 | 35 | 6 | 47 | 8 | 0 | 13 | 44 | 8 | 0 | 18 | 39 | 4 | 54 | 16.5 | 775. | 292. | 122.1 |
| BDQ (C) FPQ-6 | 8 | 0 | 12 | 48 | 8 | 0 | 19 | 35 | 6 | 47 | 8 | 0 | 13 | 44 | 8 | 0 | 18 | 39 | 4 | 54 | 16.5 | 775. | 292. | 122.1 |
| BCA (S) USB-30' | 8 | 0 | 12 | 48 | 8 | 0 | 19 | 35 | 6 | 47 | 8 | 0 | 13 | 44 | 8 | 0 | 18 | 39 | 4 | 54 | 16.5 | 775. | 292. | 122.1 |
| ANG (S) USB-30' | 8 | 0 | 16 | 10 | 8 | 0 | 19 | 59 | 3 | 49 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 698. | 697. | 122.1 |
| VAN (S) USB-30' | 8 | 0 | 17 | 45 | 8 | 0 | 22 | 40 | 4 | 55 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 611. | 592. | 122.1 |
| ASC (C) TPQ-18 | 8 | 0 | 29 | 19 | 8 | 0 | 35 | 3 | 5 | 43 | 8 | 0 | 31 | 2 | 8 | 0 | 33 | 11 | 2 | 9 | 5.2 | 640. | 615. | 122.2 |
| ACN (S) USB-30' | 8 | 0 | 29 | 20 | 8 | 0 | 35 | 4 | 5 | 44 | 8 | 0 | 31 | 1 | 8 | 0 | 33 | 13 | 2 | 11 | 5.3 | 635. | 613. | 122.2 |
| PRE (C) MPS-25M | 8 | 0 | 39 | 17 | 8 | 0 | 48 | 16 | 8 | 58 | 8 | 0 | 40 | 15 | 8 | 0 | 47 | 0 | 6 | 44 | 38.0 | 870. | 241. | 122.4 |
| TAN (C) FPS-16M | 8 | 0 | 43 | 31 | 8 | 0 | 51 | 21 | 7 | 49 | 8 | 0 | 45 | 1 | 8 | 0 | 49 | 42 | 4 | 40 | 10.1 | 1100. | 645. | 122.4 |
| CRO (C) FPQ-6 | 8 | 0 | 58 | 34 | 8 | 1 | 9 | 3 | 10 | 28 | 8 | 0 | 59 | 40 | 8 | 1 | 8 | 0 | 8 | 19 | 47.5 | 1090. | 271. | 122.6 |
| CRO (S) USB-30' | 8 | 0 | 58 | 34 | 8 | 1 | 9 | 3 | 10 | 28 | 8 | 0 | 59 | 40 | 8 | 1 | 8 | 0 | 8 | 19 | 47.5 | 1090. | 271. | 122.6 |
| HTV (S) USB-30' | 8 | 1 | 15 | 0 | 8 | 1 | 22 | 13 | 7 | 13 | 8 | 1 | 16 | 57 | 8 | 1 | 20 | 12 | 3 | 14 | 7.2 | 1137. | 763. | 122.7 |
| HAW (C) FPS-16M | 8 | 1 | 25 | 13 | 8 | 1 | 33 | 39 | 8 | 25 | 8 | 1 | 26 | 19 | 8 | 1 | 32 | 42 | 6 | 22 | 35.5 | 827. | 232. | 122.8 |
| HAW (S) USB-30' | 8 | 1 | 25 | 13 | 8 | 1 | 33 | 39 | 8 | 25 | 8 | 1 | 26 | 19 | 8 | 1 | 32 | 42 | 6 | 22 | 35.5 | 827. | 232. | 122.8 |
| RED (S) USB-30' | 8 | 1 | 28 | 23 | 8 | 1 | 33 | 34 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 900. | 758. | 122.8 |
| CAL (C) FPS-16 | 8 | 1 | 35 | 12 | 8 | 1 | 42 | 39 | 7 | 27 | 8 | 1 | 36 | 11 | 8 | 1 | 41 | 37 | 5 | 26 | 46.6 | 510. | 146. | 122.9 |
| GDS (S) USB-85' | 8 | 1 | 35 | 58 | 8 | 1 | 43 | 16 | 7 | 18 | 8 | 1 | 37 | 11 | 8 | 1 | 42 | 27 | 5 | 16 | 24.1 | 798. | 245. | 123.0 |
| GYM (S) USB-30' | 8 | 1 | 37 | 38 | 8 | 1 | 44 | 34 | 6 | 55 | 8 | 1 | 38 | 56 | 8 | 1 | 43 | 22 | 4 | 25 | 16.5 | 594. | 317. | 123.0 |
| WHS (C) FPS-16M | 8 | 1 | 38 | 20 | 8 | 1 | 45 | 35 | 7 | 15 | 8 | 1 | 39 | 21 | 8 | 1 | 44 | 45 | 5 | 24 | 21.5 | 721. | 258. | 123.0 |
| TEX (S) USB-30' | 8 | 1 | 40 | 46 | 8 | 1 | 47 | 36 | 6 | 49 | 8 | 1 | 41 | 47 | 8 | 1 | 46 | 37 | 4 | 50 | 15.4 | 786. | 312. | 123.0 |
| MIL (S) USB-30' | 8 | 1 | 44 | 17 | 8 | 1 | 51 | 10 | 6 | 53 | 8 | 1 | 45 | 18 | 8 | 1 | 50 | 24 | 5 | 6 | 24.9 | 793. | 211. | 123.1 |
| PAT (C) FPQ-6 | 8 | 1 | 44 | 20 | 8 | 1 | 51 | 14 | 6 | 54 | 8 | 1 | 45 | 19 | 8 | 1 | 50 | 27 | 5 | 8 | 24.4 | 781. | 215. | 123.1 |
| GBI (C) TPQ-18 | 8 | 1 | 45 | 5 | 8 | 1 | 52 | 0 | 6 | 54 | 8 | 1 | 45 | 53 | 8 | 1 | 50 | 59 | 5 | 6 | 31.3 | 815. | 173. | 123.1 |
| GBM (S) USB-30' | 8 | 1 | 45 | 6 | 8 | 1 | 52 | 0 | 6 | 54 | 8 | 1 | 45 | 53 | 8 | 1 | 51 | 0 | 5 | 6 | 31.6 | 817. | 171. | 123.1 |
| BDA (C) FPS-16M | 8 | 1 | 48 | 39 | 8 | 1 | 52 | 32 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 742. | 658. | 123.1 |
| BDQ (C) FPQ-6 | 8 | 1 | 48 | 39 | 8 | 1 | 52 | 32 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 742. | 658. | 123.1 |
| BCA (S) USB-30' | 8 | 1 | 48 | 39 | 8 | 1 | 52 | 32 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 742. | 658. | 123.1 |
| ANG (S) USB-30' | 8 | 1 | 49 | 37 | 8 | 1 | 56 | 40 | 7 | 3 | 8 | 1 | 50 | 41 | 8 | 1 | 55 | 33 | 4 | 52 | 43.5 | 500. | 135. | 123.1 |
| ASC (C) TPQ-18 | 8 | 2 | 2 | 58 | 8 | 2 | 10 | 55 | 7 | 56 | 8 | 2 | 3 | 52 | 8 | 2 | 9 | 45 | 5 | 53 | 26.6 | 871. | 272. | 123.2 |
| ACN (S) USB-30' | 8 | 2 | 2 | 59 | 8 | 2 | 10 | 55 | 7 | 55 | 8 | 2 | 3 | 53 | 8 | 2 | 9 | 45 | 5 | 52 | 26.4 | 875. | 273. | 123.2 |
| PRE (C) MPS-25M | 8 | 2 | 13 | 58 | 8 | 2 | 23 | 23 | 9 | 24 | 8 | 2 | 15 | 11 | 8 | 2 | 22 | 12 | 7 | 1 | 27.1 | 1107. | 357. | 123.4 |
| TAN (C) FPS-16M | 8 | 2 | 19 | 49 | 8 | 2 | 26 | 29 | 6 | 40 | 8 | 2 | 22 | 44 | 8 | 2 | 23 | 29 | 0 | 44 | 5.4 | 998. | 875. | 123.4 |
| CRO (C) FPQ-6 | 8 | 2 | 33 | 55 | 8 | 2 | 43 | 13 | 9 | 18 | 8 | 2 | 35 | 20 | 8 | 2 | 41 | 56 | 6 | 35 | 16.2 | 1146. | 570. | 123.6 |
| CRO (S) USB-30' | 8 | 2 | 33 | 55 | 8 | 2 | 43 | 13 | 9 | 18 | 8 | 2 | 35 | 20 | 8 | 2 | 41 | 56 | 6 | 35 | 16.2 | 1146. | 571. | 123.6 |
| GWM (S) USB-30' | 8 | 2 | 46 | 30 | 8 | 2 | 55 | 27 | 8 | 56 | 8 | 2 | 47 | 46 | 8 | 2 | 54 | 21 | 6 | 34 | 22.0 | 1024. | 401. | 123.7 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HAW (C) FPS-16M | 8 | 3 | 1 | 25 | 8 | 3 | 7 | 46 | 6 | 20 | 8 | 3 | 3 | 6 | 8 | 3 | 6 | 3 | 2 | 57 | 7.7 | 774. | 561. | 123.8 |
| HAW (S) USB-30' | 8 | 3 | 1 | 25 | 8 | 3 | 7 | 46 | 6 | 20 | 8 | 3 | 3 | 6 | 8 | 3 | 6 | 3 | 2 | 57 | 7.7 | 774. | 561. | 123.8 |
| CAL (C) FPS-16 | 8 | 3 | 10 | 5 | 8 | 3 | 17 | 0 | 6 | 55 | 8 | 3 | 11 | 15 | 8 | 3 | 16 | 7 | 4 | 51 | 20.9 | 650. | 254. | 123.9 |
| GDS (S) USB-85' | 8 | 3 | 11 | 3 | 8 | 3 | 17 | 38 | 6 | 34 | 8 | 3 | 12 | 5 | 8 | 3 | 16 | 34 | 4 | 28 | 13.8 | 836. | 337. | 124.0 |
| GYM (S) USB-30' | 8 | 3 | 12 | 38 | 8 | 3 | 19 | 37 | 6 | 58 | 8 | 3 | 13 | 32 | 8 | 3 | 18 | 45 | 5 | 13 | 20.0 | 741. | 251. | 124.0 |
| WHS (C) FPS-16M | 8 | 3 | 13 | 23 | 8 | 3 | 20 | 2 | 6 | 38 | 8 | 3 | 14 | 30 | 8 | 3 | 18 | 52 | 4 | 22 | 17.1 | 624. | 282. | 124.0 |
| TEX (S) USB-30' | 8 | 3 | 15 | 34 | 8 | 3 | 22 | 28 | 6 | 53 | 8 | 3 | 16 | 41 | 8 | 3 | 21 | 17 | 4 | 36 | 28.5 | 530. | 187. | 124.0 |
| MIL (S) USB-30' | 8 | 3 | 20 | 12 | 8 | 3 | 24 | 23 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 684. | 657. | 124.0 |
| PAT (C) FPJ-6 | 8 | 3 | 20 | 11 | 8 | 3 | 24 | 31 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 679. | 642. | 124.0 |
| GBI (C) TPQ-18 | 8 | 3 | 20 | 43 | 8 | 3 | 25 | 21 | 4 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 781. | 598. | 124.0 |
| GBM (S) USB-30' | 8 | 3 | 20 | 44 | 8 | 3 | 25 | 21 | 4 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 781. | 599. | 124.0 |
| ANG (S) USB-30' | 8 | 3 | 25 | 29 | 8 | 3 | 30 | 6 | 4 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 719. | 644. | 124.1 |
| ASC (C) TPQ-18 | 8 | 3 | 40 | 12 | 8 | 3 | 43 | 55 | 3 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 966. | 928. | 124.2 |
| ACN (S) USB-30' | 8 | 3 | 40 | 15 | 8 | 3 | 43 | 54 | 3 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 967. | 931. | 124.2 |
| PRE (C) MPS-25M | 8 | 3 | 49 | 20 | 8 | 3 | 58 | 45 | 9 | 25 | 8 | 3 | 50 | 33 | 8 | 3 | 57 | 24 | 6 | 50 | 18.1 | 876. | 505. | 124.4 |
| TAN (C) FPS-16M | 8 | 3 | 54 | 58 | 8 | 4 | 3 | 1 | 8 | 2 | 8 | 3 | 56 | 45 | 8 | 4 | 1 | 13 | 4 | 28 | 8.7 | 1148. | 782. | 241.4 |
| GWM (S) USB-30' | 8 | 4 | 21 | 37 | 8 | 4 | 30 | 3 | 8 | 26 | 8 | 4 | 22 | 59 | 8 | 4 | 28 | 51 | 5 | 51 | 16.4 | 805. | 454. | 241.7 |
| HAW (C) FPS-16M | 8 | 4 | 37 | 51 | 8 | 4 | 42 | 17 | 4 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 717. | 698. | 241.8 |
| HAW (S) USB-30' | 8 | 4 | 37 | 51 | 8 | 4 | 42 | 17 | 4 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 717. | 698. | 241.8 |
| CAL (C) FPS-16 | 8 | 4 | 45 | 35 | 8 | 4 | 50 | 32 | 4 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 599. | 597. | 124.9 |
| GDS (S) USB-85' | 8 | 4 | 46 | 49 | 8 | 4 | 50 | 26 | 3 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 768. | 672. | 124.9 |
| WHS (C) FPS-16M | 8 | 4 | 50 | 21 | 8 | 4 | 51 | 50 | 1 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .8 | 753. | 753. | 124.9 |
| GYM (S) USB-30' | 8 | 4 | 47 | 47 | 8 | 4 | 53 | 45 | 5 | 57 | 8 | 4 | 49 | 16 | 8 | 4 | 52 | 17 | 3 | 0 | 9.2 | 696. | 423. | 124.9 |
| TEX (S) USB-30' | 8 | 4 | 52 | 33 | 8 | 4 | 54 | 11 | 1 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .8 | 763. | 763. | 124.9 |
| PRE (C) MPS-25M | 8 | 5 | 24 | 17 | 8 | 5 | 34 | 29 | 10 | 11 | 8 | 5 | 25 | 28 | 8 | 5 | 33 | 10 | 7 | 41 | 32.1 | 1008. | 354. | 124.4 |
| TAN (C) FPS-16M | 8 | 5 | 29 | 25 | 8 | 5 | 39 | 29 | 10 | 4 | 8 | 5 | 30 | 39 | 8 | 5 | 38 | 18 | 7 | 39 | 25.5 | 1119. | 425. | 124.4 |
| GWM (S) USB-30' | 8 | 6 | 0 | 23 | 8 | 6 | 1 | 54 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 924. | 924. | 125.6 |
| HAW (C) FPS-16M | 8 | 6 | 12 | 36 | 8 | 6 | 18 | 22 | 5 | 45 | 8 | 6 | 14 | 17 | 8 | 6 | 16 | 35 | 2 | 17 | 7.5 | 744. | 481. | 125.8 |
| HAW (S) USB-30' | 8 | 6 | 12 | 36 | 8 | 6 | 18 | 22 | 5 | 45 | 8 | 6 | 14 | 17 | 8 | 6 | 16 | 35 | 2 | 18 | 7.5 | 744. | 481. | 125.8 |
| RED (S) USB-30' | 8 | 6 | 16 | 44 | 8 | 6 | 19 | 57 | 3 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 762. | 716. | 125.8 |
| PRE (C) MPS-25M | 8 | 6 | 59 | 13 | 8 | 7 | 9 | 35 | 10 | 22 | 8 | 7 | 0 | 18 | 8 | 7 | 8 | 30 | 8 | 11 | 41.9 | 1093. | 294. | 126.4 |
| TAN (C) FPS-16M | 8 | 7 | 4 | 20 | 8 | 7 | 14 | 25 | 10 | 4 | 8 | 7 | 5 | 33 | 8 | 7 | 13 | 8 | 7 | 35 | 30.7 | 1051. | 364. | 126.4 |
| HAW (C) FPS-16M | 8 | 7 | 47 | 5 | 8 | 7 | 53 | 57 | 6 | 51 | 8 | 7 | 47 | 51 | 8 | 7 | 52 | 58 | 5 | 6 | 28.8 | 801. | 184. | 126.8 |
| HAW (S) USB-30' | 8 | 7 | 47 | 5 | 8 | 7 | 53 | 57 | 6 | 51 | 8 | 7 | 47 | 51 | 8 | 7 | 52 | 58 | 5 | 6 | 28.8 | 801. | 184. | 126.8 |
| RED (S) USB-30' | 8 | 7 | 49 | 53 | 8 | 7 | 56 | 54 | 7 | 0 | 8 | 7 | 51 | 5 | 8 | 7 | 55 | 55 | 4 | 50 | 38.4 | 554. | 148. | 126.8 |
| PRE (C) MPS-25M | 8 | 8 | 35 | 7 | 8 | 8 | 42 | 51 | 7 | 43 | 8 | 8 | 36 | 59 | 8 | 8 | 41 | 1 | 4 | 1 | 8.0 | 920. | 800. | 127.3 |
| TAN (C) FPS-16M | 8 | 8 | 42 | 17 | 8 | 8 | 45 | 44 | 3 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.1 | 1100. | 1093. | 127.4 |
| HAW (C) FPS-16M | 8 | 9 | 23 | 8 | 8 | 9 | 26 | 46 | 3 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 686. | 686. | 127.8 |
| HAW (S) USB-30' | 8 | 9 | 23 | 8 | 8 | 9 | 26 | 46 | 3 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 686. | 686. | 127.8 |
| RED (S) USB-30' | 8 | 9 | 25 | 52 | 8 | 9 | 30 | 15 | 4 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 711. | 681. | 127.8 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| ASC (C) TPQ-18 | 8 10 2 52 | 8 10 10 51 | 7 58 | 8 10 4 43 | 8 10 9 4 | 4 20 | 8.4 | 1162. | 793. | 128 .2 |
| ACN (S) USB-30' | 8 10 2 54 | 8 10 10 52 | 7 58 | 8 10 4 44 | 8 10 9 6 | 4 21 | 8.4 | 1164. | 792. | 128 .2 |
| GWM (S) USB-30' | 8 10 47 24 | 8 10 50 11 | 2 46 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.5 | 714. | 714. | 218 .7 |
| MER (S) USB-30' | 8 11 3 51 | 8 11 8 27 | 4 36 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.7 | 811. | 780. | 128 .8 |
| ASC (C) TPQ-18 | 8 11 36 50 | 8 11 47 0 | 10 10 | 8 11 37 55 | 8 11 45 59 | 8 3 | 39.9 | 1141. | 294. | 129 .2 |
| ACN (S) USB-30' | 8 11 36 51 | 8 11 47 1 | 10 9 | 8 11 37 56 | 8 11 46 0 | 8 3 | 39.4 | 1145. | 297. | 129 .2 |
| GWM (S) USB-30' | 8 12 20 18 | 8 12 27 15 | 6 57 | 8 12 21 16 | 8 12 26 25 | 5 8 | 27.2 | 806. | 196. | 129 .7 |
| HTV (S) USB-30' | 8 12 28 30 | 8 12 35 55 | 7 24 | 8 12 29 31 | 8 12 34 45 | 5 13 | 16.3 | 780. | 338. | 129 .7 |
| MER (S) USB-30' | 8 12 36 20 | 8 12 45 2 | 8 41 | 8 12 37 20 | 8 12 43 57 | 6 36 | 39.8 | 793. | 223. | 129 .8 |
| ASC (C) TPQ-18 | 8 13 13 7 | 8 13 20 17 | 7 10 | 8 13 15 6 | 8 13 18 10 | 3 4 | 7.0 | 929. | 787. | 130 .2 |
| ACN (S) USB-30' | 8 13 13 9 | 8 13 20 18 | 7 8 | 8 13 15 11 | 8 13 18 10 | 2 58 | 6.9 | 928. | 788. | 130 .2 |
| GWM (S) USB-30' | 8 13 56 28 | 8 14 0 23 | 3 55 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.4 | 750. | 720. | 130 .6 |
| HTV (S) USB-30' | 8 14 3 35 | 8 14 10 26 | 6 51 | 8 14 5 1 | 8 14 8 45 | 3 44 | 9.4 | 772. | 548. | 130 .7 |
| MER (S) USB-30' | 8 14 11 26 | 8 14 20 2 | 8 35 | 8 14 12 39 | 8 14 18 38 | 5 59 | 16.5 | 956. | 472. | 130 .8 |
| CYI (C) MPS26 | 8 14 52 12 | 8 15 0 22 | 8 9 | 8 14 53 33 | 8 14 59 5 | 5 31 | 15.5 | 901. | 450. | 131 .2 |
| CYI (S) USB-30' | 8 14 52 12 | 8 15 0 22 | 8 9 | 8 14 53 33 | 8 14 59 5 | 5 31 | 15.5 | 901. | 450. | 131 .2 |
| MAD (S) USB-85' | 8 14 58 9 | 8 15 1 52 | 3 43 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.6 | 894. | 877. | 131 .3 |
| HSK (S) USB-85' | 8 15 39 31 | 8 15 42 24 | 2 53 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.3 | 939. | 939. | 131 .7 |
| MER (S) USB-30' | 8 15 47 11 | 8 15 55 12 | 8 0 | 8 15 48 45 | 8 15 53 31 | 4 45 | 9.9 | 1158. | 694. | 131 .9 |
| ANG (S) USB-30' | 8 16 15 36 | 8 16 23 54 | 8 18 | 8 16 17 7 | 8 16 22 31 | 5 23 | 12.0 | 918. | 603. | 132 .1 |
| VAN (S) USB-30' | 8 16 22 34 | 8 16 28 5 | 5 30 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.2 | 990. | 817. | 132 .2 |
| CYI (C) MPS26 | 8 16 26 52 | 8 16 35 4 | 8 11 | 8 16 27 54 | 8 16 34 13 | 6 19 | 56.5 | 969. | 156. | 132 .2 |
| CYI (S) USB-30' | 8 16 26 52 | 8 16 35 4 | 8 11 | 8 16 27 54 | 8 16 34 13 | 6 19 | 56.5 | 969. | 156. | 132 .2 |
| MAD (S) USB-85' | 8 16 31 0 | 8 16 37 22 | 6 21 | 8 16 32 37 | 8 16 35 49 | 3 12 | 7.4 | 942. | 568. | 132 .3 |
| CRO (C) FPQ-6 | 8 17 4 15 | 8 17 9 28 | 5 13 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.2 | 937. | 740. | 132 .6 |
| CRO (S) USB-30' | 8 17 4 15 | 8 17 9 28 | 5 13 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.2 | 937. | 740. | 132 .6 |
| HSK (S) USB-85' | 8 17 11 6 | 8 17 19 28 | 8 21 | 8 17 12 14 | 8 17 18 8 | 5 53 | 16.6 | 1057. | 470. | 132 .7 |
| MER (S) USB-30' | 8 17 22 16 | 8 17 31 17 | 9 0 | 8 17 23 43 | 8 17 29 50 | 6 7 | 13.7 | 1168. | 621. | 132 .9 |
| MIL (S) USB-30' | 8 17 50 35 | 8 17 53 39 | 3 3 | 0 0 0 0 | 0 0 0 0 | 0 0 | .8 | 1039. | 1014. | 133 .1 |
| PAT (C) FPQ-6 | 8 17 50 23 | 8 17 53 48 | 3 24 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.1 | 1022. | 999. | 133 .1 |
| GBI (C) TPQ-18 | 8 17 49 25 | 8 17 55 14 | 5 48 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.1 | 1020. | 844. | 133 .1 |
| GBM (S) USB-30' | 8 17 49 25 | 8 17 55 14 | 5 49 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.1 | 1019. | 843. | 133 .1 |
| BCA (C) FPS-16M | 8 17 52 44 | 8 17 58 52 | 6 7 | 8 17 55 2 | 8 17 55 30 | 0 27 | 5.1 | 1006. | 774. | 133 .1 |
| BDQ (C) FPQ-6 | 8 17 52 44 | 8 17 58 52 | 6 7 | 8 17 55 2 | 8 17 55 30 | 0 27 | 5.1 | 1006. | 774. | 133 .1 |
| BCA (S) USB-30' | 8 17 52 44 | 8 17 58 51 | 6 7 | 8 17 55 3 | 8 17 55 29 | 0 26 | 5.1 | 1006. | 774. | 133 .1 |
| ANG (S) USB-30' | 8 17 49 57 | 8 17 58 55 | 8 58 | 8 17 51 13 | 8 17 57 56 | 6 42 | 36.5 | 862. | 248. | 133 .1 |
| VAN (S) USB-30' | 8 17 55 40 | 8 18 3 48 | 8 8 | 8 17 56 59 | 8 18 2 44 | 5 45 | 19.5 | 796. | 365. | 133 .2 |
| CYI (C) MPS26 | 8 18 2 21 | 8 18 9 38 | 7 17 | 8 18 3 35 | 8 18 8 34 | 4 58 | 13.4 | 797. | 393. | 133 .2 |
| CYI (S) USB-30' | 8 18 2 21 | 8 18 9 38 | 7 17 | 8 18 3 35 | 8 18 8 34 | 4 58 | 13.4 | 797. | 393. | 133 .2 |
| MAD (S) USB-85' | 8 18 5 23 | 8 18 11 38 | 6 15 | 8 18 6 51 | 8 18 10 11 | 3 19 | 8.8 | 746. | 481. | 133 .3 |

## TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| CRO (C) FPQ-6 | 8 18 37 3 | 8 18 45 48 | 8 44 | 8 18 37 54 | 8 18 44 40 | 6 45 | 59.4 | 947. | 170. | 133.6 |
| CRO (S) USB-30' | 8 18 37 3 | 8 18 45 48 | 8 44 | 8 18 37 54 | 8 18 44 40 | 6 45 | 59.2 | 947. | 170. | 133.6 |
| HSK (S) USB-85' | 8 18 45 5 | 8 18 54 41 | 9 35 | 8 18 46 3 | 8 18 53 26 | 7 23 | 37.0 | 1067. | 283. | 133.7 |
| MER (S) USB-30' | 8 18 56 55 | 8 19 7 12 | 10 16 | 8 18 58 0 | 8 19 6 7 | 8 7 | 33.0 | 1176. | 349. | 133.8 |
| TEX (S) USB-30' | 8 19 19 51 | 8 19 26 9 | 6 18 | 8 19 22 32 | 8 19 23 37 | 1 4 | 5.7 | 913. | 771. | 134.0 |
| MIL (S) USB-30' | 8 19 22 21 | 8 19 30 39 | 8 17 | 8 19 23 37 | 8 19 29 28 | 5 50 | 19.1 | 923. | 387. | 134.1 |
| PAT (C) FPQ-6 | 8 19 22 18 | 8 19 30 40 | 8 21 | 8 19 23 34 | 8 19 29 30 | 5 56 | 20.2 | 914. | 372. | 134.1 |
| GBI (C) TPQ-18 | 8 19 22 28 | 8 19 31 3 | 8 34 | 8 19 23 37 | 8 19 30 8 | 6 31 | 36.1 | 941. | 238. | 134.1 |
| GBM (S) USB-30' | 8 19 22 28 | 8 19 31 3 | 8 34 | 8 19 23 37 | 8 19 30 8 | 6 31 | 36.3 | 942. | 237. | 134.1 |
| ANG (S) USB-30' | 8 19 26 44 | 8 19 32 29 | 5 45 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.8 | 957. | 737. | 134.1 |
| BCA (C) FPS-16M | 8 19 26 9 | 8 19 34 20 | 8 11 | 8 19 27 22 | 8 19 33 8 | 5 45 | 22.8 | 830. | 309. | 134.1 |
| BCQ (C) FPQ-6 | 8 19 26 9 | 8 19 34 20 | 8 11 | 8 19 27 22 | 8 19 33 8 | 5 45 | 22.8 | 830. | 309. | 134.1 |
| BDA (S) USB-30' | 8 19 26 9 | 8 19 34 20 | 8 11 | 8 19 27 22 | 8 19 33 8 | 5 45 | 22.7 | 830. | 310. | 134.1 |
| VAN (S) USB-30' | 8 19 30 29 | 8 19 38 27 | 7 58 | 8 19 31 32 | 8 19 37 21 | 5 49 | 45.6 | 841. | 162. | 134.2 |
| CYI (C) MPS26 | 8 19 37 36 | 8 19 44 38 | 7 1 | 8 19 38 50 | 8 19 43 30 | 4 40 | 20.6 | 568. | 263. | 134.2 |
| CYI (S) USB-30' | 8 19 37 36 | 8 19 44 38 | 7 1 | 8 19 38 50 | 8 19 43 30 | 4 40 | 20.6 | 568. | 263. | 134.2 |
| MAD (S) USB-85' | 8 19 40 36 | 8 19 44 51 | 4 15 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.3 | 770. | 650. | 134.2 |
| CRO (C) FPQ-6 | 8 20 11 50 | 8 20 20 50 | 9 0 | 8 20 13 5 | 8 20 19 32 | 6 26 | 18.8 | 790. | 446. | 134.6 |
| CRO (S) USB-30' | 8 20 11 50 | 8 20 20 50 | 9 0 | 8 20 13 6 | 8 20 19 32 | 6 26 | 18.9 | 790. | 446. | 134.6 |
| HSK (S) USB-85' | 8 20 19 33 | 8 20 29 34 | 10 1 | 8 20 20 42 | 8 20 28 25 | 7 43 | 35.2 | 1103. | 320. | 134.7 |
| MER (S) USB-30' | 8 20 31 59 | 8 20 41 42 | 9 43 | 8 20 33 19 | 8 20 40 28 | 7 8 | 21.4 | 1058. | 475. | 134.8 |
| RED (S) USB-30' | 8 20 44 37 | 8 20 45 18 | 0 40 | 0 0 0 0 | 0 0 0 0 | 0 0 | .2 | 1132. | 1132. | 134.9 |
| GYM (S) USB-30' | 8 20 50 50 | 8 20 58 41 | 7 50 | 8 20 52 15 | 8 20 57 21 | 5 5 | 12.9 | 1037. | 522. | 135.0 |
| WHS (C) FPS-16M | 8 20 52 44 | 8 20 59 38 | 6 53 | 8 20 54 32 | 8 20 57 55 | 3 23 | 7.4 | 999. | 659. | 135.0 |
| TEX (S) USB-30' | 8 20 53 14 | 8 21 1 48 | 8 34 | 8 20 54 20 | 8 21 0 48 | 6 27 | 32.6 | 816. | 257. | 135.0 |
| MIL (S) USB-30' | 8 20 57 9 | 8 21 5 16 | 8 7 | 8 20 58 11 | 8 21 4 26 | 6 14 | 46.1 | 875. | 179. | 135.1 |
| PAT (C) FPQ-6 | 8 20 57 9 | 8 21 5 16 | 8 6 | 8 20 58 12 | 8 21 4 25 | 6 13 | 42.7 | 877. | 189. | 135.1 |
| GBI (C) TPQ-18 | 8 20 57 37 | 8 21 5 37 | 7 59 | 8 20 58 55 | 8 21 4 37 | 5 42 | 21.4 | 806. | 323. | 135.1 |
| GBM (S) USB-30' | 8 20 57 38 | 8 21 5 37 | 7 59 | 8 20 58 55 | 8 21 4 38 | 5 42 | 21.3 | 805. | 324. | 135.1 |
| BCA (C) FPS-16M | 8 21 1 6 | 8 21 8 53 | 7 46 | 8 21 2 4 | 8 21 7 58 | 5 54 | 79.9 | 958. | 119. | 135.1 |
| BCQ (C) FPQ-6 | 8 21 1 6 | 8 21 8 53 | 7 46 | 8 21 2 4 | 8 21 7 58 | 5 54 | 79.9 | 958. | 119. | 135.1 |
| BDA (S) USB-30' | 8 21 1 6 | 8 21 8 53 | 7 46 | 8 21 2 4 | 8 21 7 58 | 5 54 | 80.1 | 957. | 119. | 135.1 |
| VAN (S) USB-30' | 8 21 5 33 | 8 21 12 58 | 7 25 | 8 21 6 42 | 8 21 12 7 | 5 25 | 50.3 | 564. | 136. | 135.1 |
| CYI (C) MPS26 | 8 21 12 29 | 8 21 19 21 | 6 51 | 8 21 13 26 | 8 21 18 32 | 5 5 | 19.5 | 754. | 258. | 135.2 |
| CYI (S) USB-30' | 8 21 12 29 | 8 21 19 21 | 6 51 | 8 21 13 26 | 8 21 18 32 | 5 5 | 19.5 | 754. | 258. | 135.2 |
| TAN (C) FPS-16M | 8 21 32 1 | 8 21 39 34 | 7 33 | 8 21 33 15 | 8 21 38 20 | 5 5 | 15.9 | 905. | 380. | 135.4 |
| CRO (C) FPQ-6 | 8 21 47 13 | 8 21 56 13 | 8 59 | 8 21 48 29 | 8 21 54 47 | 6 17 | 15.8 | 975. | 540. | 135.6 |
| CRO (S) USB-30' | 8 21 47 13 | 8 21 56 13 | 9 0 | 8 21 48 29 | 8 21 54 47 | 6 17 | 15.8 | 975. | 539. | 135.6 |
| HSK (S) USB-85' | 8 21 54 25 | 8 22 3 53 | 9 28 | 8 21 55 42 | 8 22 2 33 | 6 50 | 18.5 | 1053. | 522. | 135.7 |
| HTV (S) USB-30' | 8 22 2 35 | 8 22 11 41 | 9 6 | 8 22 4 2 | 8 22 10 17 | 6 14 | 14.3 | 1105. | 611. | 135.8 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| HAW (C) FPS-16M | 8 22 16 33 | 8 22 20 8 | 3 34 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.4 | 1070. | 1022. | 135.8 |
| HAW (S) USB-30' | 8 22 16 33 | 8 22 20 8 | 3 34 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.4 | 1070. | 1022. | 135.8 |
| RED (S) USB-30' | 8 22 14 43 | 8 22 23 53 | 9 9 | 8 22 15 55 | 8 22 22 44 | 6 48 | 24.6 | 1071. | 376. | 135.9 |
| CAL (C) FPS-16 | 8 22 24 23 | 8 22 31 30 | 7 7 | 8 22 26 0 | 8 22 30 2 | 4 1 | 8.5 | 912. | 605. | 136.0 |
| GDS (S) USB-85' | 8 22 25 12 | 8 22 32 22 | 7 9 | 8 22 26 41 | 8 22 30 54 | 4 12 | 10.5 | 729. | 537. | 136.0 |
| GYM (S) USB-30' | 8 22 25 11 | 8 22 33 36 | 8 25 | 8 22 26 13 | 8 22 32 42 | 6 28 | 49.1 | 831. | 180. | 136.0 |
| WHS (C) FPS-16M | 8 22 26 35 | 8 22 34 45 | 8 10 | 8 22 27 41 | 8 22 33 44 | 6 3 | 34.7 | 909. | 220. | 136.0 |
| TEX (S) USB-30' | 8 22 28 22 | 8 22 36 20 | 7 58 | 8 22 29 32 | 8 22 35 8 | 5 36 | 23.5 | 847. | 286. | 136.0 |
| MIL (S) USB-30' | 8 22 32 33 | 8 22 39 55 | 7 21 | 8 22 33 42 | 8 22 38 48 | 5 6 | 16.5 | 829. | 339. | 136.1 |
| PAT (C) FPQ-6 | 8 22 32 36 | 8 22 39 54 | 7 18 | 8 22 33 46 | 8 22 38 47 | 5 0 | 15.7 | 839. | 351. | 136.1 |
| GBI (C) TPQ-18 | 8 22 33 22 | 8 22 40 14 | 6 52 | 8 22 34 42 | 8 22 38 54 | 4 12 | 12.6 | 646. | 406. | 136.1 |
| GBM (S) USB-30' | 8 22 33 22 | 8 22 40 15 | 6 52 | 8 22 34 42 | 8 22 38 55 | 4 12 | 12.6 | 645. | 406. | 136.1 |
| BCA (C) FPS-16M | 8 22 36 2 | 8 22 43 25 | 7 22 | 8 22 37 12 | 8 22 42 37 | 5 25 | 27.3 | 765. | 218. | 136.1 |
| BDQ (C) FPQ-6 | 8 22 36 2 | 8 22 43 25 | 7 22 | 8 22 37 12 | 8 22 42 37 | 5 25 | 27.3 | 765. | 219. | 136.1 |
| BDA (S) USB-30' | 8 22 36 2 | 8 22 43 24 | 7 22 | 8 22 37 12 | 8 22 42 37 | 5 25 | 27.4 | 765. | 218. | 136.1 |
| VAN (S) USB-30' | 8 22 40 36 | 8 22 47 18 | 6 41 | 8 22 41 39 | 8 22 46 23 | 4 44 | 14.0 | 766. | 338. | 136.2 |
| CYI (C) MPS26 | 8 22 48 43 | 8 22 51 58 | 3 15 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.6 | 749. | 708. | 136.2 |
| CYI (S) USB-30' | 8 22 48 43 | 8 22 51 58 | 3 15 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.6 | 749. | 708. | 136.2 |
| PRE (C) MPS-25M | 8 23 4 6 | 8 23 10 39 | 6 32 | 8 23 5 52 | 8 23 8 49 | 2 57 | 8.0 | 757. | 593. | 136.4 |
| TAN (C) FPS-16M | 8 23 6 24 | 8 23 14 46 | 8 21 | 8 23 7 29 | 8 23 13 28 | 5 59 | 19.8 | 815. | 381. | 136.4 |
| CRO (C) FPQ-6 | 8 23 22 3 | 8 23 32 2 | 9 58 | 8 23 23 18 | 8 23 30 46 | 7 27 | 27.2 | 1021. | 395. | 136.6 |
| CRO (S) USB-30' | 8 23 22 3 | 8 23 32 2 | 9 58 | 8 23 23 18 | 8 23 30 46 | 7 27 | 27.3 | 1020. | 394. | 136.6 |
| HSK (S) USB-85' | 8 23 30 39 | 8 23 36 9 | 5 30 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.3 | 1137. | 1013. | 136.6 |
| HTV (S) USB-30' | 8 23 37 4 | 8 23 47 0 | 9 56 | 8 23 38 10 | 8 23 45 58 | 7 47 | 31.0 | 1181. | 345. | 136.7 |
| HAW (C) FPS-16M | 8 23 48 26 | 8 23 57 15 | 8 49 | 8 23 49 38 | 8 23 56 16 | 6 37 | 27.8 | 977. | 317. | 136.8 |
| HAW (S) USB-30' | 8 23 48 26 | 8 23 57 15 | 8 49 | 8 23 49 39 | 8 23 56 16 | 6 37 | 27.7 | 977. | 317. | 136.8 |
| RED (S) USB-30' | 8 23 49 50 | 8 23 58 22 | 8 31 | 8 23 51 13 | 8 23 57 5 | 5 51 | 16.6 | 849. | 444. | 136.8 |
| CAL (C) FPS-16 | 8 23 58 27 | 9 0 6 25 | 7 58 | 8 23 59 34 | 9 0 5 16 | 5 41 | 27.0 | 859. | 255. | 136.9 |
| GDS (S) USB-85' | 8 23 59 21 | 9 0 7 4 | 7 42 | 9 0 0 30 | 9 0 6 11 | 5 40 | 27.5 | 599. | 251. | 136.9 |
| GYM (S) USB-30' | 9 0 0 35 | 9 0 8 8 | 7 33 | 9 0 1 45 | 9 0 6 57 | 5 12 | 17.9 | 860. | 334. | 137.0 |
| WHS (C) FPS-16M | 9 0 1 30 | 9 0 9 13 | 7 42 | 9 0 2 40 | 9 0 8 26 | 5 46 | 42.8 | 835. | 168. | 137.0 |
| TEX (S) USB-30' | 9 0 3 53 | 9 0 10 56 | 7 2 | 9 0 5 14 | 9 0 9 51 | 4 37 | 15.0 | 682. | 362. | 137.0 |
| MIL (S) USB-30' | 9 0 7 38 | 9 0 14 49 | 7 10 | 9 0 8 51 | 9 0 13 50 | 4 59 | 29.5 | 567. | 196. | 137.0 |
| PAT (C) FPQ-6 | 9 0 7 41 | 9 0 14 50 | 7 8 | 9 0 8 55 | 9 0 13 51 | 4 55 | 26.9 | 580. | 211. | 137.0 |
| GBI (C) TPQ-18 | 9 0 8 26 | 9 0 15 17 | 6 50 | 9 0 9 33 | 9 0 14 22 | 4 48 | 14.8 | 777. | 336. | 137.1 |
| GBM (S) USB-30' | 9 0 8 27 | 9 0 15 18 | 6 50 | 9 0 9 33 | 9 0 14 22 | 4 49 | 14.8 | 776. | 337. | 137.1 |
| BCA (C) FPS-16M | 9 0 11 12 | 9 0 17 38 | 6 25 | 9 0 12 19 | 9 0 16 30 | 4 10 | 12.5 | 705. | 355. | 137.1 |
| BDQ (C) FPQ-6 | 9 0 11 12 | 9 0 17 38 | 6 25 | 9 0 12 19 | 9 0 16 30 | 4 10 | 12.5 | 705. | 355. | 137.1 |
| BDA (S) USB-30' | 9 0 11 12 | 9 0 17 37 | 6 25 | 9 0 12 19 | 9 0 16 30 | 4 10 | 12.5 | 705. | 355. | 137.1 |
| ANG (S) USB-30' | 9 0 13 49 | 9 0 19 11 | 5 22 | 9 0 16 12 | 9 0 17 26 | 1 14 | 5.9 | 787. | 521. | 137.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A)CS M - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VAN (S) USB-30' | 9 | 0 | 16 | 59 | 9 | 0 | 19 | 33 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .8 | 788. | 753. | 137.1 |
| ASC (C) TPQ-18 | 9 | 0 | 26 | 58 | 9 | 0 | 33 | 55 | 6 | 57 | 9 | 0 | 27 | 59 | 9 | 0 | 32 | 40 | 4 | 41 | 13.2 | 807. | 392. | 137.2 |
| ACN (S) USB-30' | 9 | 0 | 26 | 59 | 9 | 0 | 33 | 56 | 6 | 57 | 9 | 0 | 27 | 59 | 9 | 0 | 32 | 41 | 4 | 42 | 13.4 | 808. | 388. | 137.2 |
| PRE (C) MPS-25M | 9 | 0 | 37 | 29 | 9 | 0 | 46 | 28 | 8 | 58 | 9 | 0 | 38 | 31 | 9 | 0 | 45 | 10 | 6 | 39 | 45.3 | 804. | 203. | 137.4 |
| TAN (C) FPS-16M | 9 | 0 | 42 | 27 | 9 | 0 | 49 | 19 | 6 | 52 | 9 | 0 | 44 | 31 | 9 | 0 | 47 | 16 | 2 | 44 | 6.3 | 1086. | 757. | 137.4 |
| CRO (C) FPQ-6 | 9 | 0 | 56 | 52 | 9 | 1 | 7 | 12 | 10 | 19 | 9 | 0 | 57 | 55 | 9 | 1 | 6 | 9 | 8 | 13 | 39.1 | 1173. | 307. | 137.6 |
| CRO (S) USB-30' | 9 | 0 | 56 | 52 | 9 | 1 | 7 | 12 | 10 | 19 | 9 | 0 | 57 | 55 | 9 | 1 | 6 | 9 | 8 | 13 | 39.0 | 1173. | 308. | 137.6 |
| GWM (S) USB-30' | 9 | 1 | 11 | 29 | 9 | 1 | 17 | 24 | 5 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 1084. | 932. | 137.7 |
| HTV (S) USB-30' | 9 | 1 | 14 | 44 | 9 | 1 | 18 | 57 | 4 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 1102. | 1011. | 137.7 |
| HAW (C) FPS-16M | 9 | 1 | 23 | 33 | 9 | 1 | 31 | 50 | 8 | 17 | 9 | 1 | 24 | 51 | 9 | 1 | 30 | 44 | 5 | 53 | 19.5 | 807. | 378. | 137.8 |
| HAW (S) USB-30' | 9 | 1 | 23 | 33 | 9 | 1 | 31 | 50 | 8 | 17 | 9 | 1 | 24 | 51 | 9 | 1 | 30 | 44 | 5 | 53 | 19.5 | 807. | 378. | 137.8 |
| RED (S) USB-30' | 9 | 1 | 27 | 56 | 9 | 1 | 31 | 9 | 3 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 948. | 900. | 137.8 |
| CAL (C) FPS-16 | 9 | 1 | 33 | 19 | 9 | 1 | 40 | 51 | 7 | 32 | 9 | 1 | 34 | 23 | 9 | 1 | 39 | 56 | 5 | 32 | 46.0 | 530. | 151. | 137.9 |
| GDS (S) USB-85' | 9 | 1 | 34 | 8 | 9 | 1 | 41 | 31 | 7 | 23 | 9 | 1 | 35 | 17 | 9 | 1 | 40 | 39 | 5 | 21 | 20.3 | 755. | 288. | 138.0 |
| GYM (S) USB-30' | 9 | 1 | 35 | 52 | 9 | 1 | 42 | 55 | 7 | 3 | 9 | 1 | 37 | 10 | 9 | 1 | 41 | 55 | 4 | 45 | 18.3 | 645. | 298. | 138.0 |
| WHS (C) FPS-16M | 9 | 1 | 36 | 34 | 9 | 1 | 43 | 52 | 7 | 17 | 9 | 1 | 37 | 32 | 9 | 1 | 42 | 56 | 5 | 23 | 26.5 | 776. | 212. | 138.0 |
| TEX (S) USB-30' | 9 | 1 | 38 | 59 | 9 | 1 | 46 | 2 | 7 | 2 | 9 | 1 | 39 | 53 | 9 | 1 | 44 | 59 | 5 | 5 | 26.7 | 835. | 205. | 188.0 |
| MIL (S) USB-30' | 9 | 1 | 42 | 39 | 9 | 1 | 49 | 13 | 6 | 33 | 9 | 1 | 43 | 41 | 9 | 1 | 48 | 18 | 4 | 37 | 13.8 | 778. | 331. | 138.0 |
| PAT (C) FPQ-6 | 9 | 1 | 42 | 41 | 9 | 1 | 49 | 18 | 6 | 36 | 9 | 1 | 43 | 41 | 9 | 1 | 48 | 23 | 4 | 41 | 13.9 | 763. | 330. | 138.0 |
| GBI (C) TPQ-18 | 9 | 1 | 43 | 18 | 9 | 1 | 50 | 5 | 6 | 46 | 9 | 1 | 44 | 19 | 9 | 1 | 48 | 58 | 4 | 39 | 22.3 | 607. | 226. | 138.0 |
| GBM (S) USB-30' | 9 | 1 | 43 | 19 | 9 | 1 | 50 | 5 | 6 | 46 | 9 | 1 | 44 | 19 | 9 | 1 | 48 | 58 | 4 | 38 | 22.3 | 606. | 226. | 138.0 |
| ANG (S) USB-30' | 9 | 1 | 47 | 52 | 9 | 1 | 54 | 47 | 6 | 55 | 9 | 1 | 49 | 4 | 9 | 1 | 53 | 45 | 4 | 41 | 34.1 | 546. | 159. | 138.1 |
| ASC (C) TPQ-18 | 9 | 2 | 1 | 37 | 9 | 2 | 8 | 40 | 7 | 2 | 9 | 2 | 2 | 56 | 9 | 2 | 7 | 11 | 4 | 14 | 11.5 | 697. | 471. | 138.2 |
| ACN (S) USB-30' | 9 | 2 | 1 | 38 | 9 | 2 | 8 | 40 | 7 | 1 | 9 | 2 | 2 | 58 | 9 | 2 | 7 | 11 | 4 | 12 | 11.4 | 696. | 474. | 138.2 |
| PRE (C) MPS-25M | 9 | 2 | 12 | 29 | 9 | 2 | 21 | 29 | 9 | 0 | 9 | 2 | 13 | 37 | 9 | 2 | 20 | 15 | 6 | 37 | 21.9 | 1071. | 404. | 138.4 |
| TAN (C) FPS-16M | 9 | 2 | 18 | 24 | 9 | 2 | 24 | 52 | 6 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 1018. | 880. | 138.4 |
| CRO (C) FPQ-6 | 9 | 2 | 32 | 37 | 9 | 2 | 40 | 36 | 7 | 58 | 9 | 2 | 34 | 26 | 9 | 2 | 38 | 48 | 4 | 21 | 8.6 | 1118. | 780. | 138.6 |
| CRO (S) USB-30' | 9 | 2 | 32 | 37 | 9 | 2 | 40 | 36 | 7 | 58 | 9 | 2 | 34 | 27 | 9 | 2 | 38 | 48 | 4 | 21 | 8.6 | 1119. | 780. | 138.6 |
| GWM (S) USB-30' | 9 | 2 | 44 | 18 | 9 | 2 | 53 | 52 | 9 | 33 | 9 | 2 | 45 | 29 | 9 | 2 | 52 | 49 | 7 | 19 | 52.9 | 985. | 213. | 138.7 |
| HAW (C) FPS-16M | 9 | 2 | 59 | 59 | 9 | 3 | 5 | 54 | 5 | 54 | 9 | 3 | 2 | 24 | 9 | 3 | 3 | 41 | 1 | 17 | 6.1 | 788. | 628. | 138.8 |
| HAW (S) USB-30' | 9 | 2 | 59 | 59 | 9 | 3 | 5 | 54 | 5 | 54 | 9 | 3 | 2 | 24 | 9 | 3 | 3 | 41 | 1 | 17 | 6.1 | 788. | 628. | 138.8 |
| CAL (C) FPS-16 | 9 | 3 | 8 | 17 | 9 | 3 | 15 | 0 | 6 | 42 | 9 | 3 | 9 | 29 | 9 | 3 | 14 | 1 | 4 | 31 | 14.6 | 704. | 337. | 138.9 |
| GDS (S) USB-85' | 9 | 3 | 9 | 15 | 9 | 3 | 15 | 30 | 6 | 14 | 9 | 3 | 10 | 32 | 9 | 3 | 14 | 16 | 3 | 43 | 10.1 | 734. | 413. | 138.9 |
| GYM (S) USB-30' | 9 | 3 | 10 | 49 | 9 | 3 | 17 | 48 | 6 | 59 | 9 | 3 | 11 | 41 | 9 | 3 | 16 | 54 | 5 | 12 | 25.2 | 783. | 208. | 139.0 |
| WHS (C) FPS-16M | 9 | 3 | 11 | 43 | 9 | 3 | 17 | 48 | 6 | 5 | 9 | 3 | 13 | 8 | 9 | 3 | 16 | 24 | 3 | 16 | 10.0 | 673. | 405. | 139.0 |
| TEX (S) USB-30' | 9 | 3 | 13 | 56 | 9 | 3 | 20 | 16 | 6 | 20 | 9 | 3 | 15 | 18 | 9 | 3 | 18 | 56 | 3 | 38 | 12.8 | 596. | 344. | 139.0 |
| PRE (C) MPS-25M | 9 | 3 | 47 | 37 | 9 | 3 | 56 | 57 | 9 | 20 | 9 | 3 | 48 | 53 | 9 | 3 | 55 | 39 | 6 | 45 | 17.6 | 822. | 514. | 139.4 |
| TAN (C) FPS-16M | 9 | 3 | 53 | 3 | 9 | 4 | 1 | 37 | 8 | 34 | 9 | 3 | 54 | 34 | 9 | 4 | 0 | 1 | 5 | 27 | 11.4 | 1144. | 683. | 139.4 |
| GWM (S) USB-30' | 9 | 4 | 20 | 12 | 9 | 4 | 27 | 48 | 7 | 36 | 9 | 4 | 21 | 49 | 9 | 4 | 26 | 19 | 4 | 29 | 9.2 | 928. | 617. | 139.7 |
| HAW (C) FPS-16M | 9 | 4 | 35 | 58 | 9 | 4 | 40 | 50 | 4 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 724. | 650. | 139.8 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HAW (S) USB-30' | 9 | 4 | 35 | 58 | 9 | 4 | 40 | 50 | 4 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 724. | 650. | 139.8 |
| CAL (C) FPS-16 | 9 | 4 | 44 | 30 | 9 | 4 | 47 | 32 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 748. | 740. | 139.9 |
| GYM (S) USB-30' | 9 | 4 | 46 | 34 | 9 | 4 | 50 | 55 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 723. | 611. | 139.9 |
| PRE (C) MPS-25M | 9 | 5 | 22 | 22 | 9 | 5 | 32 | 37 | 10 | 15 | 9 | 5 | 23 | 30 | 9 | 5 | 31 | 22 | 7 | 52 | 44.2 | 1007. | 274. | 140.4 |
| TAN (C) FPS-16M | 9 | 5 | 27 | 22 | 9 | 5 | 37 | 43 | 10 | 20 | 9 | 5 | 28 | 31 | 9 | 5 | 36 | 35 | 8 | 4 | 42.3 | 1066. | 289. | 140.4 |
| HAW (C) FPS-16M | 9 | 6 | 10 | 26 | 9 | 6 | 16 | 50 | 6 | 23 | 9 | 6 | 11 | 42 | 9 | 6 | 15 | 39 | 3 | 57 | 11.6 | 711. | 377. | 140.8 |
| HAW (S) USB-30' | 9 | 6 | 10 | 26 | 9 | 6 | 16 | 50 | 6 | 23 | 9 | 6 | 11 | 42 | 9 | 6 | 15 | 39 | 3 | 57 | 11.6 | 711. | 377. | 140.8 |
| RED (S) USB-30' | 9 | 6 | 14 | 0 | 9 | 6 | 19 | 8 | 5 | 8 | 9 | 6 | 16 | 52 | 9 | 6 | 17 | 13 | 0 | 20 | 5.3 | 794. | 544. | 140.9 |
| PRE (C) MPS-25M | 9 | 6 | 57 | 19 | 9 | 7 | 7 | 15 | 9 | 56 | 9 | 6 | 58 | 30 | 9 | 7 | 6 | 7 | 7 | 37 | 25.2 | 1154. | 423. | 141.4 |
| TAN (C) FPS-16M | 9 | 7 | 2 | 39 | 9 | 7 | 11 | 53 | 9 | 13 | 9 | 7 | 4 | 1 | 9 | 7 | 10 | 31 | 6 | 30 | 16.1 | 1111. | 565. | 141.4 |
| HAW (C) FPS-16M | 9 | 7 | 45 | 9 | 9 | 7 | 51 | 42 | 6 | 33 | 9 | 7 | 46 | 5 | 9 | 7 | 50 | 42 | 4 | 37 | 16.5 | 683. | 283. | 141.8 |
| HAW (S) USB-30' | 9 | 7 | 45 | 9 | 9 | 7 | 51 | 42 | 6 | 33 | 9 | 7 | 46 | 5 | 9 | 7 | 50 | 42 | 4 | 37 | 16.5 | 683. | 283. | 141.8 |
| RED (S) USB-30' | 9 | 7 | 47 | 54 | 9 | 7 | 54 | 49 | 6 | 54 | 9 | 7 | 49 | 7 | 9 | 7 | 53 | 47 | 4 | 40 | 32.1 | 555. | 167. | 141.8 |
| ASC (C) TPQ-18 | 9 | 8 | 28 | 55 | 9 | 8 | 29 | 26 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .2 | 1177. | 1177. | 142.2 |
| ACN (S) USB-30' | 9 | 8 | 28 | 55 | 9 | 8 | 29 | 26 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .2 | 1176. | 1176. | 142.2 |
| PRE (C) MPS-25M | 9 | 8 | 34 | 13 | 9 | 8 | 39 | 20 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 1144. | 1026. | 142.3 |
| ASC (C) TPQ-18 | 9 | 10 | 0 | 12 | 9 | 10 | 9 | 25 | 9 | 13 | 9 | 10 | 1 | 37 | 9 | 10 | 8 | 4 | 6 | 26 | 15.3 | 1121. | 589. | 143.3 |
| ACN (S) USB-30' | 9 | 10 | 0 | 13 | 9 | 10 | 9 | 26 | 9 | 13 | 9 | 10 | 1 | 38 | 9 | 10 | 8 | 5 | 6 | 26 | 15.3 | 1116. | 587. | 143.3 |
| GWM (S) USB-30' | 9 | 10 | 44 | 16 | 9 | 10 | 49 | 23 | 5 | 6 | 9 | 10 | 46 | 50 | 9 | 10 | 47 | 17 | 0 | 27 | 5.4 | 753. | 536. | 143.7 |
| HTV (S) USB-30' | 9 | 10 | 54 | 40 | 9 | 10 | 55 | 46 | 1 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 789. | 789. | 143.7 |
| MER (S) USB-30' | 9 | 11 | 0 | 37 | 9 | 11 | 7 | 5 | 6 | 28 | 9 | 11 | 2 | 9 | 9 | 11 | 5 | 31 | 3 | 21 | 8.2 | 795. | 545. | 143.8 |
| ASC (C) TPQ-18 | 9 | 11 | 34 | 39 | 9 | 11 | 44 | 43 | 10 | 3 | 9 | 11 | 35 | 47 | 9 | 11 | 43 | 33 | 7 | 45 | 34.4 | 1101. | 327. | 144.2 |
| ACN (S) USB-30' | 9 | 11 | 34 | 41 | 9 | 11 | 44 | 43 | 10 | 2 | 9 | 11 | 35 | 49 | 9 | 11 | 43 | 34 | 7 | 45 | 33.9 | 1106. | 330. | 144.2 |
| GWM (S) USB-30' | 9 | 12 | 18 | 10 | 9 | 12 | 24 | 58 | 6 | 48 | 9 | 12 | 19 | 15 | 9 | 12 | 24 | 0 | 4 | 45 | 24.3 | 609. | 210. | 144.7 |
| HTV (S) USB-30' | 9 | 12 | 26 | 9 | 9 | 12 | 33 | 43 | 7 | 34 | 9 | 12 | 27 | 11 | 9 | 12 | 32 | 43 | 5 | 31 | 32.8 | 798. | 189. | 144.7 |
| MER (S) USB-30' | 9 | 12 | 34 | 11 | 9 | 12 | 42 | 44 | 8 | 33 | 9 | 12 | 35 | 15 | 9 | 12 | 41 | 32 | 6 | 17 | 28.9 | 747. | 277. | 144.8 |
| ASC (C) TPQ-18 | 9 | 13 | 12 | 28 | 9 | 13 | 16 | 21 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 1088. | 1038. | 145.2 |
| ACN (S) USB-30' | 9 | 13 | 12 | 30 | 9 | 13 | 16 | 20 | 3 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 1091. | 1039. | 145.2 |
| CYI (C) MPS26 | 9 | 13 | 16 | 35 | 9 | 13 | 22 | 18 | 5 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 1042. | 872. | 145.2 |
| CYI (S) USB-30' | 9 | 13 | 16 | 35 | 9 | 13 | 22 | 18 | 5 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 1042. | 872. | 145.2 |
| HTV (S) USB-30' | 9 | 14 | 2 | 27 | 9 | 14 | 7 | 11 | 4 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 957. | 765. | 145.7 |
| MER (S) USB-30' | 9 | 14 | 9 | 36 | 9 | 14 | 17 | 31 | 7 | 54 | 9 | 14 | 11 | 0 | 9 | 14 | 16 | 0 | 5 | 0 | 11.8 | 1035. | 565. | 145.8 |
| ANG (S) USB-30' | 9 | 14 | 41 | 29 | 9 | 14 | 43 | 51 | 2 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1103. | 1103. | 146.1 |
| CYI (C) MPS26 | 9 | 14 | 49 | 29 | 9 | 14 | 58 | 17 | 8 | 47 | 9 | 14 | 50 | 43 | 9 | 14 | 57 | 5 | 6 | 21 | 23.1 | 750. | 358. | 146.2 |
| CYI (S) USB-30' | 9 | 14 | 49 | 29 | 9 | 14 | 58 | 17 | 8 | 47 | 9 | 14 | 50 | 43 | 9 | 14 | 57 | 5 | 6 | 21 | 23.0 | 750. | 358. | 146.2 |
| MAD (S) USB-85' | 9 | 14 | 54 | 36 | 9 | 14 | 59 | 38 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 947. | 746. | 146.3 |
| HSK (S) USB-85' | 9 | 15 | 35 | 46 | 9 | 15 | 41 | 8 | 5 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 1025. | 794. | 146.7 |
| MER (S) USB-30' | 9 | 15 | 45 | 10 | 9 | 15 | 52 | 57 | 7 | 46 | 9 | 15 | 46 | 46 | 9 | 15 | 51 | 14 | 4 | 27 | 9.2 | 867. | 701. | 146.8 |
| ANG (S) USB-30' | 9 | 16 | 12 | 39 | 9 | 16 | 21 | 55 | 9 | 16 | 9 | 16 | 13 | 51 | 9 | 16 | 20 | 47 | 6 | 55 | 26.3 | 1060. | 362. | 147.1 |
| VAN (S) USB-30' | 9 | 16 | 19 | 9 | 9 | 16 | 26 | 25 | 7 | 16 | 9 | 16 | 20 | 48 | 9 | 16 | 24 | 48 | 4 | 0 | 9.2 | 796. | 631. | 147.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| CYI (C) MPS26 | 9 16 24 29 | 9 16 32 47 | 8 17 | 9 16 25 37 | 9 16 31 45 | 6 8 | 33.0 | 903. | 235. | 147.2 |
| CYI (S) USB-30° | 9 16 24 29 | 9 16 32 47 | 8 17 | 9 16 25 37 | 9 16 31 45 | 6 8 | 33.0 | 903. | 235. | 147.2 |
| MAD (S) USB-85° | 9 16 28 12 | 9 16 35 1 | 6 48 | 9 16 29 45 | 9 16 33 42 | 3 56 | 9.6 | 813. | 525. | 147.3 |
| CRO (C) FPQ-6 | 9 17 0 59 | 9 17 7 40 | 6 41 | 9 17 2 22 | 9 17 6 6 | 3 43 | 8.3 | 880. | 563. | 147.6 |
| CRO (S) USB-30° | 9 17 0 59 | 9 17 7 41 | 6 41 | 9 17 2 22 | 9 17 6 6 | 3 43 | 8.3 | 880. | 564. | 147.6 |
| HSK (S) USB-85° | 9 17 8 24 | 9 17 17 0 | 8 35 | 9 17 9 32 | 9 17 15 46 | 6 14 | 20.5 | 860. | 397. | 147.7 |
| MER (S) USB-30° | 9 17 19 51 | 9 17 29 7 | 9 16 | 9 17 21 13 | 9 17 27 48 | 6 35 | 16.4 | 1185. | 550. | 147.9 |
| MIL (S) USB-30° | 9 17 46 15 | 9 17 52 42 | 6 26 | 9 17 48 44 | 9 17 49 55 | 1 11 | 5.7 | 988. | 801. | 148.1 |
| PAT (C) FPQ-6 | 9 17 46 9 | 9 17 52 45 | 6 36 | 9 17 48 31 | 9 17 50 21 | 1 49 | 6.1 | 971. | 783. | 148.1 |
| GBI (C) TPQ-18 | 9 17 45 50 | 9 17 53 34 | 7 43 | 9 17 47 30 | 9 17 52 3 | 4 33 | 9.7 | 963. | 654. | 148.1 |
| GBM (S) USB-30° | 9 17 45 50 | 9 17 53 34 | 7 43 | 9 17 47 30 | 9 17 52 4 | 4 33 | 9.7 | 961. | 654. | 148.1 |
| BCA (C) FPS-16M | 9 17 49 25 | 9 17 56 57 | 7 32 | 9 17 50 57 | 9 17 55 35 | 4 38 | 10.9 | 785. | 577. | 148.1 |
| BDQ (C) FPQ-6 | 9 17 49 25 | 9 17 56 57 | 7 32 | 9 17 50 57 | 9 17 55 35 | 4 38 | 10.9 | 785. | 577. | 148.1 |
| BCA (S) USB-30° | 9 17 49 25 | 9 17 56 57 | 7 32 | 9 17 50 57 | 9 17 55 35 | 4 37 | 10.9 | 785. | 577. | 148.1 |
| ANG (S) USB-30° | 9 17 47 43 | 9 17 56 23 | 8 39 | 9 17 49 7 | 9 17 55 7 | 5 59 | 17.3 | 831. | 438. | 148.1 |
| VAN (S) USB-30° | 9 17 53 3 | 9 18 1 25 | 8 21 | 9 17 54 6 | 9 18 0 31 | 6 24 | 37.6 | 1033. | 222. | 148.2 |
| CYI (C) MPS26 | 9 17 59 58 | 9 18 7 17 | 7 18 | 9 18 1 18 | 9 18 6 15 | 4 57 | 14.9 | 833. | 386. | 148.2 |
| CYI (S) USB-30° | 9 17 59 58 | 9 18 7 17 | 7 18 | 9 18 1 18 | 9 18 6 15 | 4 57 | 14.9 | 833. | 385. | 148.2 |
| MAD (S) USB-85° | 9 18 2 49 | 9 18 8 58 | 6 8 | 9 18 4 24 | 9 18 7 33 | 3 8 | 7.3 | 864. | 552. | 148.2 |
| CRO (C) FPQ-6 | 9 18 34 34 | 9 18 43 9 | 8 34 | 9 18 35 30 | 9 18 42 6 | 6 36 | 45.8 | 1051. | 196. | 148.6 |
| CRO (S) USB-30° | 9 19 34 35 | 9 18 43 9 | 8 34 | 9 18 35 30 | 9 18 42 7 | 6 36 | 46.0 | 1051. | 196. | 148.6 |
| HSK (S) USB-85° | 9 18 42 33 | 9 18 52 5 | 9 32 | 9 18 43 34 | 9 18 50 52 | 7 17 | 46.1 | 955. | 235. | 148.7 |
| MER (S) USB-30° | 9 18 54 22 | 9 19 4 46 | 10 24 | 9 18 55 29 | 9 19 3 36 | 8 7 | 63.2 | 1021. | 221. | 148.8 |
| GYM (S) USB-30° | 9 19 15 35 | 9 19 19 51 | 4 16 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.1 | 1009. | 990. | 149.0 |
| WHS (C) FPS-16M | 9 19 18 40 | 9 19 19 40 | 1 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | .4 | 1062. | 1062. | 149.0 |
| TEX (S) USB-30° | 9 19 16 21 | 9 19 24 19 | 7 58 | 9 19 17 53 | 9 19 22 53 | 5 0 | 11.3 | 979. | 586. | 149.0 |
| MIL (S) USB-30° | 9 19 19 30 | 9 19 28 20 | 8 50 | 9 19 20 44 | 9 19 27 8 | 6 24 | 24.6 | 743. | 327. | 149.1 |
| PAT (C) FPQ-6 | 9 19 19 29 | 9 19 28 20 | 8 51 | 9 19 20 42 | 9 19 27 5 | 6 27 | 25.6 | 737. | 319. | 149.1 |
| GBI (C) TPQ-18 | 9 19 19 45 | 9 19 28 43 | 8 57 | 9 19 21 3 | 9 19 27 40 | 6 37 | 42.8 | 796. | 211. | 149.1 |
| GBM (S) USB-30° | 9 19 19 46 | 9 19 28 43 | 8 57 | 9 19 21 3 | 9 19 27 41 | 6 37 | 43.1 | 797. | 210. | 149.1 |
| ANG (S) USB-30° | 9 19 25 1 | 9 19 29 36 | 4 35 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.8 | 1004. | 836. | 149.1 |
| BDA (C) FPS-16M | 9 19 23 27 | 9 19 31 54 | 8 27 | 9 19 24 37 | 9 19 30 53 | 6 15 | 30.2 | 774. | 263. | 149.1 |
| BDQ (C) FPQ-6 | 9 19 23 27 | 9 19 31 54 | 8 27 | 9 19 24 37 | 9 19 30 53 | 6 15 | 30.2 | 774. | 263. | 149.1 |
| BCA (S) USB-30° | 9 19 23 27 | 9 19 31 54 | 8 27 | 9 19 24 37 | 9 19 30 53 | 6 15 | 30.2 | 774. | 263. | 149.1 |
| VAN (S) USB-30° | 9 19 27 54 | 9 19 35 59 | 8 4 | 9 19 29 9 | 9 19 34 58 | 5 48 | 25.3 | 729. | 259. | 149.2 |
| CYI (C) MPS26 | 9 19 35 8 | 9 19 42 19 | 7 10 | 9 19 36 6 | 9 19 41 7 | 5 0 | 28.7 | 577. | 202. | 149.2 |
| CYI (S) USB-30° | 9 19 35 8 | 9 19 42 19 | 7 10 | 9 19 36 6 | 9 19 41 7 | 5 0 | 28.8 | 577. | 202. | 149.2 |
| MAD (S) USB-85° | 9 19 38 40 | 9 19 41 26 | 2 46 | 0 0 0 0 | 0 0 0 0 | 0 0 | .8 | 794. | 785. | 149.2 |
| CRO (C) FPQ-6 | 9 20 9 39 | 9 20 18 13 | 8 34 | 9 20 10 55 | 9 20 16 49 | 5 54 | 16.0 | 910. | 474. | 149.6 |
| CRO (S) USB-30° | 9 20 9 39 | 9 20 18 13 | 8 34 | 9 20 10 55 | 9 20 16 49 | 5 54 | 16.0 | 909. | 474. | 149.6 |

TABLE VI- 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(A) CSM - CONCLUDED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 9 20 17 7 | 9 20 26 48 | 9 40 | 9 20 18 9 | 9 20 25 34 | 7 25 | 29.1 | 828. | 353. | 149.7 |
| HTV (S) USB-30' | 9 20 26 53 | 9 20 31 46 | 4 52 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.4 | 1152. | 1047. | 149.8 |
| MER (S) USB-30' | 9 20 29 52 | 9 20 38 28 | 8 36 | 9 20 31 28 | 9 20 36 54 | 5 25 | 10.5 | 979. | 711. | 149.8 |
| RED (S) USB-30' | 9 20 38 46 | 9 20 45 14 | 6 28 | 0 0 0 0 | 0 0 0 0 | 0 0 | 4.5 | 1117. | 910. | 149.9 |
| CAL (C) FPS-16 | 9 20 48 47 | 9 20 53 10 | 4 23 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.3 | 1046. | 932. | 150.0 |
| GDS (S) USB-85' | 9 20 49 17 | 9 20 54 11 | 4 54 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.9 | 915. | 901. | 150.0 |
| GYM (S) USB-30' | 9 20 47 42 | 9 20 56 26 | 8 43 | 9 20 49 3 | 9 20 55 12 | 6 9 | 19.6 | 817. | 400. | 150.0 |
| WHS (C) FPS-16M | 9 20 49 29 | 9 20 57 25 | 7 56 | 9 20 50 54 | 9 20 56 12 | 5 18 | 13.8 | 928. | 502. | 150.0 |
| TEX (S) USB-30' | 9 20 50 28 | 9 20 59 13 | 8 45 | 9 20 51 34 | 9 20 58 22 | 6 47 | 85.7 | 942. | 147. | 150.0 |
| MIL (S) USB-30' | 9 20 54 34 | 9 21 2 48 | 8 14 | 9 20 55 40 | 9 21 1 47 | 6 6 | 33.4 | 913. | 230. | 150.1 |
| PAT (C) FPQ-6 | 9 20 54 35 | 9 21 2 48 | 8 12 | 9 20 55 42 | 9 21 1 46 | 6 3 | 31.0 | 918. | 244. | 150.1 |
| GBI (C) TPQ-18 | 9 20 55 15 | 9 21 3 1 | 7 46 | 9 20 56 28 | 9 21 2 0 | 5 32 | 19.5 | 631. | 350. | 150.1 |
| GBM (S) USB-30' | 9 20 55 15 | 9 21 3 2 | 7 46 | 9 20 56 28 | 9 21 2 1 | 5 32 | 19.4 | 633. | 350. | 150.1 |
| BDA (C) FPS-16M | 9 20 58 25 | 9 21 6 25 | 8 0 | 9 20 59 29 | 9 21 5 17 | 5 48 | 41.9 | 830. | 173. | 150.1 |
| BDQ (C) FPQ-6 | 9 20 58 25 | 9 21 6 25 | 8 0 | 9 20 59 29 | 9 21 5 17 | 5 48 | 41.9 | 830. | 173. | 150.1 |
| BCA (S) USB-30' | 9 20 58 25 | 9 21 6 25 | 8 0 | 9 20 59 29 | 9 21 5 17 | 5 48 | 41.9 | 830. | 174. | 150.1 |
| VAN (S) USB-30' | 9 21 3 3 | 9 21 10 31 | 7 27 | 9 21 3 58 | 9 21 9 26 | 5 28 | 61.8 | 901. | 120. | 150.1 |
| CYI (C) MPS26 | 9 21 10 0 | 9 21 16 38 | 6 37 | 9 21 11 16 | 9 21 15 28 | 4 12 | 16.4 | 615. | 292. | 150.2 |
| CYI (S) USB-30' | 9 21 10 0 | 9 21 16 38 | 6 37 | 9 21 11 16 | 9 21 15 28 | 4 12 | 16.4 | 615. | 292. | 150.2 |
| TAN (C) FPS-16M | 9 21 29 16 | 9 21 37 3 | 7 47 | 9 21 30 9 | 9 21 36 0 | 5 51 | 41.7 | 540. | 177. | 150.4 |
| CRO (C) FPQ-6 | 9 21 44 48 | 9 21 53 42 | 8 54 | 9 21 46 3 | 9 21 52 19 | 6 16 | 16.5 | 1056. | 515. | 150.6 |
| CRO (S) USB-30' | 9 21 44 48 | 9 21 53 42 | 8 54 | 9 21 46 3 | 9 21 52 20 | 6 16 | 16.5 | 1056. | 515. | 150.6 |
| HSK (S) USB-85' | 9 21 52 1 | 9 22 0 40 | 8 39 | 9 21 53 32 | 9 21 59 9 | 5 36 | 11.5 | 966. | 677. | 150.7 |
| HTV (S) USB-30' | 9 21 59 34 | 9 22 9 26 | 9 51 | 9 22 0 52 | 9 22 8 12 | 7 20 | 26.2 | 1164. | 407. | 150.7 |
| HAW (C) FPS-16M | 9 22 12 8 | 9 22 18 45 | 6 37 | 9 22 14 22 | 9 22 16 44 | 2 22 | 6.1 | 1094. | 781. | 150.8 |
| HAW (S) USB-30' | 9 22 12 8 | 9 22 18 45 | 6 36 | 9 22 14 22 | 9 22 16 44 | 2 22 | 6.1 | 1094. | 781. | 150.8 |
| RED (S) USB-30' | 9 22 11 50 | 9 22 20 59 | 9 8 | 9 22 13 5 | 9 22 19 57 | 6 52 | 58.9 | 1150. | 187. | 150.9 |
| CAL (C) FPS-16 | 9 22 21 43 | 9 22 28 3 | 6 20 | 9 22 23 12 | 9 22 26 53 | 3 41 | 10.7 | 906. | 423. | 150.9 |
| GDS (S) USB-85' | 9 22 22 36 | 9 22 28 46 | 6 10 | 9 22 24 4 | 9 22 27 38 | 3 33 | 10.8 | 858. | 408. | 150.9 |
| GYM (S) USB-30' | 9 22 23 3 | 9 22 29 48 | 6 45 | 9 22 24 18 | 9 22 28 54 | 4 35 | 34.6 | 830. | 158. | 151.0 |
| WHS (C) FPS-16M | 9 22 24 26 | 9 22 30 51 | 6 24 | 9 22 25 39 | 9 22 29 58 | 4 19 | 43.9 | 875. | 120. | 151.0 |
| TEX (S) USB-30' | 9 22 26 40 | 9 22 32 8 | 5 27 | 9 22 28 3 | 9 22 31 7 | 3 4 | 11.4 | 753. | 294. | 151.0 |
| PAT (C) FPQ-6 | 9 22 31 11 | 9 22 35 20 | 4 9 | 9 22 32 41 | 9 22 34 10 | 1 29 | 6.8 | 652. | 287. | 151.0 |
| MIL (S) USB-30' | 9 22 31 7 | 9 22 35 22 | 4 14 | 9 22 32 33 | 9 22 34 15 | 1 42 | 7.5 | 639. | 271. | 151.0 |
| GBI (C) TPQ-18 | 9 22 32 8 | 9 22 35 32 | 3 24 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.4 | 605. | 373. | 151.0 |
| GBM (S) USB-30' | 9 22 32 8 | 9 22 35 33 | 3 24 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.4 | 606. | 373. | 151.0 |
| BDA (C) FPS-16M | 9 22 34 49 | 9 22 40 31 | 5 41 | 9 22 35 56 | 9 22 38 36 | 2 40 | 21.4 | 504. | 78. | 151.1 |
| BDQ (C) FPQ-6 | 9 22 34 49 | 9 22 40 31 | 5 41 | 9 22 35 56 | 9 22 38 36 | 2 40 | 21.4 | 504. | 78. | 151.1 |
| BCA (S) USB-30' | 9 22 34 49 | 9 22 40 30 | 5 41 | 9 22 35 56 | 9 22 38 36 | 2 40 | 21.4 | 504. | 78. | 151.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HTV (S) USB-30' | 0 | 2 | 39 | 37 | 0 | 2 | 46 | 53 | 7 | 15 | 0 | 2 | 40 | 40 | 0 | 2 | 45 | 49 | 5 | 8 | 71.2 | 795. | 111. | 2.7 |
| HAW (C) FPS-16M | 0 | 2 | 50 | 45 | 0 | 2 | 56 | 59 | 6 | 14 | 0 | 2 | 52 | 7 | 0 | 2 | 55 | 36 | 3 | 28 | 9.7 | 804. | 460. | 2.8 |
| HAW (S) USB-30' | 0 | 2 | 50 | 45 | 0 | 2 | 56 | 59 | 6 | 14 | 0 | 2 | 52 | 7 | 0 | 2 | 55 | 36 | 3 | 28 | 9.7 | 805. | 460. | 2.8 |
| RED (S) USB-30' | 0 | 2 | 51 | 25 | 0 | 2 | 58 | 34 | 7 | 8 | 0 | 2 | 52 | 29 | 0 | 2 | 57 | 27 | 4 | 57 | 25.3 | 803. | 237. | 2.8 |
| CAL (C) FPS-16 | 0 | 2 | 59 | 43 | 0 | 3 | 6 | 46 | 7 | 2 | 0 | 3 | 0 | 53 | 0 | 3 | 5 | 37 | 4 | 44 | 19.3 | 809. | 297. | 2.9 |
| GDS (S) USB-85' | 0 | 3 | 0 | 31 | 0 | 3 | 7 | 34 | 7 | 2 | 0 | 3 | 1 | 40 | 0 | 3 | 6 | 25 | 4 | 44 | 19.5 | 768. | 294. | 3.0 |
| GYM (S) USB-30' | 0 | 3 | 1 | 25 | 0 | 3 | 8 | 38 | 7 | 13 | 0 | 3 | 2 | 32 | 0 | 3 | 7 | 31 | 4 | 59 | 23.9 | 748. | 252. | 3.0 |
| WHS (C) FPS-16M | 0 | 3 | 2 | 25 | 0 | 3 | 9 | 51 | 7 | 26 | 0 | 3 | 3 | 28 | 0 | 3 | 8 | 48 | 5 | 20 | 75.2 | 741. | 113. | 3.0 |
| TEX (S) USB-30' | 0 | 3 | 4 | 35 | 0 | 3 | 11 | 35 | 6 | 59 | 0 | 3 | 5 | 47 | 0 | 3 | 10 | 24 | 4 | 36 | 16.9 | 788. | 329. | 3.0 |
| MIL (S) USB-30' | 0 | 3 | 8 | 16 | 0 | 3 | 15 | 32 | 7 | 15 | 0 | 3 | 9 | 22 | 0 | 3 | 14 | 26 | 5 | 3 | 27.2 | 764. | 226. | 3.1 |
| PAT (C) FPQ-6 | 0 | 3 | 8 | 19 | 0 | 3 | 15 | 33 | 7 | 13 | 0 | 3 | 9 | 26 | 0 | 3 | 14 | 26 | 5 | 0 | 25.4 | 761. | 240. | 3.1 |
| GBI (C) TPQ-18 | 0 | 3 | 9 | 2 | 0 | 3 | 16 | 1 | 6 | 59 | 0 | 3 | 10 | 12 | 0 | 3 | 14 | 53 | 4 | 41 | 17.0 | 665. | 326. | 3.1 |
| GBM (S) USB-30' | 0 | 3 | 9 | 2 | 0 | 3 | 16 | 2 | 6 | 59 | 0 | 3 | 10 | 12 | 0 | 3 | 14 | 53 | 4 | 41 | 17.0 | 868. | 326. | 3.1 |
| BCA (C) FPS-16M | 0 | 3 | 11 | 35 | 0 | 3 | 18 | 43 | 7 | 8 | 0 | 3 | 12 | 42 | 0 | 3 | 17 | 37 | 4 | 54 | 23.4 | 781. | 253. | 3.1 |
| BDQ (C) FPQ-6 | 0 | 3 | 11 | 35 | 0 | 3 | 18 | 43 | 7 | 8 | 0 | 3 | 12 | 42 | 0 | 3 | 17 | 37 | 4 | 54 | 23.4 | 781. | 253. | 3.1 |
| BCA (S) USB-30' | 0 | 3 | 11 | 35 | 0 | 3 | 18 | 43 | 7 | 8 | 0 | 3 | 12 | 42 | 0 | 3 | 17 | 37 | 4 | 54 | 23.4 | 781. | 253. | 3.1 |
| ANG (S) USB-30' | 0 | 3 | 14 | 26 | 0 | 3 | 19 | 43 | 5 | 16 | 0 | 3 | 16 | 55 | 0 | 3 | 17 | 10 | 0 | 15 | 5.1 | 779. | 612. | 3.1 |
| VAN (S) USB-30' | 0 | 3 | 16 | 32 | 0 | 3 | 21 | 45 | 5 | 12 | 0 | 3 | 18 | 57 | 0 | 3 | 19 | 10 | 0 | 13 | 5.1 | 792. | 611. | 3.1 |
| ASC (C) TPQ-18 | 0 | 3 | 28 | 11 | 0 | 3 | 33 | 56 | 5 | 44 | 0 | 3 | 29 | 47 | 0 | 3 | 32 | 20 | 2 | 32 | 7.3 | 704. | 517. | 3.2 |
| ACN (S) USB-30' | 0 | 3 | 28 | 12 | 0 | 3 | 33 | 57 | 5 | 45 | 0 | 3 | 29 | 47 | 0 | 3 | 32 | 22 | 2 | 34 | 7.4 | 704. | 513. | 3.2 |
| PRE (C) MPS-25M | 0 | 3 | 38 | 56 | 0 | 3 | 45 | 59 | 7 | 3 | 0 | 3 | 40 | 1 | 0 | 3 | 44 | 55 | 4 | 53 | 30.3 | 824. | 195. | 3.3 |
| TAN (C) FPS-16M | 0 | 3 | 43 | 43 | 0 | 3 | 48 | 31 | 4 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 801. | 638. | 3.4 |
| CRO (C) FPQ-6 | 0 | 3 | 58 | 19 | 0 | 4 | 5 | 36 | 7 | 17 | 0 | 3 | 59 | 21 | 0 | 4 | 4 | 34 | 5 | 12 | 77.2 | 730. | 107. | 3.6 |
| CRO (S) USB-30' | 0 | 3 | 58 | 19 | 0 | 4 | 5 | 36 | 7 | 17 | 0 | 3 | 59 | 21 | 0 | 4 | 4 | 34 | 5 | 12 | 77.5 | 730. | 107. | 3.6 |
| HTV (S) USB-30' | 0 | 4 | 14 | 53 | 0 | 4 | 17 | 44 | 2 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 838. | 790. | 3.7 |
| HAW (C) FPS-16M | 0 | 4 | 23 | 13 | 0 | 4 | 30 | 29 | 7 | 16 | 0 | 4 | 24 | 19 | 0 | 4 | 29 | 24 | 5 | 5 | 30.7 | 805. | 203. | 3.8 |
| HAW (S) USB-30' | 0 | 4 | 23 | 13 | 0 | 4 | 30 | 29 | 7 | 16 | 0 | 4 | 24 | 19 | 0 | 4 | 29 | 24 | 5 | 5 | 30.7 | 806. | 203. | 3.8 |
| RED (S) USB-30' | 0 | 4 | 26 | 38 | 0 | 4 | 30 | 13 | 3 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 804. | 765. | 3.8 |
| CAL (C) FPS-16 | 0 | 4 | 32 | 32 | 0 | 4 | 39 | 54 | 7 | 21 | 0 | 4 | 33 | 36 | 0 | 4 | 38 | 50 | 5 | 13 | 38.5 | 791. | 172. | 3.9 |
| GDS (S) USB-85' | 0 | 4 | 33 | 21 | 0 | 4 | 40 | 38 | 7 | 17 | 0 | 4 | 34 | 27 | 0 | 4 | 39 | 31 | 5 | 3 | 27.8 | 848. | 223. | 4.0 |
| GYM (S) USB-30' | 0 | 4 | 34 | 53 | 0 | 4 | 41 | 59 | 7 | 6 | 0 | 4 | 36 | 2 | 0 | 4 | 40 | 49 | 4 | 47 | 19.4 | 777. | 297. | 4.0 |
| WHS (C) FPS-16M | 0 | 4 | 35 | 35 | 0 | 4 | 43 | 1 | 7 | 25 | 0 | 4 | 36 | 39 | 0 | 4 | 41 | 58 | 5 | 18 | 64.8 | 762. | 120. | 4.0 |
| TEX (S) USB-30' | 0 | 4 | 37 | 51 | 0 | 4 | 45 | 8 | 7 | 16 | 0 | 4 | 38 | 57 | 0 | 4 | 44 | 2 | 5 | 5 | 28.5 | 738. | 218. | 4.0 |
| MIL (S) USB-30' | 0 | 4 | 41 | 26 | 0 | 4 | 48 | 43 | 7 | 17 | 0 | 4 | 42 | 32 | 0 | 4 | 47 | 38 | 5 | 6 | 33.3 | 859. | 190. | 4.0 |
| PAT (C) FPQ-6 | 0 | 4 | 41 | 28 | 0 | 4 | 48 | 47 | 7 | 18 | 0 | 4 | 42 | 33 | 0 | 4 | 47 | 42 | 5 | 8 | 36.7 | 867. | 176. | 4.0 |
| GBI (C) TPQ-18 | 0 | 4 | 42 | 5 | 0 | 4 | 49 | 26 | 7 | 21 | 0 | 4 | 43 | 9 | 0 | 4 | 48 | 23 | 5 | 13 | 48.5 | 782. | 143. | 4.0 |
| GBM (S) USB-30' | 0 | 4 | 42 | 5 | 0 | 4 | 49 | 26 | 7 | 20 | 0 | 4 | 43 | 9 | 0 | 4 | 48 | 23 | 5 | 13 | 48.0 | 784. | 144. | 4.0 |
| BCA (C) FPS-16M | 0 | 4 | 45 | 44 | 0 | 4 | 50 | 3 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 790. | 705. | 4.1 |
| BDQ (C) FPQ-6 | 0 | 4 | 45 | 44 | 0 | 4 | 50 | 3 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 790. | 705. | 4.1 |
| BCA (S) USB-30' | 0 | 4 | 45 | 44 | 0 | 4 | 50 | 3 | 4 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 791. | 705. | 4.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANG (S) USB-30' | 0 | 4 | 46 | 45 | 0 | 4 | 54 | 5 | 7 | 19 | 0 | 4 | 47 | 49 | 0 | 4 | 53 | 2 | 5 | 13 | 64.9 | 732. | 117. | 4.1 |
| ASC (C) TPQ-18 | 0 | 5 | 0 | 39 | 0 | 5 | 7 | 30 | 6 | 50 | 0 | 5 | 1 | 47 | 0 | 5 | 6 | 23 | 4 | 35 | 18.3 | 667. | 293. | 4.2 |
| ACN (S) USB-30' | 0 | 5 | 0 | 41 | 0 | 5 | 7 | 30 | 6 | 49 | 0 | 5 | 1 | 48 | 0 | 5 | 6 | 23 | 4 | 34 | 18.1 | 671. | 295. | 4.2 |
| PRE (C) MPS-25M | 0 | 5 | 12 | 13 | 0 | 5 | 19 | 4 | 6 | 51 | 0 | 5 | 13 | 23 | 0 | 5 | 17 | 55 | 4 | 32 | 18.4 | 789. | 293. | 4.3 |
| TAN (C) FPS-16M | 0 | 5 | 19 | 24 | 0 | 5 | 20 | 36 | 1 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 846. | 844. | 4.4 |
| CRO (C) FPQ-6 | 0 | 5 | 32 | 9 | 0 | 5 | 37 | 35 | 5 | 25 | 0 | 5 | 34 | 7 | 0 | 5 | 35 | 41 | 1 | 34 | 5.8 | 841. | 577. | 4.6 |
| CRO (S) USB-30' | 0 | 5 | 32 | 9 | 0 | 5 | 37 | 35 | 5 | 25 | 0 | 5 | 34 | 7 | 0 | 5 | 35 | 41 | 1 | 33 | 5.7 | 841. | 578. | 4.6 |
| GWM (S) USB-30' | 0 | 5 | 43 | 32 | 0 | 5 | 50 | 17 | 6 | 44 | 0 | 5 | 44 | 43 | 0 | 5 | 49 | 4 | 4 | 21 | 14.5 | 709. | 356. | 4.7 |
| HAW (C) FPS-16M | 0 | 5 | 57 | 23 | 0 | 6 | 3 | 14 | 5 | 50 | 0 | 5 | 59 | 2 | 0 | 6 | 1 | 34 | 2 | 32 | 7.0 | 871. | 549. | 4.8 |
| HAW (S) USB-30' | 0 | 5 | 57 | 23 | 0 | 6 | 3 | 14 | 5 | 50 | 0 | 5 | 59 | 2 | 0 | 6 | 1 | 34 | 2 | 32 | 7.0 | 871. | 549. | 4.8 |
| CAL (C) FPS-16 | 0 | 6 | 5 | 37 | 0 | 6 | 12 | 49 | 7 | 12 | 0 | 6 | 6 | 45 | 0 | 6 | 11 | 41 | 4 | 56 | 22.6 | 870. | 265. | 4.9 |
| GDS (S) USB-85' | 0 | 6 | 6 | 26 | 0 | 6 | 13 | 26 | 6 | 59 | 0 | 6 | 7 | 38 | 0 | 6 | 12 | 16 | 4 | 37 | 17.3 | 813. | 325. | 4.9 |
| GYM (S) USB-30' | 0 | 6 | 8 | 0 | 0 | 6 | 15 | 30 | 7 | 30 | 0 | 6 | 9 | 3 | 0 | 6 | 14 | 27 | 5 | 23 | 68.9 | 718. | 119. | 5.0 |
| WHS (C) FPS-16M | 0 | 6 | 8 | 48 | 0 | 6 | 15 | 50 | 7 | 1 | 0 | 6 | 9 | 57 | 0 | 6 | 14 | 40 | 4 | 43 | 17.5 | 867. | 323. | 5.0 |
| TEX (S) USB-30' | 0 | 6 | 10 | 59 | 0 | 6 | 18 | 19 | 7 | 19 | 0 | 6 | 12 | 5 | 0 | 6 | 17 | 12 | 5 | 7 | 27.7 | 769. | 228. | 5.0 |
| MIL (S) USB-30' | 0 | 6 | 15 | 27 | 0 | 6 | 20 | 24 | 4 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 839. | 670. | 5.0 |
| PAT (C) FPQ-6 | 0 | 6 | 15 | 27 | 0 | 6 | 20 | 31 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 838. | 659. | 5.0 |
| GBI (C) TPQ-18 | 0 | 6 | 16 | 3 | 0 | 6 | 21 | 17 | 5 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 809. | 642. | 5.0 |
| GBM (S) USB-30' | 0 | 6 | 16 | 3 | 0 | 6 | 21 | 17 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 808. | 642. | 5.0 |
| ANG (S) USB-30' | 0 | 6 | 20 | 54 | 0 | 6 | 25 | 56 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 871. | 679. | 5.1 |
| PRE (C) MPS-25M | 0 | 6 | 45 | 48 | 0 | 6 | 52 | 56 | 7 | 7 | 0 | 6 | 47 | 6 | 0 | 6 | 51 | 38 | 4 | 31 | 12.8 | 897. | 443. | 5.4 |
| TAN (C) FPS-16M | 0 | 6 | 51 | 43 | 0 | 6 | 56 | 41 | 4 | 58 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.6 | 924. | 737. | 5.4 |
| GWM (S) USB-30' | 0 | 7 | 16 | 59 | 0 | 7 | 23 | 44 | 6 | 45 | 0 | 7 | 18 | 14 | 0 | 7 | 22 | 30 | 4 | 15 | 12.9 | 727. | 399. | 5.7 |
| HAW (C) FPS-16M | 0 | 7 | 31 | 58 | 0 | 7 | 37 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 839. | 654. | 5.8 |
| HAW (S) USB-30' | 0 | 7 | 31 | 58 | 0 | 7 | 37 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 839. | 654. | 5.8 |
| CAL (C) FPS-16 | 0 | 7 | 39 | 35 | 0 | 7 | 45 | 15 | 5 | 39 | 0 | 7 | 41 | 26 | 0 | 7 | 43 | 22 | 1 | 55 | 6.1 | 851. | 587. | 5.9 |
| GDS (S) USB-85' | 0 | 7 | 40 | 45 | 0 | 7 | 45 | 19 | 4 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.4 | 880. | 702. | 5.9 |
| WHS (C) FPS-16M | 0 | 7 | 43 | 44 | 0 | 7 | 47 | 6 | 3 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 879. | 792. | 5.9 |
| GYM (S) USB-30' | 0 | 7 | 41 | 53 | 0 | 7 | 48 | 24 | 6 | 31 | 0 | 7 | 43 | 13 | 0 | 7 | 47 | 3 | 3 | 49 | 10.5 | 765. | 458. | 5.9 |
| TEX (S) USB-30' | 0 | 7 | 46 | 11 | 0 | 7 | 49 | 29 | 3 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 832. | 795. | 6.0 |
| PRE (C) MPS-25M | 0 | 8 | 19 | 30 | 0 | 8 | 27 | 6 | 7 | 36 | 0 | 8 | 20 | 41 | 0 | 8 | 25 | 56 | 5 | 15 | 21.2 | 878. | 306. | 6.4 |
| TAN (C) FPS-16M | 0 | 8 | 24 | 33 | 0 | 8 | 31 | 54 | 7 | 21 | 0 | 8 | 25 | 46 | 0 | 8 | 30 | 42 | 4 | 56 | 17.0 | 882. | 355. | 6.4 |
| HAW (C) FPS-16M | 0 | 9 | 5 | 20 | 0 | 9 | 11 | 49 | 6 | 28 | 0 | 9 | 6 | 43 | 0 | 9 | 10 | 27 | 3 | 44 | 10.4 | 870. | 454. | 6.8 |
| HAW (S) USB-30' | 0 | 9 | 5 | 20 | 0 | 9 | 11 | 49 | 6 | 28 | 0 | 9 | 6 | 43 | 0 | 9 | 10 | 27 | 3 | 44 | 10.4 | 870. | 454. | 6.8 |
| RED (S) USB-30' | 0 | 9 | 9 | 5 | 0 | 9 | 13 | 55 | 4 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 862. | 683. | 6.9 |
| PRE (C) MPS-25M | 0 | 9 | 53 | 3 | 0 | 10 | 0 | 43 | 7 | 40 | 0 | 9 | 54 | 9 | 0 | 9 | 59 | 39 | 5 | 29 | 34.9 | 771. | 203. | 7.3 |
| TAN (C) FPS-16M | 0 | 9 | 58 | 7 | 0 | 10 | 5 | 22 | 7 | 15 | 0 | 9 | 59 | 19 | 0 | 10 | 4 | 13 | 4 | 53 | 18.4 | 783. | 328. | 7.4 |
| HAW (C) FPS-16M | 0 | 10 | 38 | 33 | 0 | 10 | 46 | 2 | 7 | 29 | 0 | 10 | 39 | 37 | 0 | 10 | 44 | 58 | 5 | 20 | 42.6 | 835. | 162. | 7.8 |
| HAW (S) USB-30' | 0 | 10 | 38 | 33 | 0 | 10 | 46 | 2 | 7 | 29 | 0 | 10 | 39 | 37 | 0 | 10 | 44 | 58 | 5 | 20 | 42.6 | 835. | 162. | 7.8 |
| RED (S) USB-30' | 0 | 10 | 41 | 30 | 0 | 10 | 49 | 1 | 7 | 31 | 0 | 10 | 42 | 35 | 0 | 10 | 47 | 56 | 5 | 20 | 37.4 | 837. | 180. | 7.9 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRE (C) MPS-25M | 0 | 11 | 28 | 12 | 0 | 11 | 32 | 3 | 3 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.1 | 865. | 788. | 8.3 |
| HAW (C) FPS-16M | 0 | 12 | 13 | 14 | 0 | 12 | 17 | 58 | 4 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 859. | 693. | 8.8 |
| HAW (S) USB-30° | 0 | 12 | 13 | 14 | 0 | 12 | 17 | 58 | 4 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 859. | 693. | 8.8 |
| RED (S) USB-30° | 0 | 12 | 16 | 3 | 0 | 12 | 21 | 14 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 824. | 657. | 8.8 |
| ASC (C) TPQ-18 | 0 | 12 | 54 | 37 | 0 | 12 | 58 | 55 | 4 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 898. | 765. | 9.2 |
| ACN (S) USB-30° | 0 | 12 | 54 | 38 | 0 | 12 | 58 | 56 | 4 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 899. | 764. | 9.2 |
| GWM (S) USB-30° | 0 | 13 | 35 | 55 | 0 | 13 | 40 | 21 | 4 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.0 | 808. | 718. | 9.7 |
| MER (S) USB-30° | 0 | 13 | 53 | 23 | 0 | 13 | 57 | 27 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.4 | 861. | 781. | 9.8 |
| ASC (C) TPQ-18 | 0 | 14 | 26 | 38 | 0 | 14 | 34 | 17 | 7 | 39 | 0 | 14 | 27 | 44 | 0 | 14 | 33 | 14 | 5 | 29 | 53.2 | 883. | 143. | 10.2 |
| ACN (S) USB-30° | 0 | 14 | 26 | 39 | 0 | 14 | 34 | 18 | 7 | 38 | 0 | 14 | 27 | 46 | 0 | 14 | 33 | 15 | 5 | 28 | 54.6 | 887. | 141. | 10.2 |
| GWM (S) USB-30° | 0 | 15 | 8 | 8 | 0 | 15 | 15 | 39 | 7 | 30 | 0 | 15 | 9 | 11 | 0 | 15 | 14 | 34 | 5 | 23 | 49.9 | 745. | 145. | 10.7 |
| HTV (S) USB-30° | 0 | 15 | 16 | 35 | 0 | 15 | 23 | 55 | 7 | 19 | 0 | 15 | 17 | 45 | 0 | 15 | 22 | 44 | 4 | 58 | 19.7 | 879. | 308. | 10.7 |
| MER (S) USB-30° | 0 | 15 | 24 | 49 | 0 | 15 | 32 | 36 | 7 | 47 | 0 | 15 | 25 | 52 | 0 | 15 | 31 | 31 | 5 | 38 | 50.3 | 742. | 156. | 10.8 |
| ASC (C) TPQ-18 | 0 | 16 | 1 | 42 | 0 | 16 | 6 | 2 | 4 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 888. | 733. | 11.2 |
| ACN (S) USB-30° | 0 | 16 | 1 | 44 | 0 | 16 | 6 | 3 | 4 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.8 | 891. | 734. | 11.2 |
| GWM (S) USB-30° | 0 | 16 | 42 | 44 | 0 | 16 | 47 | 50 | 5 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 886. | 677. | 11.6 |
| HTV (S) USB-30° | 0 | 16 | 50 | 29 | 0 | 16 | 57 | 3 | 6 | 34 | 0 | 16 | 51 | 55 | 0 | 16 | 55 | 36 | 3 | 40 | 9.7 | 865. | 502. | 11.7 |
| MER (S) USB-30° | 0 | 16 | 58 | 47 | 0 | 17 | 5 | 57 | 7 | 9 | 0 | 17 | 0 | 3 | 0 | 17 | 4 | 39 | 4 | 35 | 13.2 | 898. | 432. | 11.8 |
| CYI (C) MPS26 | 0 | 17 | 38 | 49 | 0 | 17 | 45 | 13 | 6 | 23 | 0 | 17 | 40 | 11 | 0 | 17 | 43 | 50 | 3 | 39 | 10.1 | 793. | 463. | 12.2 |
| CYI (S) USB-30° | 0 | 17 | 38 | 49 | 0 | 17 | 45 | 13 | 6 | 23 | 0 | 17 | 40 | 11 | 0 | 17 | 43 | 50 | 3 | 39 | 10.1 | 793. | 463. | 12.2 |
| MER (S) USB-30° | 0 | 18 | 33 | 33 | 0 | 18 | 39 | 21 | 5 | 47 | 0 | 18 | 35 | 39 | 0 | 18 | 37 | 10 | 1 | 30 | 5.6 | 901. | 657. | 12.8 |
| ANG (S) USB-30° | 0 | 19 | 1 | 34 | 0 | 19 | 7 | 6 | 5 | 31 | 0 | 19 | 3 | 36 | 0 | 19 | 5 | 3 | 1 | 26 | 5.5 | 857. | 613. | 13.1 |
| VAN (S) USB-30° | 0 | 19 | 9 | 0 | 0 | 19 | 10 | 46 | 1 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 877. | 851. | 13.1 |
| CYI (C) MPS26 | 0 | 19 | 11 | 40 | 0 | 19 | 19 | 6 | 7 | 26 | 0 | 19 | 12 | 45 | 0 | 19 | 18 | 2 | 5 | 16 | 47.1 | 858. | 148. | 13.2 |
| CYI (S) USB-30° | 0 | 19 | 11 | 40 | 0 | 19 | 19 | 6 | 7 | 26 | 0 | 19 | 12 | 45 | 0 | 19 | 18 | 2 | 5 | 16 | 47.1 | 858. | 148. | 13.2 |
| MAD (S) USB-85° | 0 | 19 | 15 | 45 | 0 | 19 | 21 | 25 | 5 | 39 | 0 | 19 | 17 | 31 | 0 | 19 | 19 | 38 | 2 | 6 | 6.4 | 873. | 571. | 13.3 |
| CRO (C) FPQ-6 | 0 | 19 | 49 | 9 | 0 | 19 | 53 | 8 | 3 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 873. | 785. | 13.6 |
| CRO (S) USB-30° | 0 | 19 | 49 | 9 | 0 | 19 | 53 | 8 | 3 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 873. | 785. | 13.6 |
| HSK (S) USB-85° | 0 | 19 | 56 | 5 | 0 | 20 | 2 | 49 | 6 | 43 | 0 | 19 | 57 | 29 | 0 | 20 | 1 | 25 | 3 | 56 | 10.2 | 922. | 500. | 13.7 |
| MER (S) USB-30° | 0 | 20 | 7 | 32 | 0 | 20 | 13 | 48 | 6 | 15 | 0 | 20 | 9 | 15 | 0 | 20 | 12 | 7 | 2 | 51 | 7.4 | 922. | 589. | 13.8 |
| BDA (C) FPS-16M | 0 | 20 | 37 | 28 | 0 | 20 | 40 | 42 | 3 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 848. | 794. | 14.1 |
| BDQ (C) FPQ-6 | 0 | 20 | 37 | 28 | 0 | 20 | 40 | 42 | 3 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 848. | 794. | 14.1 |
| BDA (S) USB-30° | 0 | 20 | 37 | 28 | 0 | 20 | 40 | 41 | 3 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 848. | 794. | 14.1 |
| ANG (S) USB-30° | 0 | 20 | 33 | 59 | 0 | 20 | 41 | 26 | 7 | 26 | 0 | 20 | 35 | 4 | 0 | 20 | 40 | 22 | 5 | 18 | 45.1 | 730. | 154. | 14.1 |
| VAN (S) USB-30° | 0 | 20 | 39 | 28 | 0 | 20 | 46 | 23 | 6 | 55 | 0 | 20 | 40 | 40 | 0 | 20 | 45 | 12 | 4 | 31 | 16.1 | 819. | 341. | 14.1 |
| CYI (C) MPS26 | 0 | 20 | 45 | 33 | 0 | 20 | 52 | 37 | 7 | 3 | 0 | 20 | 46 | 45 | 0 | 20 | 51 | 27 | 4 | 42 | 18.0 | 837. | 315. | 14.2 |
| CYI (S) USB-30° | 0 | 20 | 45 | 33 | 0 | 20 | 52 | 37 | 7 | 3 | 0 | 20 | 46 | 45 | 0 | 20 | 51 | 27 | 4 | 42 | 18.0 | 837. | 315. | 14.2 |
| MAD (S) USB-85° | 0 | 20 | 48 | 31 | 0 | 20 | 54 | 44 | 6 | 13 | 0 | 20 | 49 | 57 | 0 | 20 | 53 | 18 | 3 | 21 | 9.2 | 830. | 484. | 14.3 |
| CRO (C) FPQ-6 | 0 | 21 | 20 | 29 | 0 | 21 | 28 | 16 | 7 | 46 | 0 | 21 | 21 | 35 | 0 | 21 | 27 | 9 | 5 | 34 | 33.9 | 858. | 211. | 14.6 |
| CRO (S) USB-30° | 0 | 21 | 20 | 30 | 0 | 21 | 28 | 16 | 7 | 46 | 0 | 21 | 21 | 35 | 0 | 21 | 27 | 10 | 5 | 34 | 33.9 | 859. | 211. | 14.6 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 0 | 21 | 28 | 51 | 0 | 21 | 36 | 34 | 7 | 43 | 0 | 21 | 29 | 57 | 0 | 21 | 35 | 27 | 5 | 29 | 28.7 | 758. | 245. | 14.7 |
| MER (S) USB-30' | 0 | 21 | 40 | 47 | 0 | 21 | 48 | 26 | 7 | 39 | 0 | 21 | 41 | 55 | 0 | 21 | 47 | 20 | 5 | 24 | 27.2 | 772. | 252. | 14.8 |
| TEX (S) USB-30' | 0 | 22 | 3 | 48 | 0 | 22 | 6 | 21 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 879. | 831. | 15.0 |
| MIL (S) USB-30' | 0 | 22 | 5 | 8 | 0 | 22 | 11 | 46 | 6 | 38 | 0 | 22 | 6 | 32 | 0 | 22 | 10 | 28 | 3 | 55 | 11.6 | 877. | 426. | 15.0 |
| PAT (C) FPQ-6 | 0 | 22 | 5 | 2 | 0 | 22 | 11 | 47 | 6 | 45 | 0 | 22 | 6 | 27 | 0 | 22 | 10 | 31 | 4 | 3 | 12.4 | 872. | 409. | 15.0 |
| GBI (C) TPQ-18 | 0 | 22 | 5 | 8 | 0 | 22 | 12 | 19 | 7 | 11 | 0 | 22 | 6 | 22 | 0 | 22 | 11 | 11 | 4 | 48 | 21.7 | 874. | 274. | 15.1 |
| GBM (S) USB-30' | 0 | 22 | 5 | 8 | 0 | 22 | 12 | 20 | 7 | 11 | 0 | 22 | 6 | 23 | 0 | 22 | 11 | 11 | 4 | 48 | 21.8 | 877. | 273. | 15.1 |
| ANG (S) USB-30' | 0 | 22 | 9 | 0 | 0 | 22 | 13 | 59 | 4 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 874. | 655. | 15.1 |
| BDA (C) FPS-16M | 0 | 22 | 8 | 41 | 0 | 22 | 15 | 43 | 7 | 2 | 0 | 22 | 9 | 51 | 0 | 22 | 14 | 34 | 4 | 42 | 18.7 | 875. | 306. | 15.1 |
| BDQ (C) FPQ-6 | 0 | 22 | 8 | 41 | 0 | 22 | 15 | 43 | 7 | 2 | 0 | 22 | 9 | 51 | 0 | 22 | 14 | 34 | 4 | 42 | 18.7 | 875. | 306. | 15.1 |
| BDA (S) USB-30' | 0 | 22 | 8 | 41 | 0 | 22 | 15 | 43 | 7 | 2 | 0 | 22 | 9 | 51 | 0 | 22 | 14 | 34 | 4 | 42 | 18.7 | 875. | 307. | 15.1 |
| VAN (S) USB-30' | 0 | 22 | 12 | 37 | 0 | 22 | 20 | 6 | 7 | 28 | 0 | 22 | 13 | 41 | 0 | 22 | 19 | 0 | 5 | 18 | 45.5 | 875. | 153. | 15.2 |
| CYI (C) MPS26 | 0 | 22 | 19 | 18 | 0 | 22 | 26 | 38 | 7 | 19 | 0 | 22 | 20 | 28 | 0 | 22 | 25 | 24 | 4 | 55 | 17.8 | 781. | 341. | 15.2 |
| CYI (S) USB-30' | 0 | 22 | 19 | 18 | 0 | 22 | 26 | 38 | 7 | 19 | 0 | 22 | 20 | 28 | 0 | 22 | 25 | 24 | 4 | 55 | 17.8 | 781. | 341. | 15.2 |
| MAD (S) USB-85' | 0 | 22 | 21 | 38 | 0 | 22 | 27 | 57 | 6 | 18 | 0 | 22 | 23 | 12 | 0 | 22 | 26 | 20 | 3 | 8 | 8.1 | 934. | 561. | 15.3 |
| CRO (C) FPQ-6 | 0 | 22 | 53 | 49 | 0 | 23 | 3 | 29 | 9 | 39 | 0 | 22 | 55 | 2 | 0 | 23 | 2 | 15 | 7 | 13 | 28.3 | 1142. | 368. | 15.6 |
| CRO (S) USB-30' | 0 | 22 | 53 | 49 | 0 | 23 | 3 | 29 | 9 | 39 | 0 | 22 | 55 | 2 | 0 | 23 | 2 | 15 | 7 | 13 | 28.4 | 1143. | 368. | 15.6 |
| HSK (S) USB-85' | 0 | 23 | 2 | 7 | 0 | 23 | 11 | 49 | 9 | 42 | 0 | 23 | 3 | 18 | 0 | 23 | 10 | 42 | 7 | 24 | 50.4 | 994. | 233. | 15.7 |
| MER (S) USB-30' | 0 | 23 | 14 | 54 | 0 | 23 | 23 | 29 | 8 | 35 | 0 | 23 | 16 | 7 | 0 | 23 | 22 | 23 | 6 | 16 | 26.0 | 871. | 320. | 15.8 |
| GYM (S) USB-30' | 0 | 23 | 34 | 12 | 0 | 23 | 39 | 36 | 5 | 24 | 0 | 23 | 36 | 31 | 0 | 23 | 37 | 17 | 0 | 45 | 5.4 | 794. | 621. | 16.0 |
| WHS (C) FPS-16M | 0 | 23 | 36 | 16 | 0 | 23 | 40 | 26 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.6 | 812. | 736. | 16.0 |
| TEX (S) USB-30' | 0 | 23 | 35 | 58 | 0 | 23 | 43 | 8 | 7 | 10 | 0 | 23 | 37 | 6 | 0 | 23 | 42 | 0 | 4 | 53 | 21.7 | 820. | 275. | 16.0 |
| MIL (S) USB-30' | 0 | 23 | 39 | 27 | 0 | 23 | 46 | 53 | 7 | 26 | 0 | 23 | 40 | 31 | 0 | 23 | 45 | 48 | 5 | 17 | 50.1 | 880. | 142. | 16.1 |
| PAT (C) FPQ-6 | 0 | 23 | 39 | 27 | 0 | 23 | 46 | 52 | 7 | 25 | 0 | 23 | 40 | 31 | 0 | 23 | 45 | 48 | 5 | 16 | 46.7 | 882. | 149. | 16.1 |
| GBI (C) TPQ-18 | 0 | 23 | 39 | 56 | 0 | 23 | 47 | 13 | 7 | 16 | 0 | 23 | 41 | 2 | 0 | 23 | 46 | 5 | 5 | 2 | 25.7 | 812. | 239. | 16.1 |
| GBM (S) USB-30' | 0 | 23 | 39 | 57 | 0 | 23 | 47 | 13 | 7 | 16 | 0 | 23 | 41 | 3 | 0 | 23 | 46 | 5 | 5 | 2 | 25.7 | 811. | 239. | 16.1 |
| BDA (C) FPS-16M | 0 | 23 | 43 | 9 | 0 | 23 | 50 | 41 | 7 | 31 | 0 | 23 | 44 | 11 | 0 | 23 | 49 | 36 | 5 | 24 | 78.5 | 720. | 114. | 16.1 |
| BDQ (C) FPQ-6 | 0 | 23 | 43 | 9 | 0 | 23 | 50 | 41 | 7 | 31 | 0 | 23 | 44 | 11 | 0 | 23 | 49 | 36 | 5 | 24 | 78.5 | 720. | 114. | 16.1 |
| BDA (S) USB-30' | 0 | 23 | 43 | 9 | 0 | 23 | 50 | 41 | 7 | 31 | 0 | 23 | 44 | 11 | 0 | 23 | 49 | 36 | 5 | 24 | 78.6 | 720. | 114. | 16.1 |
| VAN (S) USB-30' | 0 | 23 | 47 | 25 | 0 | 23 | 55 | 4 | 7 | 39 | 0 | 23 | 48 | 28 | 0 | 23 | 53 | 56 | 5 | 28 | 43.9 | 884. | 165. | 16.2 |
| MAD (S) USB-85' | 0 | 23 | 57 | 56 | 0 | 23 | 59 | 57 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .5 | 958. | 926. | 16.2 |
| CYI (C) MPS26 | 0 | 23 | 53 | 56 | 1 | 0 | 2 | 2 | 8 | 5 | 0 | 23 | 54 | 59 | 1 | 0 | 0 | 52 | 5 | 53 | 80.5 | 950. | 131. | 16.2 |
| CYI (S) USB-30' | 0 | 23 | 53 | 56 | 1 | 0 | 2 | 2 | 8 | 5 | 0 | 23 | 54 | 59 | 1 | 0 | 0 | 52 | 5 | 53 | 80.5 | 950. | 131. | 16.2 |
| TAN (C) FPS-16M | 1 | 0 | 13 | 54 | 1 | 0 | 22 | 33 | 8 | 39 | 1 | 0 | 15 | 11 | 1 | 0 | 21 | 11 | 5 | 59 | 15.8 | 1007. | 520. | 16.4 |
| CRO (C) FPQ-6 | 1 | 0 | 29 | 36 | 1 | 0 | 38 | 27 | 8 | 51 | 1 | 0 | 31 | 0 | 1 | 0 | 37 | 4 | 6 | 3 | 14.9 | 1108. | 566. | 16.6 |
| CRO (S) USB-30' | 1 | 0 | 29 | 36 | 1 | 0 | 38 | 27 | 8 | 51 | 1 | 0 | 31 | 0 | 1 | 0 | 37 | 4 | 6 | 3 | 14.9 | 1109. | 565. | 16.6 |
| HSK (S) USB-85' | 1 | 0 | 37 | 10 | 1 | 0 | 46 | 7 | 8 | 56 | 1 | 0 | 38 | 27 | 1 | 0 | 44 | 54 | 6 | 27 | 22.2 | 1015. | 405. | 16.7 |
| HTV (S) USB-30' | 1 | 0 | 46 | 23 | 1 | 0 | 52 | 32 | 6 | 9 | 1 | 0 | 48 | 47 | 1 | 0 | 50 | 8 | 1 | 20 | 5.4 | 990. | 758. | 16.7 |
| RED (S) USB-30' | 1 | 0 | 58 | 11 | 1 | 1 | 4 | 51 | 6 | 40 | 1 | 0 | 59 | 38 | 1 | 1 | 3 | 30 | 3 | 51 | 10.2 | 819. | 493. | 16.8 |
| CAL (C) FPS-16 | 1 | 1 | 7 | 34 | 1 | 1 | 12 | 44 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 875. | 638. | 16.9 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GDS (S) USB-85' | 1 | 1 | 8 | 13 | 1 | 1 | 13 | 41 | 5 | 28 | 1 | 1 | 10 | 17 | 1 | 1 | 11 | 42 | 1 | 25 | 5.8 | 872. | 596. | 16.9 |
| GYM (S) USB-30' | 1 | 1 | 7 | 44 | 1 | 1 | 15 | 8 | 7 | 24 | 1 | 1 | 8 | 49 | 1 | 1 | 14 | 3 | 5 | 13 | 46.7 | 878. | 149. | 17.0 |
| WHS (C) FPS-16M | 1 | 1 | 9 | 9 | 1 | 1 | 16 | 20 | 7 | 10 | 1 | 1 | 10 | 16 | 1 | 1 | 15 | 12 | 4 | 55 | 25.1 | 880. | 242. | 17.0 |
| TEX (S) USB-30' | 1 | 1 | 10 | 42 | 1 | 1 | 17 | 58 | 7 | 15 | 1 | 1 | 11 | 50 | 1 | 1 | 16 | 50 | 4 | 59 | 27.7 | 887. | 226. | 17.0 |
| PAT (C) FPQ-6 | 1 | 1 | 14 | 41 | 1 | 1 | 21 | 42 | 7 | 1 | 1 | 1 | 15 | 52 | 1 | 1 | 20 | 29 | 4 | 37 | 17.2 | 908. | 334. | 17.0 |
| MIL (S) USB-30' | 1 | 1 | 14 | 38 | 1 | 1 | 21 | 42 | 7 | 4 | 1 | 1 | 15 | 48 | 1 | 1 | 20 | 30 | 4 | 42 | 18.4 | 907. | 318. | 17.0 |
| GBI (C) TPQ-18 | 1 | 1 | 15 | 23 | 1 | 1 | 22 | 0 | 6 | 36 | 1 | 1 | 16 | 41 | 1 | 1 | 20 | 40 | 3 | 58 | 11.7 | 910. | 434. | 17.0 |
| GBM (S) USB-30' | 1 | 1 | 15 | 23 | 1 | 1 | 22 | 0 | 6 | 36 | 1 | 1 | 16 | 42 | 1 | 1 | 20 | 40 | 3 | 58 | 11.7 | 910. | 435. | 17.0 |
| BDA (C) FPS-16M | 1 | 1 | 17 | 59 | 1 | 1 | 25 | 40 | 7 | 41 | 1 | 1 | 19 | 3 | 1 | 1 | 24 | 32 | 5 | 29 | 53.6 | 886. | 145. | 17.1 |
| BDQ (C) FPQ-6 | 1 | 1 | 17 | 59 | 1 | 1 | 25 | 40 | 7 | 41 | 1 | 1 | 19 | 3 | 1 | 1 | 24 | 32 | 5 | 29 | 53.6 | 886. | 145. | 17.1 |
| BDA (S) USB-30' | 1 | 1 | 17 | 58 | 1 | 1 | 25 | 40 | 7 | 41 | 1 | 1 | 19 | 3 | 1 | 1 | 24 | 32 | 5 | 29 | 53.6 | 885. | 145. | 17.1 |
| VAN (S) USB-30' | 1 | 1 | 22 | 8 | 1 | 1 | 30 | 13 | 8 | 4 | 1 | 1 | 23 | 10 | 1 | 1 | 29 | 3 | 5 | 52 | 70.5 | 995. | 137. | 17.2 |
| CYI (C) MPS26 | 1 | 1 | 28 | 32 | 1 | 1 | 37 | 11 | 8 | 39 | 1 | 1 | 29 | 38 | 1 | 1 | 35 | 56 | 6 | 17 | 25.7 | 1111. | 324. | 17.2 |
| CYI (S) USB-30' | 1 | 1 | 28 | 32 | 1 | 1 | 37 | 11 | 8 | 39 | 1 | 1 | 29 | 38 | 1 | 1 | 35 | 55 | 6 | 17 | 25.7 | 1111. | 324. | 17.2 |
| PRF (C) MPS-25M | 1 | 1 | 47 | 3 | 1 | 1 | 54 | 3 | 6 | 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 1254. | 1052. | 17.4 |
| TAN (C) FPS-16M | 1 | 1 | 47 | 38 | 1 | 1 | 59 | 21 | 11 | 43 | 1 | 1 | 48 | 47 | 1 | 1 | 58 | 5 | 9 | 18 | 73.6 | 1335. | 261. | 17.4 |
| CRO (C) FPQ-6 | 1 | 2 | 4 | 39 | 1 | 2 | 15 | 44 | 11 | 4 | 1 | 2 | 6 | 5 | 1 | 2 | 14 | 25 | 8 | 19 | 22.1 | 1289. | 580. | 17.6 |
| CRO (S) USB-30' | 1 | 2 | 4 | 39 | 1 | 2 | 15 | 44 | 11 | 4 | 1 | 2 | 6 | 5 | 1 | 2 | 14 | 25 | 8 | 20 | 22.2 | 1289. | 579. | 17.6 |
| HSK (S) USB-85' | 1 | 2 | 12 | 33 | 1 | 2 | 22 | 12 | 9 | 39 | 1 | 2 | 14 | 5 | 1 | 2 | 20 | 50 | 6 | 44 | 14.7 | 1224. | 673. | 17.7 |
| HTV (S) USB-30' | 1 | 2 | 20 | 57 | 1 | 2 | 30 | 30 | 9 | 33 | 1 | 2 | 22 | 17 | 1 | 2 | 29 | 22 | 7 | 5 | 28.4 | 1186. | 360. | 17.7 |
| HAW (C) FPS-16M | 1 | 2 | 33 | 57 | 1 | 2 | 39 | 35 | 5 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 974. | 709. | 17.8 |
| HAW (S) USB-30' | 1 | 2 | 33 | 57 | 1 | 2 | 39 | 35 | 5 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 975. | 709. | 17.8 |
| RED (S) USB-30' | 1 | 2 | 33 | 40 | 1 | 2 | 41 | 49 | 8 | 9 | 1 | 2 | 34 | 50 | 1 | 2 | 40 | 48 | 5 | 57 | 67.8 | 907. | 139. | 17.8 |
| CAL (C) FPS-16 | 1 | 2 | 42 | 49 | 1 | 2 | 49 | 43 | 6 | 54 | 1 | 2 | 44 | 5 | 1 | 2 | 48 | 30 | 4 | 24 | 14.6 | 836. | 373. | 17.9 |
| GDS (S) USB-85' | 1 | 2 | 43 | 37 | 1 | 2 | 50 | 33 | 6 | 56 | 1 | 2 | 44 | 50 | 1 | 2 | 49 | 20 | 4 | 29 | 15.5 | 809. | 356. | 18.0 |
| GYM (S) USB-30' | 1 | 2 | 44 | 11 | 1 | 2 | 51 | 34 | 7 | 23 | 1 | 2 | 45 | 17 | 1 | 2 | 50 | 27 | 5 | 9 | 28.5 | 807. | 224. | 18.0 |
| WHS (C) FPS-16M | 1 | 2 | 45 | 20 | 1 | 2 | 52 | 52 | 7 | 32 | 1 | 2 | 46 | 23 | 1 | 2 | 51 | 47 | 5 | 24 | 73.2 | 743. | 117. | 18.0 |
| TEX (S) USB-30' | 1 | 2 | 47 | 23 | 1 | 2 | 54 | 28 | 7 | 5 | 1 | 2 | 48 | 34 | 1 | 2 | 53 | 12 | 4 | 38 | 15.9 | 854. | 358. | 18.0 |
| MIL (S) USB-30' | 1 | 2 | 51 | 8 | 1 | 2 | 58 | 34 | 7 | 25 | 1 | 2 | 52 | 16 | 1 | 2 | 57 | 18 | 5 | 1 | 18.2 | 894. | 343. | 18.1 |
| PAT (C) FPQ-6 | 1 | 2 | 51 | 11 | 1 | 2 | 58 | 34 | 7 | 22 | 1 | 2 | 52 | 20 | 1 | 2 | 57 | 17 | 4 | 57 | 17.3 | 878. | 356. | 18.1 |
| GBI (C) TPQ-18 | 1 | 2 | 51 | 53 | 1 | 2 | 59 | 1 | 7 | 7 | 1 | 2 | 53 | 9 | 1 | 2 | 57 | 40 | 4 | 30 | 13.4 | 849. | 424. | 18.1 |
| GBM (S) USB-30' | 1 | 2 | 51 | 54 | 1 | 2 | 59 | 1 | 7 | 7 | 1 | 2 | 53 | 9 | 1 | 2 | 57 | 40 | 4 | 30 | 13.4 | 850. | 424. | 18.1 |
| BDA (C) FPS-16M | 1 | 2 | 54 | 14 | 1 | 3 | 2 | 23 | 8 | 9 | 1 | 2 | 55 | 16 | 1 | 3 | 1 | 11 | 5 | 55 | 65.6 | 968. | 143. | 18.1 |
| BDQ (C) FPQ-6 | 1 | 2 | 54 | 14 | 1 | 3 | 2 | 23 | 8 | 9 | 1 | 2 | 55 | 16 | 1 | 3 | 1 | 11 | 5 | 55 | 65.6 | 968. | 143. | 18.1 |
| BDA (S) USB-30' | 1 | 2 | 54 | 14 | 1 | 3 | 2 | 23 | 8 | 9 | 1 | 2 | 55 | 16 | 1 | 3 | 1 | 11 | 5 | 55 | 65.5 | 968. | 143. | 18.1 |
| ANG (S) USB-30' | 1 | 2 | 57 | 41 | 1 | 3 | 2 | 21 | 4 | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 988. | 824. | 18.1 |
| VAN (S) USB-30' | 1 | 2 | 58 | 26 | 1 | 3 | 6 | 32 | 8 | 6 | 1 | 2 | 59 | 35 | 1 | 3 | 5 | 11 | 5 | 36 | 18.8 | 1003. | 393. | 18.1 |
| CYI (C) MPS26 | 1 | 3 | 6 | 20 | 1 | 3 | 11 | 33 | 5 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 1112. | 953. | 18.2 |
| CYI (S) USB-30' | 1 | 3 | 6 | 20 | 1 | 3 | 11 | 33 | 5 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 1112. | 953. | 18.2 |
| ASC (C) TPQ-18 | 1 | 3 | 10 | 54 | 1 | 3 | 18 | 37 | 7 | 42 | 1 | 3 | 12 | 48 | 1 | 3 | 16 | 31 | 3 | 43 | 7.2 | 1198. | 849. | 18.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ACN (S) USB-30' | 1 | 3 | 10 | 54 | 1 | 3 | 18 | 38 | 7 | 44 | 1 | 3 | 12 | 47 | 1 | 3 | 16 | 34 | 3 | 46 | 7.3 | 1194. | 846. | 18.2 |
| PRE (C) MPS-25M | 1 | 3 | 20 | 59 | 1 | 3 | 32 | 30 | 11 | 31 | 1 | 3 | 22 | 12 | 1 | 3 | 31 | 11 | 8 | 59 | 35.5 | 1310. | 413. | 18.4 |
| TAN (C) FPS-16M | 1 | 3 | 24 | 42 | 1 | 3 | 35 | 53 | 11 | 10 | 1 | 3 | 26 | 4 | 1 | 3 | 34 | 29 | 8 | 25 | 21.8 | 1255. | 598. | 18.4 |
| CRO (C) FPQ-6 | 1 | 3 | 41 | 37 | 1 | 3 | 52 | 50 | 11 | 13 | 1 | 3 | 42 | 56 | 1 | 3 | 51 | 42 | 8 | 45 | 42.4 | 1248. | 341. | 18.6 |
| CRO (S) USB-30' | 1 | 3 | 41 | 37 | 1 | 3 | 52 | 51 | 11 | 13 | 1 | 3 | 42 | 56 | 1 | 3 | 51 | 42 | 8 | 46 | 42.5 | 1248. | 340. | 18.6 |
| HTV (S) USB-30' | 1 | 3 | 58 | 10 | 1 | 4 | 6 | 9 | 7 | 58 | 1 | 3 | 59 | 39 | 1 | 4 | 4 | 52 | 5 | 13 | 13.1 | 942. | 540. | 18.7 |
| HAW (C) FPS-16M | 1 | 4 | 9 | 7 | 1 | 4 | 16 | 52 | 7 | 45 | 1 | 4 | 10 | 15 | 1 | 4 | 15 | 51 | 5 | 36 | 86.6 | 948. | 119. | 18.8 |
| HAW (S) USB-30' | 1 | 4 | 9 | 7 | 1 | 4 | 16 | 52 | 7 | 45 | 1 | 4 | 10 | 15 | 1 | 4 | 15 | 51 | 5 | 36 | 86.6 | 948. | 119. | 18.8 |
| RED (S) USB-30' | 1 | 4 | 11 | 37 | 1 | 4 | 17 | 7 | 5 | 30 | 1 | 4 | 13 | 59 | 1 | 4 | 14 | 36 | 0 | 36 | 5.2 | 841. | 644. | 18.8 |
| CAL (C) FPS-16 | 1 | 4 | 18 | 44 | 1 | 4 | 26 | 16 | 7 | 32 | 1 | 4 | 19 | 47 | 1 | 4 | 25 | 9 | 5 | 21 | 52.1 | 918. | 143. | 18.9 |
| GDS (S) USB-85' | 1 | 4 | 19 | 32 | 1 | 4 | 27 | 5 | 7 | 32 | 1 | 4 | 20 | 32 | 1 | 4 | 25 | 56 | 5 | 23 | 43.9 | 923. | 163. | 18.9 |
| GYM (S) USB-30' | 1 | 4 | 21 | 4 | 1 | 4 | 28 | 11 | 7 | 7 | 1 | 4 | 22 | 16 | 1 | 4 | 26 | 55 | 4 | 38 | 15.9 | 938. | 365. | 19.0 |
| WHS (C) FPS-16M | 1 | 4 | 21 | 45 | 1 | 4 | 29 | 27 | 7 | 42 | 1 | 4 | 22 | 49 | 1 | 4 | 28 | 18 | 5 | 29 | 57.4 | 888. | 140. | 19.0 |
| TEX (S) USB-30' | 1 | 4 | 24 | 1 | 1 | 4 | 31 | 30 | 7 | 28 | 1 | 4 | 25 | 11 | 1 | 4 | 30 | 15 | 5 | 3 | 18.8 | 975. | 340. | 19.0 |
| MIL (S) USB-30' | 1 | 4 | 27 | 22 | 1 | 4 | 35 | 42 | 8 | 20 | 1 | 4 | 28 | 25 | 1 | 4 | 34 | 29 | 6 | 4 | 56.9 | 994. | 163. | 19.1 |
| PAT (C) FPQ-6 | 1 | 4 | 27 | 24 | 1 | 4 | 35 | 45 | 8 | 20 | 1 | 4 | 28 | 28 | 1 | 4 | 34 | 31 | 6 | 3 | 54.1 | 985. | 168. | 19.1 |
| GBI (C) TPQ-18 | 1 | 4 | 28 | 2 | 1 | 4 | 36 | 24 | 8 | 21 | 1 | 4 | 29 | 4 | 1 | 4 | 35 | 12 | 6 | 8 | 35.6 | 939. | 231. | 19.1 |
| GBM (S) USB-30' | 1 | 4 | 28 | 3 | 1 | 4 | 36 | 24 | 8 | 21 | 1 | 4 | 29 | 4 | 1 | 4 | 35 | 13 | 6 | 8 | 35.8 | 936. | 232. | 19.1 |
| BDA (C) FPS-16M | 1 | 4 | 30 | 38 | 1 | 4 | 38 | 30 | 7 | 51 | 1 | 4 | 31 | 52 | 1 | 4 | 37 | 6 | 5 | 14 | 14.7 | 1083. | 474. | 19.1 |
| BDQ (C) FPQ-6 | 1 | 4 | 30 | 38 | 1 | 4 | 38 | 30 | 7 | 51 | 1 | 4 | 31 | 52 | 1 | 4 | 37 | 6 | 5 | 14 | 14.7 | 1083. | 474. | 19.1 |
| BDA (S) USB-30' | 1 | 4 | 30 | 38 | 1 | 4 | 38 | 29 | 7 | 51 | 1 | 4 | 31 | 52 | 1 | 4 | 37 | 6 | 5 | 14 | 14.7 | 1083. | 474. | 19.1 |
| ANG (S) USB-30' | 1 | 4 | 32 | 37 | 1 | 4 | 41 | 20 | 8 | 42 | 1 | 4 | 33 | 44 | 1 | 4 | 40 | 1 | 6 | 16 | 23.1 | 953. | 365. | 19.1 |
| VAN (S) USB-30' | 1 | 4 | 36 | 11 | 1 | 4 | 40 | 48 | 4 | 37 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 1084. | 950. | 19.1 |
| ASC (C) TPQ-18 | 1 | 4 | 45 | 38 | 1 | 4 | 56 | 50 | 11 | 12 | 1 | 4 | 46 | 44 | 1 | 4 | 55 | 33 | 8 | 48 | 63.9 | 1266. | 253. | 19.2 |
| ACN (S) USB-30' | 1 | 4 | 45 | 39 | 1 | 4 | 56 | 51 | 11 | 12 | 1 | 4 | 46 | 45 | 1 | 4 | 55 | 34 | 8 | 48 | 63.4 | 1263. | 254. | 19.2 |
| PRE (C) MPS-25M | 1 | 4 | 57 | 18 | 1 | 5 | 9 | 20 | 12 | 2 | 1 | 4 | 58 | 32 | 1 | 5 | 8 | 6 | 9 | 34 | 52.8 | 1318. | 328. | 19.4 |
| TAN (C) FPS-16M | 1 | 5 | 2 | 50 | 1 | 5 | 12 | 28 | 9 | 38 | 1 | 5 | 4 | 37 | 1 | 5 | 10 | 42 | 6 | 4 | 10.4 | 1359. | 893. | 19.4 |
| CRO (C) FPQ-6 | 1 | 5 | 18 | 37 | 1 | 5 | 28 | 59 | 10 | 21 | 1 | 5 | 19 | 56 | 1 | 5 | 27 | 51 | 7 | 54 | 31.7 | 1130. | 375. | 19.6 |
| CRO (S) USB-30' | 1 | 5 | 18 | 37 | 1 | 5 | 28 | 59 | 10 | 21 | 1 | 5 | 19 | 56 | 1 | 5 | 27 | 51 | 7 | 54 | 31.6 | 1131. | 376. | 19.6 |
| GWM (S) USB-30' | 1 | 5 | 32 | 45 | 1 | 5 | 39 | 46 | 7 | 0 | 1 | 5 | 34 | 27 | 1 | 5 | 38 | 13 | 3 | 46 | 8.7 | 952. | 624. | 19.7 |
| HAW (C) FPS-16M | 1 | 5 | 46 | 25 | 1 | 5 | 52 | 51 | 6 | 25 | 1 | 5 | 47 | 51 | 1 | 5 | 51 | 25 | 3 | 34 | 9.6 | 893. | 481. | 19.8 |
| HAW (S) USB-30' | 1 | 5 | 46 | 25 | 1 | 5 | 52 | 51 | 6 | 25 | 1 | 5 | 47 | 51 | 1 | 5 | 51 | 25 | 3 | 34 | 9.6 | 893. | 481. | 19.8 |
| CAL (C) FPS-16 | 1 | 5 | 54 | 58 | 1 | 6 | 2 | 51 | 7 | 52 | 1 | 5 | 56 | 1 | 1 | 6 | 1 | 41 | 5 | 40 | 43.4 | 894. | 175. | 19.9 |
| GDS (S) USB-85' | 1 | 5 | 55 | 45 | 1 | 6 | 3 | 35 | 7 | 49 | 1 | 5 | 56 | 48 | 1 | 6 | 2 | 23 | 5 | 35 | 33.6 | 963. | 217. | 20.0 |
| GYM (S) USB-30' | 1 | 5 | 57 | 25 | 1 | 6 | 5 | 24 | 7 | 59 | 1 | 5 | 58 | 30 | 1 | 6 | 4 | 13 | 5 | 43 | 30.2 | 908. | 249. | 20.0 |
| WHS (C) FPS-16M | 1 | 5 | 57 | 59 | 1 | 6 | 6 | 11 | 8 | 11 | 1 | 5 | 59 | 1 | 1 | 6 | 5 | 0 | 5 | 58 | 40.1 | 867. | 198. | 20.0 |
| TEX (S) USB-30' | 1 | 6 | 0 | 9 | 1 | 6 | 8 | 42 | 8 | 33 | 1 | 6 | 1 | 11 | 1 | 6 | 7 | 29 | 6 | 18 | 63.0 | 1017. | 160. | 20.0 |
| MIL (S) USB-30' | 1 | 6 | 3 | 44 | 1 | 6 | 12 | 2 | 8 | 18 | 1 | 6 | 4 | 55 | 1 | 6 | 10 | 39 | 5 | 43 | 17.3 | 1007. | 442. | 20.0 |
| PAT (C) FPQ-6 | 1 | 6 | 3 | 45 | 1 | 6 | 12 | 7 | 8 | 21 | 1 | 6 | 4 | 56 | 1 | 6 | 10 | 45 | 5 | 48 | 17.9 | 990. | 431. | 20.0 |
| BDA (C) FPS-16M | 1 | 6 | 9 | 32 | 1 | 6 | 11 | 29 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1111. | 1073. | 20.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BCQ (C) FPQ-6 | 1 | 6 | 9 | 32 | 1 | 6 | 11 | 29 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1111. | 1073. | 20.0 |
| BCA (S) USB-30' | 1 | 6 | 9 | 32 | 1 | 6 | 11 | 29 | 1 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1111. | 1073. | 20.0 |
| GBI (C) TPQ-18 | 1 | 6 | 4 | 22 | 1 | 6 | 12 | 54 | 8 | 32 | 1 | 6 | 5 | 32 | 1 | 6 | 11 | 32 | 6 | 0 | 19.9 | 1048. | 411. | 20.0 |
| GBM (S) USB-30' | 1 | 6 | 4 | 22 | 1 | 6 | 12 | 54 | 8 | 31 | 1 | 6 | 5 | 32 | 1 | 6 | 11 | 32 | 6 | 0 | 19.9 | 1046. | 412. | 20.0 |
| ANG (S) USB-30' | 1 | 6 | 8 | 48 | 1 | 6 | 18 | 7 | 9 | 19 | 1 | 6 | 9 | 57 | 1 | 6 | 16 | 46 | 6 | 48 | 22.5 | 1083. | 430. | 20.1 |
| ASC (C) TPQ-18 | 1 | 6 | 23 | 2 | 1 | 6 | 32 | 54 | 9 | 52 | 1 | 6 | 24 | 34 | 1 | 6 | 31 | 15 | 6 | 41 | 12.7 | 1296. | 779. | 20.2 |
| ACN (S) USB-30' | 1 | 6 | 23 | 3 | 1 | 6 | 32 | 55 | 9 | 51 | 1 | 6 | 24 | 36 | 1 | 6 | 31 | 15 | 6 | 39 | 12.6 | 1295. | 782. | 20.2 |
| PRE (C) MPS-25M | 1 | 6 | 34 | 36 | 1 | 6 | 46 | 7 | 11 | 30 | 1 | 6 | 35 | 56 | 1 | 6 | 44 | 48 | 8 | 52 | 26.8 | 1219. | 523. | 20.4 |
| TAN (C) FPS-16M | 1 | 6 | 40 | 42 | 1 | 6 | 49 | 57 | 9 | 15 | 1 | 6 | 42 | 34 | 1 | 6 | 48 | 11 | 5 | 36 | 9.7 | 1257. | 889. | 20.4 |
| CRO (C) FPQ-6 | 1 | 6 | 57 | 46 | 1 | 7 | 2 | 11 | 4 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 1123. | 1036. | 20.5 |
| CRO (S) USB-30' | 1 | 6 | 57 | 46 | 1 | 7 | 2 | 11 | 4 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 1124. | 1036. | 20.5 |
| GWM (S) USB-30' | 1 | 7 | 8 | 37 | 1 | 7 | 16 | 36 | 7 | 58 | 1 | 7 | 9 | 48 | 1 | 7 | 15 | 31 | 5 | 43 | 32.4 | 882. | 232. | 20.7 |
| HAW (C) FPS-16M | 1 | 7 | 24 | 16 | 1 | 7 | 29 | 11 | 4 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 860. | 696. | 20.8 |
| HAW (S) USB-30' | 1 | 7 | 24 | 16 | 1 | 7 | 29 | 11 | 4 | 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 860. | 696. | 20.8 |
| CAL (C) FPS-16 | 1 | 7 | 31 | 19 | 1 | 7 | 39 | 3 | 7 | 43 | 1 | 7 | 32 | 31 | 1 | 7 | 37 | 42 | 5 | 11 | 15.6 | 928. | 427. | 20.9 |
| GDS (S) USB-85' | 1 | 7 | 32 | 11 | 1 | 7 | 39 | 30 | 7 | 19 | 1 | 7 | 33 | 30 | 1 | 7 | 38 | 2 | 4 | 31 | 11.5 | 1046. | 521. | 20.9 |
| GYM (S) USB-30' | 1 | 7 | 33 | 36 | 1 | 7 | 42 | 13 | 8 | 36 | 1 | 7 | 34 | 40 | 1 | 7 | 40 | 58 | 6 | 17 | 32.0 | 937. | 268. | 21.0 |
| WHS (C) FPS-16M | 1 | 7 | 34 | 36 | 1 | 7 | 41 | 59 | 7 | 23 | 1 | 7 | 36 | 0 | 1 | 7 | 40 | 23 | 4 | 23 | 10.2 | 997. | 593. | 21.0 |
| MIL (S) USB-30' | 1 | 7 | 43 | 10 | 1 | 7 | 44 | 40 | 1 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .2 | 1128. | 1109. | 21.0 |
| PAT (C) FPQ-6 | 1 | 7 | 42 | 57 | 1 | 7 | 44 | 58 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 1115. | 1098. | 21.0 |
| TEX (S) USB-30' | 1 | 7 | 36 | 45 | 1 | 7 | 44 | 40 | 7 | 54 | 1 | 7 | 38 | 6 | 1 | 7 | 43 | 8 | 5 | 2 | 12.1 | 1101. | 571. | 21.0 |
| GBI (C) TPQ-18 | 1 | 7 | 43 | 22 | 1 | 7 | 45 | 57 | 2 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1127. | 1098. | 21.0 |
| GBM (S) USB-30' | 1 | 7 | 43 | 23 | 1 | 7 | 45 | 57 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1127. | 1098. | 21.0 |
| ANG (S) USB-30' | 1 | 7 | 49 | 12 | 1 | 7 | 50 | 28 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 1231. | 1209. | 21.0 |
| ASC (C) TPQ-18 | 1 | 8 | 4 | 1 | 1 | 8 | 6 | 54 | 2 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1357. | 1337. | 21.2 |
| ACN (S) USB-30' | 1 | 8 | 4 | 5 | 1 | 8 | 6 | 52 | 2 | 46 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .6 | 1359. | 1340. | 21.2 |
| PRE (C) MPS-25M | 1 | 8 | 11 | 50 | 1 | 8 | 23 | 11 | 11 | 20 | 1 | 8 | 13 | 12 | 1 | 8 | 21 | 57 | 8 | 45 | 29.5 | 1257. | 470. | 21.4 |
| TAN (C) FPS-16M | 1 | 8 | 17 | 30 | 1 | 8 | 27 | 53 | 10 | 22 | 1 | 8 | 18 | 56 | 1 | 8 | 26 | 36 | 7 | 39 | 19.8 | 1160. | 569. | 21.4 |
| GWM (S) USB-30' | 1 | 8 | 47 | 42 | 1 | 8 | 51 | 5 | 3 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 844. | 807. | 21.6 |
| HAW (C) FPS-16M | 1 | 9 | 0 | 42 | 1 | 9 | 7 | 10 | 6 | 28 | 1 | 9 | 2 | 17 | 1 | 9 | 5 | 27 | 3 | 10 | 7.7 | 870. | 592. | 21.8 |
| HAW (S) USB-30' | 1 | 9 | 0 | 42 | 1 | 9 | 7 | 10 | 6 | 28 | 1 | 9 | 2 | 17 | 1 | 9 | 5 | 27 | 3 | 10 | 7.7 | 870. | 592. | 21.8 |
| RED (S) USB-30' | 1 | 9 | 4 | 44 | 1 | 9 | 8 | 59 | 4 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 962. | 859. | 21.9 |
| CAL (C) FPS-16 | 1 | 9 | 8 | 57 | 1 | 9 | 13 | 19 | 4 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 1000. | 928. | 21.9 |
| GYM (S) USB-30' | 1 | 9 | 11 | 5 | 1 | 9 | 16 | 58 | 5 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 1081. | 875. | 21.9 |
| PRE (C) MPS-25M | 1 | 9 | 48 | 45 | 1 | 10 | 0 | 0 | 11 | 14 | 1 | 9 | 50 | 2 | 1 | 9 | 58 | 53 | 8 | 51 | 75.7 | 1200. | 240. | 22.4 |
| TAN (C) FPS-16M | 1 | 9 | 54 | 12 | 1 | 10 | 4 | 41 | 10 | 28 | 1 | 9 | 55 | 29 | 1 | 10 | 3 | 35 | 8 | 5 | 58.5 | 1236. | 241. | 22.4 |
| HAW (C) FPS-16M | 1 | 10 | 36 | 28 | 1 | 10 | 45 | 8 | 8 | 40 | 1 | 10 | 37 | 31 | 1 | 10 | 43 | 54 | 6 | 23 | 42.0 | 951. | 216. | 22.8 |
| HAW (S) USB-30' | 1 | 10 | 36 | 28 | 1 | 10 | 45 | 8 | 8 | 40 | 1 | 10 | 37 | 31 | 1 | 10 | 43 | 54 | 6 | 23 | 42.1 | 951. | 216. | 22.8 |
| RED (S) USB-30' | 1 | 10 | 39 | 23 | 1 | 10 | 48 | 17 | 8 | 53 | 1 | 10 | 40 | 30 | 1 | 10 | 46 | 59 | 6 | 29 | 26.6 | 992. | 336. | 22.9 |
| PRE (C) MPS-25M | 1 | 11 | 26 | 9 | 1 | 11 | 35 | 21 | 9 | 11 | 1 | 11 | 27 | 41 | 1 | 11 | 34 | 1 | 6 | 19 | 14.2 | 1228. | 627. | 23.3 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TAN (C) FPS-16M | 1 | 11 | 32 | 35 | 1 | 11 | 38 | 55 | 6 | 19 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 1064. | 874. | 23.4 |
| HAW (C) FPS-16M | 1 | 12 | 12 | 55 | 1 | 12 | 21 | 24 | 8 | 28 | 1 | 12 | 14 | 11 | 1 | 12 | 19 | 58 | 5 | 46 | 14.7 | 987. | 526. | 23.8 |
| HAW (S) USB-30' | 1 | 12 | 12 | 55 | 1 | 12 | 21 | 24 | 8 | 28 | 1 | 12 | 14 | 11 | 1 | 12 | 19 | 58 | 5 | 46 | 14.7 | 987. | 527. | 23.8 |
| RED (S) USB-30' | 1 | 12 | 15 | 41 | 1 | 12 | 24 | 53 | 9 | 12 | 1 | 12 | 16 | 53 | 1 | 12 | 23 | 27 | 6 | 34 | 18.4 | 1145. | 499. | 23.8 |
| ASC (C) TPQ-18 | 1 | 12 | 56 | 27 | 1 | 13 | 3 | 40 | 7 | 13 | 1 | 12 | 59 | 12 | 1 | 13 | 1 | 4 | 1 | 52 | 5.5 | 1297. | 957. | 24.2 |
| ACN (S) USB-30' | 1 | 12 | 56 | 28 | 1 | 13 | 3 | 42 | 7 | 13 | 1 | 12 | 59 | 13 | 1 | 13 | 1 | 6 | 1 | 52 | 5.6 | 1165. | 956. | 24.2 |
| GWM (S) USB-30' | 1 | 13 | 40 | 5 | 1 | 13 | 44 | 31 | 4 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 1031. | 869. | 24.7 |
| MER (S) USB-30' | 1 | 13 | 56 | 32 | 1 | 14 | 4 | 13 | 7 | 41 | 1 | 13 | 58 | 46 | 1 | 14 | 1 | 50 | 3 | 4 | 6.4 | 1220. | 959. | 24.8 |
| ASC (C) TPQ-18 | 1 | 14 | 31 | 58 | 1 | 14 | 41 | 53 | 9 | 55 | 1 | 14 | 33 | 16 | 1 | 14 | 40 | 47 | 7 | 31 | 39.2 | 1142. | 289. | 25.2 |
| ACN (S) USB-30' | 1 | 14 | 31 | 59 | 1 | 14 | 41 | 54 | 9 | 55 | 1 | 14 | 33 | 17 | 1 | 14 | 40 | 48 | 7 | 31 | 39.5 | 1146. | 287. | 25.2 |
| GWM (S) USB-30' | 1 | 15 | 14 | 38 | 1 | 15 | 23 | 46 | 9 | 8 | 1 | 15 | 15 | 42 | 1 | 15 | 22 | 27 | 6 | 44 | 30.3 | 1103. | 308. | 25.7 |
| HTV (S) USB-30' | 1 | 15 | 22 | 51 | 1 | 15 | 32 | 54 | 10 | 3 | 1 | 15 | 24 | 2 | 1 | 15 | 31 | 30 | 7 | 27 | 23.6 | 1211. | 466. | 25.8 |
| MER (S) USB-30' | 1 | 15 | 30 | 52 | 1 | 15 | 42 | 28 | 11 | 35 | 1 | 15 | 32 | 2 | 1 | 15 | 41 | 12 | 9 | 10 | 52.2 | 1376. | 311. | 25.9 |
| ASC (C) TPQ-18 | 1 | 16 | 9 | 31 | 1 | 16 | 17 | 13 | 7 | 41 | 1 | 16 | 11 | 9 | 1 | 16 | 15 | 47 | 4 | 37 | 10.4 | 978. | 627. | 26.2 |
| ACN (S) USB-30' | 1 | 16 | 9 | 33 | 1 | 16 | 17 | 14 | 7 | 40 | 1 | 16 | 11 | 11 | 1 | 16 | 15 | 47 | 4 | 35 | 10.3 | 982. | 629. | 26.2 |
| GWM (S) USB-30' | 1 | 16 | 51 | 7 | 1 | 17 | 0 | 8 | 9 | 0 | 1 | 16 | 52 | 25 | 1 | 16 | 58 | 38 | 6 | 12 | 15.5 | 1110. | 567. | 26.7 |
| HTV (S) USB-30' | 1 | 16 | 59 | 0 | 1 | 17 | 9 | 49 | 10 | 48 | 1 | 17 | 0 | 14 | 1 | 17 | 8 | 26 | 8 | 12 | 26.8 | 1281. | 472. | 26.7 |
| MER (S) USB-30' | 1 | 17 | 7 | 35 | 1 | 17 | 19 | 13 | 11 | 38 | 1 | 17 | 8 | 50 | 1 | 17 | 17 | 54 | 9 | 4 | 31.1 | 1233. | 470. | 26.8 |
| CYI (C) MPS26 | 1 | 17 | 51 | 20 | 1 | 17 | 58 | 4 | 6 | 43 | 1 | 17 | 52 | 50 | 1 | 17 | 56 | 41 | 3 | 50 | 9.8 | 955. | 521. | 27.2 |
| CYI (S) USB-30' | 1 | 17 | 51 | 20 | 1 | 17 | 58 | 4 | 6 | 43 | 1 | 17 | 52 | 50 | 1 | 17 | 56 | 41 | 3 | 50 | 9.8 | 955. | 521. | 27.2 |
| HSK (S) USB-85' | 1 | 18 | 36 | 41 | 1 | 18 | 44 | 8 | 7 | 27 | 1 | 18 | 39 | 26 | 1 | 18 | 41 | 11 | 1 | 45 | 5.4 | 1280. | 1057. | 27.7 |
| HTV (S) USB-30' | 1 | 18 | 38 | 3 | 1 | 18 | 44 | 54 | 6 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 1319. | 1125. | 27.7 |
| MER (S) USB-30' | 1 | 18 | 45 | 19 | 1 | 18 | 55 | 59 | 10 | 39 | 1 | 18 | 46 | 50 | 1 | 18 | 54 | 28 | 7 | 38 | 15.7 | 1353. | 737. | 27.8 |
| ANG (S) USB-30' | 1 | 19 | 16 | 29 | 1 | 19 | 23 | 7 | 6 | 37 | 1 | 19 | 18 | 23 | 1 | 19 | 21 | 24 | 3 | 0 | 6.9 | 917. | 685. | 28.1 |
| VAN (S) USB-30' | 1 | 19 | 24 | 11 | 1 | 19 | 26 | 45 | 2 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 934. | 892. | 28.1 |
| CYI (C) MPS26 | 1 | 19 | 27 | 9 | 1 | 19 | 34 | 47 | 7 | 38 | 1 | 19 | 28 | 16 | 1 | 19 | 33 | 44 | 5 | 27 | 46.6 | 860. | 155. | 28.2 |
| CYI (S) USB-30' | 1 | 19 | 27 | 9 | 1 | 19 | 34 | 47 | 7 | 38 | 1 | 19 | 28 | 16 | 1 | 19 | 33 | 44 | 5 | 27 | 46.6 | 860. | 155. | 28.2 |
| MAD (S) USB-85' | 1 | 19 | 31 | 19 | 1 | 19 | 37 | 15 | 5 | 55 | 1 | 19 | 32 | 59 | 1 | 19 | 35 | 37 | 2 | 37 | 7.2 | 869. | 553. | 28.3 |
| CRO (C) FPQ-6 | 1 | 20 | 3 | 24 | 1 | 20 | 12 | 3 | 8 | 39 | 1 | 20 | 5 | 9 | 1 | 20 | 10 | 8 | 4 | 59 | 9.0 | 1251. | 868. | 28.6 |
| CRO (S) USB-30' | 1 | 20 | 3 | 24 | 1 | 20 | 12 | 3 | 8 | 39 | 1 | 20 | 5 | 9 | 1 | 20 | 10 | 8 | 4 | 59 | 9.0 | 1251. | 868. | 28.6 |
| HSK (S) USB-85' | 1 | 20 | 10 | 47 | 1 | 20 | 22 | 2 | 11 | 15 | 1 | 20 | 12 | 6 | 1 | 20 | 20 | 40 | 8 | 34 | 24.4 | 1272. | 555. | 28.7 |
| MER (S) USB-30' | 1 | 20 | 22 | 49 | 1 | 20 | 33 | 23 | 10 | 33 | 1 | 20 | 24 | 20 | 1 | 20 | 31 | 57 | 7 | 37 | 16.4 | 1266. | 697. | 28.8 |
| GBI (C) TPQ-18 | 1 | 20 | 52 | 39 | 1 | 20 | 55 | 31 | 2 | 51 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 959. | 922. | 29.1 |
| GBM (S) USB-30' | 1 | 20 | 52 | 39 | 1 | 20 | 55 | 32 | 2 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 957. | 921. | 29.1 |
| BDA (C) FPS-16M | 1 | 20 | 55 | 33 | 1 | 20 | 59 | 36 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 901. | 811. | 29.1 |
| BDQ (C) FPQ-6 | 1 | 20 | 55 | 33 | 1 | 20 | 59 | 36 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 901. | 811. | 29.1 |
| BDA (S) USB-30' | 1 | 20 | 55 | 33 | 1 | 20 | 59 | 36 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 902. | 811. | 29.1 |
| ANG (S) USB-30' | 1 | 20 | 52 | 2 | 1 | 21 | 0 | 11 | 8 | 8 | 1 | 20 | 53 | 14 | 1 | 20 | 59 | 9 | 5 | 55 | 54.0 | 924. | 158. | 29.1 |
| VAN (S) USB-30' | 1 | 20 | 57 | 50 | 1 | 21 | 5 | 2 | 7 | 11 | 1 | 20 | 59 | 4 | 1 | 21 | 3 | 53 | 4 | 48 | 17.6 | 806. | 338. | 29.2 |
| CYI (C) MPS26 | 1 | 21 | 4 | 5 | 1 | 21 | 11 | 11 | 7 | 5 | 1 | 21 | 5 | 18 | 1 | 21 | 9 | 58 | 4 | 39 | 16.7 | 816. | 341. | 29.2 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CYI (S) USB-30' | 1 | 21 | 4 | 5 | 1 | 21 | 11 | 11 | 7 | 5 | 1 | 21 | 5 | 18 | 1 | 21 | 9 | 58 | 4 | 40 | 16.7 | 816. | 341. | 29.2 |
| MAD (S) USB-85' | 1 | 21 | 6 | 55 | 1 | 21 | 13 | 36 | 6 | 41 | 1 | 21 | 8 | 13 | 1 | 21 | 12 | 15 | 4 | 1 | 11.4 | 896. | 446. | 29.3 |
| CRO (C) FPQ-6 | 1 | 21 | 38 | 8 | 1 | 21 | 49 | 54 | 11 | 45 | 1 | 21 | 39 | 19 | 1 | 21 | 48 | 37 | 9 | 18 | 55.4 | 1293. | 303. | 29.6 |
| CRO (S) USB-30' | 1 | 21 | 38 | 8 | 1 | 21 | 49 | 54 | 11 | 45 | 1 | 21 | 39 | 19 | 1 | 21 | 48 | 37 | 9 | 18 | 55.3 | 1293. | 304. | 29.6 |
| HSK (S) USB-85' | 1 | 21 | 46 | 44 | 1 | 21 | 58 | 47 | 12 | 2 | 1 | 21 | 47 | 58 | 1 | 21 | 57 | 33 | 9 | 34 | 52.6 | 1299. | 330. | 29.7 |
| MER (S) USB-30' | 1 | 21 | 59 | 38 | 1 | 22 | 10 | 48 | 11 | 9 | 1 | 22 | 0 | 57 | 1 | 22 | 9 | 38 | 8 | 40 | 38.0 | 1190. | 368. | 29.8 |
| TEX (S) USB-30' | 1 | 22 | 24 | 20 | 1 | 22 | 28 | 30 | 4 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.3 | 984. | 842. | 30.0 |
| MIL (S) USB-30' | 1 | 22 | 26 | 19 | 1 | 22 | 33 | 25 | 7 | 5 | 1 | 22 | 27 | 40 | 1 | 22 | 32 | 11 | 4 | 31 | 12.9 | 946. | 435. | 30.0 |
| PAT (C) FPQ-6 | 1 | 22 | 26 | 16 | 1 | 22 | 33 | 26 | 7 | 9 | 1 | 22 | 27 | 36 | 1 | 22 | 32 | 14 | 4 | 38 | 13.6 | 935. | 419. | 30.0 |
| GBI (C) TPQ-18 | 1 | 22 | 26 | 21 | 1 | 22 | 33 | 57 | 7 | 36 | 1 | 22 | 27 | 33 | 1 | 22 | 32 | 52 | 5 | 18 | 24.4 | 949. | 275. | 30.1 |
| GBM (S) USB-30' | 1 | 22 | 26 | 21 | 1 | 22 | 33 | 58 | 7 | 36 | 1 | 22 | 27 | 33 | 1 | 22 | 32 | 52 | 5 | 18 | 24.5 | 950. | 274. | 30.1 |
| ANG (S) USB-30' | 1 | 22 | 30 | 15 | 1 | 22 | 35 | 27 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 894. | 684. | 30.1 |
| BDA (C) FPS-16M | 1 | 22 | 29 | 56 | 1 | 22 | 37 | 15 | 7 | 18 | 1 | 22 | 31 | 8 | 1 | 22 | 36 | 7 | 4 | 59 | 20.9 | 819. | 295. | 30.1 |
| BDQ (C) FPQ-6 | 1 | 22 | 29 | 56 | 1 | 22 | 37 | 15 | 7 | 18 | 1 | 22 | 31 | 8 | 1 | 22 | 36 | 7 | 4 | 59 | 20.9 | 819. | 295. | 30.1 |
| BDA (S) USB-30' | 1 | 22 | 29 | 56 | 1 | 22 | 37 | 15 | 7 | 18 | 1 | 22 | 31 | 8 | 1 | 22 | 36 | 7 | 4 | 59 | 20.9 | 819. | 295. | 30.1 |
| VAN (S) USB-30' | 1 | 22 | 33 | 59 | 1 | 22 | 41 | 32 | 7 | 33 | 1 | 22 | 35 | 4 | 1 | 22 | 40 | 26 | 5 | 22 | 54.9 | 883. | 137. | 30.2 |
| CYI (C) MPS26 | 1 | 22 | 40 | 45 | 1 | 22 | 48 | 11 | 7 | 26 | 1 | 22 | 41 | 53 | 1 | 22 | 46 | 57 | 5 | 4 | 19.7 | 806. | 320. | 30.2 |
| CYI (S) USB-30' | 1 | 22 | 40 | 45 | 1 | 22 | 48 | 11 | 7 | 26 | 1 | 22 | 41 | 53 | 1 | 22 | 46 | 57 | 5 | 4 | 19.7 | 806. | 320. | 30.2 |
| MAD (S) USB-85' | 1 | 22 | 43 | 8 | 1 | 22 | 49 | 20 | 6 | 11 | 1 | 22 | 44 | 47 | 1 | 22 | 47 | 36 | 2 | 49 | 7.2 | 852. | 599. | 30.2 |
| CRO (C) FPQ-6 | 1 | 23 | 14 | 51 | 1 | 23 | 26 | 39 | 11 | 48 | 1 | 23 | 16 | 6 | 1 | 23 | 25 | 21 | 9 | 15 | 35.3 | 1344. | 432. | 30.6 |
| CRO (S) USB-30' | 1 | 23 | 14 | 51 | 1 | 23 | 26 | 39 | 11 | 48 | 1 | 23 | 16 | 6 | 1 | 23 | 25 | 21 | 9 | 15 | 35.3 | 1343. | 431. | 30.6 |
| HSK (S) USB-85' | 1 | 23 | 23 | 19 | 1 | 23 | 35 | 14 | 11 | 55 | 1 | 23 | 24 | 34 | 1 | 23 | 34 | 3 | 9 | 29 | 57.6 | 1355. | 306. | 30.7 |
| HTV (S) USB-30' | 1 | 23 | 36 | 24 | 1 | 23 | 36 | 30 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .0 | 1305. | 1305. | 30.7 |
| MER (S) USB-30' | 1 | 23 | 36 | 38 | 1 | 23 | 46 | 57 | 10 | 18 | 1 | 23 | 37 | 58 | 1 | 23 | 45 | 48 | 7 | 49 | 29.1 | 1137. | 401. | 30.8 |
| GYM (S) USB-30' | 1 | 23 | 56 | 33 | 2 | 0 | 3 | 3 | 6 | 30 | 1 | 23 | 58 | 11 | 2 | 0 | 1 | 33 | 3 | 22 | 8.1 | 826. | 579. | 31.0 |
| WHS (C) FPS-16M | 1 | 23 | 58 | 33 | 2 | 0 | 3 | 57 | 5 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.9 | 833. | 681. | 31.0 |
| TEX (S) USB-30' | 1 | 23 | 58 | 41 | 2 | 0 | 6 | 19 | 7 | 38 | 1 | 23 | 59 | 51 | 2 | 0 | 5 | 15 | 5 | 24 | 29.2 | 791. | 235. | 31.0 |
| MIL (S) USB-30' | 2 | 0 | 2 | 25 | 2 | 0 | 10 | 0 | 7 | 35 | 2 | 0 | 3 | 31 | 2 | 0 | 8 | 56 | 5 | 24 | 50.4 | 911. | 147. | 31.1 |
| PAT (C) FPQ-6 | 2 | 0 | 2 | 25 | 2 | 0 | 9 | 59 | 7 | 34 | 2 | 0 | 3 | 32 | 2 | 0 | 8 | 56 | 5 | 23 | 45.8 | 913. | 157. | 31.1 |
| GBI (C) TPQ-18 | 2 | 0 | 2 | 54 | 2 | 0 | 10 | 17 | 7 | 22 | 2 | 0 | 4 | 4 | 2 | 0 | 9 | 11 | 5 | 6 | 24.6 | 798. | 256. | 31.1 |
| GBM (S) USB-30' | 2 | 0 | 2 | 55 | 2 | 0 | 10 | 17 | 7 | 22 | 2 | 0 | 4 | 4 | 2 | 0 | 9 | 11 | 5 | 6 | 24.5 | 800. | 257. | 31.1 |
| BDA (C) FPS-16M | 2 | 0 | 6 | 10 | 2 | 0 | 13 | 44 | 7 | 33 | 2 | 0 | 7 | 15 | 2 | 0 | 12 | 38 | 5 | 22 | 42.8 | 844. | 163. | 31.1 |
| BDQ (C) FPQ-6 | 2 | 0 | 6 | 10 | 2 | 0 | 13 | 44 | 7 | 33 | 2 | 0 | 7 | 15 | 2 | 0 | 12 | 38 | 5 | 22 | 42.8 | 844. | 163. | 31.1 |
| BDA (S) USB-30' | 2 | 0 | 6 | 10 | 2 | 0 | 13 | 44 | 7 | 33 | 2 | 0 | 7 | 15 | 2 | 0 | 12 | 38 | 5 | 22 | 42.9 | 844. | 163. | 31.1 |
| VAN (S) USB-30' | 2 | 0 | 10 | 30 | 2 | 0 | 18 | 10 | 7 | 40 | 2 | 0 | 11 | 33 | 2 | 0 | 17 | 4 | 5 | 31 | 50.4 | 782. | 151. | 31.2 |
| CYI (C) MPS26 | 2 | 0 | 16 | 55 | 2 | 0 | 25 | 16 | 8 | 20 | 2 | 0 | 17 | 56 | 2 | 0 | 24 | 5 | 6 | 9 | 52.7 | 859. | 166. | 31.2 |
| CYI (S) USB-30' | 2 | 0 | 16 | 55 | 2 | 0 | 25 | 16 | 8 | 20 | 2 | 0 | 17 | 56 | 2 | 0 | 24 | 5 | 6 | 9 | 52.7 | 859. | 166. | 31.2 |
| TAN (C) FPS-16M | 2 | 0 | 36 | 18 | 2 | 0 | 46 | 57 | 10 | 38 | 2 | 0 | 37 | 31 | 2 | 0 | 45 | 34 | 8 | 2 | 25.7 | 1252. | 480. | 31.4 |
| CRO (C) FPQ-6 | 2 | 0 | 52 | 16 | 2 | 1 | 3 | 33 | 11 | 17 | 2 | 0 | 53 | 40 | 2 | 1 | 2 | 12 | 8 | 32 | 21.8 | 1346. | 603. | 31.6 |
| CRO (S) USB-30' | 2 | 0 | 52 | 16 | 2 | 1 | 3 | 34 | 11 | 17 | 2 | 0 | 53 | 40 | 2 | 1 | 2 | 13 | 8 | 32 | 21.8 | 1347. | 603. | 31.6 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 2 | 1 | 0 | 8 | 2 | 1 | 11 | 10 | 11 | 1 | 2 | 1 | 1 | 30 | 2 | 1 | 9 | 56 | 8 | 25 | 26.4 | 1311. | 501. | 31.7 |
| HTV (S) USB-30' | 2 | 1 | 9 | 14 | 2 | 1 | 18 | 14 | 8 | 59 | 2 | 1 | 10 | 52 | 2 | 1 | 16 | 47 | 5 | 54 | 12.0 | 1250. | 699. | 31.7 |
| MER (S) USB-30' | 2 | 1 | 16 | 38 | 2 | 1 | 19 | 26 | 2 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 1130. | 1110. | 31.8 |
| RED (S) USB-30' | 2 | 1 | 21 | 56 | 2 | 1 | 30 | 2 | 8 | 5 | 2 | 1 | 23 | 18 | 2 | 1 | 28 | 51 | 5 | 33 | 17.3 | 983. | 419. | 31.9 |
| CAL (C) FPS-16 | 2 | 1 | 31 | 41 | 2 | 1 | 37 | 39 | 5 | 58 | 2 | 1 | 33 | 26 | 2 | 1 | 36 | 0 | 2 | 34 | 6.8 | 889. | 592. | 31.9 |
| GDS (S) USB-85' | 2 | 1 | 32 | 25 | 2 | 1 | 38 | 32 | 6 | 7 | 2 | 1 | 34 | 3 | 2 | 1 | 37 | 0 | 2 | 56 | 7.8 | 925. | 553. | 31.9 |
| GYM (S) USB-30' | 2 | 1 | 32 | 11 | 2 | 1 | 39 | 51 | 7 | 40 | 2 | 1 | 33 | 19 | 2 | 1 | 38 | 47 | 5 | 28 | 87.5 | 882. | 117. | 32.0 |
| WHS (C) FPS-16M | 2 | 1 | 33 | 38 | 2 | 1 | 41 | 2 | 7 | 24 | 2 | 1 | 34 | 36 | 2 | 1 | 39 | 56 | 5 | 19 | 30.6 | 884. | 214. | 32.0 |
| TEX (S) USB-30' | 2 | 1 | 35 | 20 | 2 | 1 | 42 | 38 | 7 | 18 | 2 | 1 | 36 | 29 | 2 | 1 | 41 | 30 | 5 | 0 | 25.3 | 903. | 248. | 32.0 |
| PAT (C) FPQ-6 | 2 | 1 | 39 | 21 | 2 | 1 | 46 | 23 | 7 | 2 | 2 | 1 | 40 | 33 | 2 | 1 | 45 | 11 | 4 | 38 | 17.3 | 909. | 333. | 32.0 |
| MIL (S) USB-30' | 2 | 1 | 39 | 18 | 2 | 1 | 46 | 24 | 7 | 5 | 2 | 1 | 40 | 29 | 2 | 1 | 45 | 12 | 4 | 42 | 18.5 | 910. | 317. | 32.0 |
| GBI (C) TPQ-18 | 2 | 1 | 40 | 4 | 2 | 1 | 46 | 43 | 6 | 39 | 2 | 1 | 41 | 22 | 2 | 1 | 45 | 23 | 4 | 1 | 11.9 | 912. | 431. | 32.0 |
| GBM (S) USB-30' | 2 | 1 | 40 | 4 | 2 | 1 | 46 | 43 | 6 | 39 | 2 | 1 | 41 | 22 | 2 | 1 | 45 | 24 | 4 | 1 | 11.9 | 911. | 432. | 32.0 |
| BDA (C) FPS-16M | 2 | 1 | 42 | 38 | 2 | 1 | 50 | 20 | 7 | 42 | 2 | 1 | 43 | 42 | 2 | 1 | 49 | 11 | 5 | 29 | 62.7 | 899. | 132. | 32.1 |
| BDQ (C) FPQ-6 | 2 | 1 | 42 | 38 | 2 | 1 | 50 | 20 | 7 | 42 | 2 | 1 | 43 | 42 | 2 | 1 | 49 | 11 | 5 | 29 | 62.7 | 899. | 132. | 32.1 |
| BCA (S) USB-30' | 2 | 1 | 42 | 38 | 2 | 1 | 50 | 20 | 7 | 42 | 2 | 1 | 43 | 42 | 2 | 1 | 49 | 11 | 5 | 29 | 62.7 | 900. | 132. | 32.1 |
| VAN (S) USB-30' | 2 | 1 | 46 | 47 | 2 | 1 | 54 | 52 | 8 | 4 | 2 | 1 | 47 | 50 | 2 | 1 | 53 | 42 | 5 | 51 | 41.6 | 912. | 190. | 32.1 |
| CYI (C) MPS26 | 2 | 1 | 53 | 22 | 2 | 2 | 1 | 32 | 8 | 10 | 2 | 1 | 54 | 34 | 2 | 2 | 0 | 8 | 5 | 33 | 16.3 | 1028. | 455. | 32.2 |
| CYI (S) USB-30' | 2 | 1 | 53 | 22 | 2 | 2 | 1 | 32 | 8 | 10 | 2 | 1 | 54 | 34 | 2 | 2 | 0 | 8 | 5 | 33 | 16.3 | 1028. | 455. | 32.2 |
| PRE (C) MPS-25M | 2 | 2 | 10 | 43 | 2 | 2 | 19 | 24 | 8 | 41 | 2 | 2 | 12 | 29 | 2 | 2 | 17 | 29 | 5 | 0 | 9.0 | 1303. | 880. | 32.4 |
| TAN (C) FPS-16M | 2 | 2 | 12 | 17 | 2 | 2 | 24 | 0 | 11 | 43 | 2 | 2 | 13 | 25 | 2 | 2 | 22 | 44 | 9 | 18 | 66.9 | 1188. | 272. | 32.4 |
| CRO (C) FPQ-6 | 2 | 2 | 29 | 22 | 2 | 2 | 40 | 36 | 11 | 13 | 2 | 2 | 30 | 44 | 2 | 2 | 39 | 18 | 8 | 34 | 25.4 | 1235. | 526. | 32.6 |
| CRO (S) USB-30' | 2 | 2 | 29 | 22 | 2 | 2 | 40 | 36 | 11 | 13 | 2 | 2 | 30 | 44 | 2 | 2 | 39 | 19 | 8 | 34 | 25.4 | 1235. | 525. | 32.6 |
| HSK (S) USB-85' | 2 | 2 | 37 | 28 | 2 | 2 | 46 | 17 | 8 | 49 | 2 | 2 | 39 | 14 | 2 | 2 | 44 | 41 | 5 | 26 | 10.2 | 1222. | 803. | 32.7 |
| HTV (S) USB-30' | 2 | 2 | 45 | 25 | 2 | 2 | 55 | 17 | 9 | 51 | 2 | 2 | 46 | 41 | 2 | 2 | 54 | 12 | 7 | 31 | 51.7 | 1081. | 229. | 32.7 |
| HAW (C) FPS-16M | 2 | 2 | 57 | 51 | 2 | 3 | 4 | 48 | 6 | 57 | 2 | 2 | 59 | 23 | 2 | 3 | 3 | 24 | 4 | 1 | 9.9 | 968. | 544. | 32.8 |
| HAW (S) USB-30' | 2 | 2 | 57 | 51 | 2 | 3 | 4 | 48 | 6 | 56 | 2 | 2 | 59 | 23 | 2 | 3 | 3 | 24 | 4 | 1 | 9.9 | 968. | 544. | 32.8 |
| RED (S) USB-30' | 2 | 2 | 58 | 21 | 2 | 3 | 6 | 25 | 8 | 4 | 2 | 2 | 59 | 31 | 2 | 3 | 5 | 21 | 5 | 50 | 33.7 | 850. | 228. | 32.8 |
| CAL (C) FPS-16 | 2 | 3 | 7 | 15 | 2 | 3 | 14 | 26 | 7 | 10 | 2 | 3 | 8 | 25 | 2 | 3 | 13 | 16 | 4 | 50 | 19.5 | 826. | 304. | 32.9 |
| GDS (S) USB-85' | 2 | 3 | 8 | 5 | 2 | 3 | 15 | 14 | 7 | 8 | 2 | 3 | 9 | 15 | 2 | 3 | 14 | 4 | 4 | 49 | 18.7 | 896. | 312. | 33.0 |
| GYM (S) USB-30' | 2 | 3 | 8 | 55 | 2 | 3 | 16 | 13 | 7 | 17 | 2 | 3 | 10 | 5 | 2 | 3 | 15 | 4 | 4 | 58 | 21.3 | 878. | 284. | 33.0 |
| WHS (C) FPS-16M | 2 | 3 | 9 | 58 | 2 | 3 | 17 | 32 | 7 | 33 | 2 | 3 | 11 | 4 | 2 | 3 | 16 | 26 | 5 | 22 | 49.2 | 863. | 147. | 33.0 |
| TEX (S) USB-30' | 2 | 3 | 12 | 9 | 2 | 3 | 19 | 12 | 7 | 2 | 2 | 3 | 13 | 20 | 2 | 3 | 17 | 57 | 4 | 36 | 14.6 | 904. | 379. | 33.0 |
| MIL (S) USB-30' | 2 | 3 | 15 | 46 | 2 | 3 | 23 | 21 | 7 | 34 | 2 | 3 | 16 | 53 | 2 | 3 | 22 | 7 | 5 | 13 | 22.2 | 916. | 292. | 33.1 |
| PAT (C) FPQ-6 | 2 | 3 | 15 | 49 | 2 | 3 | 23 | 22 | 7 | 32 | 2 | 3 | 16 | 58 | 2 | 3 | 22 | 7 | 5 | 9 | 20.7 | 914. | 308. | 33.1 |
| GBI (C) TPQ-18 | 2 | 3 | 16 | 31 | 2 | 3 | 23 | 53 | 7 | 22 | 2 | 3 | 17 | 42 | 2 | 3 | 22 | 36 | 4 | 54 | 16.4 | 813. | 372. | 33.1 |
| GBM (S) USB-30' | 2 | 3 | 16 | 31 | 2 | 3 | 23 | 53 | 7 | 22 | 2 | 3 | 17 | 42 | 2 | 3 | 22 | 36 | 4 | 54 | 16.5 | 812. | 372. | 33.1 |
| BDA (C) FPS-16M | 2 | 3 | 18 | 53 | 2 | 3 | 26 | 58 | 8 | 4 | 2 | 3 | 19 | 57 | 2 | 3 | 25 | 47 | 5 | 50 | 35.5 | 872. | 220. | 33.1 |
| BDQ (C) FPQ-6 | 2 | 3 | 18 | 53 | 2 | 3 | 26 | 58 | 8 | 4 | 2 | 3 | 19 | 57 | 2 | 3 | 25 | 47 | 5 | 50 | 35.5 | 872. | 220. | 33.1 |
| BCA (S) USB-30' | 2 | 3 | 18 | 53 | 2 | 3 | 26 | 58 | 8 | 4 | 2 | 3 | 19 | 57 | 2 | 3 | 25 | 47 | 5 | 50 | 35.5 | 871. | 220. | 33.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ANG (S) USB-30' | 2 | 3 | 21 | 51 | 2 | 3 | 27 | 48 | 5 | 57 | 2 | 3 | 24 | 2 | 2 | 3 | 25 | 23 | 1 | 20 | 5.4 | 919. | 715. | 33.1 |
| VAN (S) USB-30' | 2 | 3 | 23 | 17 | 2 | 3 | 30 | 48 | 7 | 30 | 2 | 3 | 24 | 36 | 2 | 3 | 29 | 18 | 4 | 42 | 11.8 | 944. | 533. | 33.1 |
| ASC (C) TPQ-18 | 2 | 3 | 34 | 50 | 2 | 3 | 43 | 55 | 9 | 5 | 2 | 3 | 36 | 13 | 2 | 3 | 42 | 21 | 6 | 8 | 13.6 | 1131. | 648. | 33.2 |
| ACN (S) USB-30' | 2 | 3 | 34 | 50 | 2 | 3 | 43 | 56 | 9 | 5 | 2 | 3 | 36 | 13 | 2 | 3 | 42 | 22 | 6 | 9 | 13.7 | 1127. | 645. | 33.2 |
| PRE (C) MPS-25M | 2 | 3 | 45 | 27 | 2 | 3 | 57 | 12 | 11 | 45 | 2 | 3 | 46 | 37 | 2 | 3 | 55 | 56 | 9 | 19 | 54.6 | 1362. | 309. | 33.4 |
| TAN (C) FPS-16M | 2 | 3 | 49 | 41 | 2 | 4 | 0 | 28 | 10 | 47 | 2 | 3 | 51 | 8 | 2 | 3 | 58 | 59 | 7 | 51 | 17.4 | 1313. | 688. | 33.4 |
| CRO (C) FPQ-6 | 2 | 4 | 6 | 15 | 2 | 4 | 17 | 34 | 11 | 18 | 2 | 4 | 7 | 31 | 2 | 4 | 16 | 26 | 8 | 55 | 66.1 | 1173. | 257. | 33.6 |
| CRO (S) USB-30' | 2 | 4 | 6 | 15 | 2 | 4 | 17 | 34 | 11 | 19 | 2 | 4 | 7 | 31 | 2 | 4 | 16 | 26 | 8 | 55 | 66.2 | 1173. | 257. | 33.6 |
| HTV (S) USB-30' | 2 | 4 | 23 | 26 | 2 | 4 | 30 | 9 | 6 | 42 | 2 | 4 | 25 | 32 | 2 | 4 | 28 | 17 | 2 | 44 | 6.6 | 1012. | 733. | 33.7 |
| HAW (C) FPS-16M | 2 | 4 | 33 | 46 | 2 | 4 | 41 | 29 | 7 | 43 | 2 | 4 | 34 | 56 | 2 | 4 | 40 | 26 | 5 | 29 | 36.2 | 883. | 195. | 33.8 |
| HAW (S) USB-30' | 2 | 4 | 33 | 46 | 2 | 4 | 41 | 29 | 7 | 43 | 2 | 4 | 34 | 56 | 2 | 4 | 40 | 26 | 5 | 29 | 36.2 | 884. | 195. | 33.8 |
| RED (S) USB-30' | 2 | 4 | 37 | 0 | 2 | 4 | 41 | 18 | 4 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.7 | 908. | 756. | 33.8 |
| CAL (C) FPS-16 | 2 | 4 | 43 | 21 | 2 | 4 | 50 | 56 | 7 | 35 | 2 | 4 | 44 | 24 | 2 | 4 | 49 | 50 | 5 | 26 | 54.7 | 736. | 139. | 33.9 |
| GDS (S) USB-85' | 2 | 4 | 44 | 10 | 2 | 4 | 51 | 44 | 7 | 33 | 2 | 4 | 45 | 13 | 2 | 4 | 50 | 37 | 5 | 23 | 39.6 | 792. | 177. | 34.0 |
| GYM (S) USB-30' | 2 | 4 | 45 | 44 | 2 | 4 | 52 | 59 | 7 | 15 | 2 | 4 | 46 | 55 | 2 | 4 | 51 | 45 | 4 | 50 | 17.3 | 815. | 344. | 34.0 |
| WHS (C) FPS-16M | 2 | 4 | 46 | 22 | 2 | 4 | 54 | 8 | 7 | 46 | 2 | 4 | 47 | 24 | 2 | 4 | 53 | 0 | 5 | 36 | 72.2 | 950. | 125. | 34.0 |
| TEX (S) USB-30' | 2 | 4 | 48 | 37 | 2 | 4 | 56 | 21 | 7 | 43 | 2 | 4 | 49 | 43 | 2 | 4 | 55 | 6 | 5 | 22 | 24.1 | 938. | 282. | 34.0 |
| MIL (S) USB-30' | 2 | 4 | 51 | 59 | 2 | 5 | 0 | 21 | 8 | 22 | 2 | 4 | 53 | 2 | 2 | 4 | 59 | 8 | 6 | 6 | 63.9 | 993. | 152. | 34.1 |
| PAT (C) FPQ-6 | 2 | 4 | 52 | 2 | 2 | 5 | 0 | 25 | 8 | 22 | 2 | 4 | 53 | 5 | 2 | 4 | 59 | 12 | 6 | 7 | 70.4 | 982. | 146. | 34.1 |
| GBI (C) TPQ-18 | 2 | 4 | 52 | 37 | 2 | 5 | 1 | 6 | 8 | 28 | 2 | 4 | 53 | 39 | 2 | 4 | 59 | 56 | 6 | 16 | 49.9 | 836. | 182. | 34.1 |
| GBM (S) USB-30' | 2 | 4 | 52 | 38 | 2 | 5 | 1 | 6 | 8 | 28 | 2 | 4 | 53 | 40 | 2 | 4 | 59 | 56 | 6 | 16 | 50.3 | 837. | 181. | 34.1 |
| BDA (C) FPS-16M | 2 | 4 | 55 | 35 | 2 | 5 | 2 | 34 | 6 | 58 | 2 | 4 | 57 | 7 | 2 | 5 | 0 | 50 | 3 | 43 | 8.5 | 998. | 635. | 34.1 |
| BDO (C) FPQ-6 | 2 | 4 | 55 | 35 | 2 | 5 | 2 | 34 | 6 | 58 | 2 | 4 | 57 | 7 | 2 | 5 | 0 | 50 | 3 | 43 | 8.5 | 998. | 635. | 34.1 |
| BDA (S) USB-30' | 2 | 4 | 55 | 35 | 2 | 5 | 2 | 34 | 6 | 58 | 2 | 4 | 57 | 7 | 2 | 5 | 0 | 50 | 3 | 43 | 8.5 | 998. | 636. | 34.1 |
| ANG (S) USB-30' | 2 | 4 | 57 | 8 | 2 | 5 | 6 | 11 | 9 | 3 | 2 | 4 | 58 | 11 | 2 | 5 | 4 | 57 | 6 | 46 | 47.4 | 1126. | 212. | 34.1 |
| ASC (C) TPQ-18 | 2 | 5 | 10 | 19 | 2 | 5 | 21 | 24 | 11 | 4 | 2 | 5 | 11 | 27 | 2 | 5 | 20 | 5 | 8 | 37 | 43.1 | 1285. | 324. | 34.2 |
| ACN (S) USB-30' | 2 | 5 | 10 | 21 | 2 | 5 | 21 | 24 | 11 | 3 | 2 | 5 | 11 | 28 | 2 | 5 | 20 | 5 | 8 | 37 | 42.5 | 1282. | 327. | 34.2 |
| PRE (C) MPS-25M | 2 | 5 | 22 | 6 | 2 | 5 | 33 | 58 | 11 | 51 | 2 | 5 | 23 | 20 | 2 | 5 | 32 | 43 | 9 | 22 | 39.9 | 1349. | 395. | 34.4 |
| TAN (C) FPS-16M | 2 | 5 | 27 | 54 | 2 | 5 | 37 | 16 | 9 | 21 | 2 | 5 | 29 | 47 | 2 | 5 | 35 | 25 | 5 | 37 | 9.3 | 1347. | 927. | 34.4 |
| CRO (C) FPQ-6 | 2 | 5 | 43 | 29 | 2 | 5 | 53 | 11 | 9 | 42 | 2 | 5 | 44 | 56 | 2 | 5 | 51 | 56 | 7 | 0 | 18.1 | 1177. | 554. | 34.6 |
| CRO (S) USB-30' | 2 | 5 | 43 | 29 | 2 | 5 | 53 | 11 | 9 | 41 | 2 | 5 | 44 | 56 | 2 | 5 | 51 | 56 | 6 | 59 | 18.0 | 1177. | 555. | 34.6 |
| GWM (S) USB-30' | 2 | 5 | 56 | 45 | 2 | 6 | 4 | 54 | 8 | 9 | 2 | 5 | 58 | 6 | 2 | 6 | 3 | 45 | 5 | 38 | 18.8 | 1014. | 396. | 34.7 |
| HAW (C) FPS-16M | 2 | 6 | 11 | 28 | 2 | 6 | 17 | 21 | 5 | 52 | 2 | 6 | 13 | 14 | 2 | 6 | 15 | 35 | 2 | 20 | 6.6 | 847. | 575. | 34.8 |
| HAW (S) USB-30' | 2 | 6 | 11 | 28 | 2 | 6 | 17 | 21 | 5 | 52 | 2 | 6 | 13 | 14 | 2 | 6 | 15 | 35 | 2 | 20 | 6.7 | 847. | 574. | 34.8 |
| CAL (C) FPS-16 | 2 | 6 | 19 | 38 | 2 | 6 | 27 | 20 | 7 | 41 | 2 | 6 | 20 | 43 | 2 | 6 | 26 | 12 | 5 | 29 | 35.2 | 895. | 207. | 34.9 |
| GDS (S) USB-85' | 2 | 6 | 20 | 25 | 2 | 6 | 27 | 57 | 7 | 31 | 2 | 6 | 21 | 32 | 2 | 6 | 26 | 49 | 5 | 16 | 24.4 | 903. | 281. | 34.9 |
| GYM (S) USB-30' | 2 | 6 | 22 | 1 | 2 | 6 | 29 | 54 | 7 | 52 | 2 | 6 | 23 | 5 | 2 | 6 | 28 | 49 | 5 | 43 | 51.8 | 918. | 164. | 35.0 |
| WHS (C) FPS-16M | 2 | 6 | 22 | 41 | 2 | 6 | 30 | 24 | 7 | 42 | 2 | 6 | 23 | 47 | 2 | 6 | 29 | 16 | 5 | 29 | 25.0 | 921. | 284. | 35.0 |
| TEX (S) USB-30' | 2 | 6 | 24 | 49 | 2 | 6 | 32 | 49 | 7 | 59 | 2 | 6 | 25 | 54 | 2 | 6 | 31 | 43 | 5 | 49 | 43.6 | 946. | 184. | 35.0 |
| MIL (S) USB-30' | 2 | 6 | 28 | 55 | 2 | 6 | 35 | 19 | 6 | 24 | 2 | 6 | 30 | 34 | 2 | 6 | 33 | 40 | 3 | 6 | 7.8 | 948. | 592. | 35.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PAT (C) FPQ-6 | 2 | 6 | 28 | 56 | 2 | 6 | 35 | 25 | 6 | 28 | 2 | 6 | 30 | 32 | 2 | 6 | 33 | 49 | 3 | 17 | 8.1 | 951. | 582. | 35.0 |
| GBI (C) TPQ-18 | 2 | 6 | 29 | 33 | 2 | 6 | 36 | 9 | 6 | 35 | 2 | 6 | 31 | 6 | 2 | 6 | 34 | 37 | 3 | 30 | 8.8 | 912. | 561. | 35.0 |
| GBM (S) USB-30' | 2 | 6 | 29 | 34 | 2 | 6 | 36 | 9 | 6 | 35 | 2 | 6 | 31 | 7 | 2 | 6 | 34 | 37 | 3 | 29 | 8.7 | 911. | 562. | 35.0 |
| ANG (S) USB-30' | 2 | 6 | 34 | 24 | 2 | 6 | 40 | 49 | 6 | 25 | 2 | 6 | 36 | 1 | 2 | 6 | 39 | 12 | 3 | 10 | 7.8 | 853. | 589. | 35.1 |
| ASC (C) TPQ-18 | 2 | 6 | 50 | 9 | 2 | 6 | 53 | 24 | 3 | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.4 | 909. | 869. | 35.2 |
| ACN (S) USB-30' | 2 | 6 | 50 | 13 | 2 | 6 | 53 | 23 | 3 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.3 | 910. | 871. | 35.2 |
| PRE (C) MPS-25M | 2 | 6 | 59 | 58 | 2 | 7 | 7 | 14 | 7 | 16 | 2 | 7 | 1 | 17 | 2 | 7 | 5 | 55 | 4 | 37 | 12.8 | 899. | 457. | 35.4 |
| TAN (C) FPS-16M | 2 | 7 | 6 | 2 | 2 | 7 | 10 | 49 | 4 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.1 | 851. | 784. | 35.4 |
| GWM (S) USB-30' | 2 | 7 | 30 | 58 | 2 | 7 | 38 | 39 | 7 | 40 | 2 | 7 | 32 | 9 | 2 | 7 | 37 | 27 | 5 | 18 | 20.0 | 811. | 336. | 35.7 |
| HAW (C) FPS-16M | 2 | 7 | 46 | 2 | 2 | 7 | 51 | 54 | 5 | 51 | 2 | 7 | 48 | 19 | 2 | 7 | 49 | 37 | 1 | 18 | 5.6 | 819. | 677. | 35.8 |
| HAW (S) USB-30' | 2 | 7 | 46 | 2 | 2 | 7 | 51 | 54 | 5 | 51 | 2 | 7 | 48 | 19 | 2 | 7 | 49 | 37 | 1 | 18 | 5.6 | 819. | 676. | 35.8 |
| CAL (C) FPS-16 | 2 | 7 | 53 | 40 | 2 | 8 | 0 | 31 | 6 | 51 | 2 | 7 | 55 | 7 | 2 | 7 | 59 | 5 | 3 | 58 | 10.1 | 902. | 524. | 35.9 |
| GDS (S) USB-85' | 2 | 7 | 54 | 42 | 2 | 8 | 0 | 46 | 6 | 4 | 2 | 7 | 56 | 34 | 2 | 7 | 58 | 58 | 2 | 23 | 6.5 | 911. | 638. | 35.9 |
| WHS (C) FPS-16M | 2 | 7 | 57 | 28 | 2 | 8 | 2 | 48 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 880. | 717. | 35.9 |
| GYM (S) USB-30' | 2 | 7 | 56 | 4 | 2 | 8 | 3 | 34 | 7 | 29 | 2 | 7 | 57 | 18 | 2 | 8 | 2 | 21 | 5 | 3 | 16.7 | 825. | 384. | 35.9 |
| TEX (S) USB-30' | 2 | 7 | 59 | 51 | 2 | 8 | 5 | 13 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 937. | 721. | 36.0 |
| PRE (C) MPS-25M | 2 | 8 | 34 | 14 | 2 | 8 | 41 | 56 | 7 | 41 | 2 | 8 | 35 | 25 | 2 | 8 | 40 | 45 | 5 | 19 | 20.0 | 803. | 337. | 36.4 |
| TAN (C) FPS-16M | 2 | 8 | 39 | 20 | 2 | 8 | 46 | 46 | 7 | 25 | 2 | 8 | 40 | 36 | 2 | 8 | 45 | 30 | 4 | 54 | 15.2 | 826. | 407. | 36.4 |
| GWM (S) USB-30' | 2 | 9 | 7 | 44 | 2 | 9 | 10 | 51 | 3 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.2 | 931. | 884. | 36.6 |
| HAW (C) FPS-16M | 2 | 9 | 20 | 10 | 2 | 9 | 27 | 10 | 6 | 59 | 2 | 9 | 21 | 35 | 2 | 9 | 25 | 44 | 4 | 9 | 10.5 | 915. | 513. | 36.8 |
| HAW (S) USB-30' | 2 | 9 | 20 | 10 | 2 | 9 | 27 | 10 | 6 | 59 | 2 | 9 | 21 | 35 | 2 | 9 | 25 | 44 | 4 | 9 | 10.5 | 915. | 513. | 36.8 |
| RED (S) USB-30' | 2 | 9 | 24 | 1 | 2 | 9 | 29 | 9 | 5 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.8 | 926. | 753. | 36.9 |
| PRE (C) MPS-25M | 2 | 10 | 8 | 14 | 2 | 10 | 16 | 18 | 8 | 3 | 2 | 10 | 9 | 19 | 2 | 10 | 15 | 12 | 5 | 52 | 46.7 | 874. | 174. | 37.3 |
| TAN (C) FPS-16M | 2 | 10 | 13 | 13 | 2 | 10 | 21 | 3 | 7 | 49 | 2 | 10 | 14 | 21 | 2 | 10 | 19 | 54 | 5 | 33 | 27.3 | 925. | 262. | 37.4 |
| HAW (C) FPS-16M | 2 | 10 | 53 | 56 | 2 | 11 | 2 | 0 | 8 | 3 | 2 | 10 | 55 | 2 | 2 | 11 | 0 | 54 | 5 | 52 | 71.6 | 948. | 135. | 37.8 |
| HAW (S) USB-30' | 2 | 10 | 53 | 56 | 2 | 11 | 2 | 0 | 8 | 3 | 2 | 10 | 55 | 2 | 2 | 11 | 0 | 54 | 5 | 52 | 71.7 | 948. | 135. | 37.8 |
| RED (S) USB-30' | 2 | 10 | 56 | 59 | 2 | 11 | 4 | 56 | 7 | 57 | 2 | 10 | 58 | 5 | 2 | 11 | 3 | 50 | 5 | 44 | 37.1 | 732. | 207. | 37.8 |
| PRE (C) MPS-25M | 2 | 11 | 43 | 22 | 2 | 11 | 48 | 44 | 5 | 22 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 861. | 708. | 38.3 |
| HAW (C) FPS-16M | 2 | 12 | 28 | 45 | 2 | 12 | 34 | 54 | 6 | 8 | 2 | 12 | 30 | 34 | 2 | 12 | 33 | 8 | 2 | 34 | 6.8 | 915. | 620. | 38.8 |
| HAW (S) USB-30' | 2 | 12 | 28 | 45 | 2 | 12 | 34 | 54 | 6 | 8 | 2 | 12 | 30 | 34 | 2 | 12 | 33 | 8 | 2 | 34 | 6.8 | 915. | 620. | 38.8 |
| RED (S) USB-30' | 2 | 12 | 31 | 40 | 2 | 12 | 38 | 6 | 6 | 25 | 2 | 12 | 33 | 19 | 2 | 12 | 36 | 28 | 3 | 9 | 8.0 | 920. | 582. | 38.8 |
| ASC (C) TPQ-18 | 2 | 13 | 11 | 13 | 2 | 13 | 15 | 4 | 3 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 936. | 838. | 39.2 |
| ACN (S) USB-30' | 2 | 13 | 11 | 14 | 2 | 13 | 15 | 5 | 3 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 933. | 837. | 39.2 |
| GWM (S) USB-30' | 2 | 13 | 52 | 24 | 2 | 13 | 57 | 9 | 4 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.2 | 924. | 779. | 39.7 |
| MER (S) USB-30' | 2 | 14 | 10 | 25 | 2 | 14 | 14 | 7 | 3 | 42 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.8 | 930. | 842. | 39.8 |
| ASC (C) TPQ-18 | 2 | 14 | 43 | 23 | 2 | 14 | 51 | 24 | 8 | 1 | 2 | 14 | 44 | 29 | 2 | 14 | 50 | 17 | 5 | 48 | 36.5 | 853. | 208. | 40.2 |
| ACN (S) USB-30' | 2 | 14 | 43 | 24 | 2 | 14 | 51 | 25 | 8 | 0 | 2 | 14 | 44 | 30 | 2 | 14 | 50 | 18 | 5 | 48 | 36.2 | 849. | 209. | 40.2 |
| GWM (S) USB-30' | 2 | 15 | 25 | 8 | 2 | 15 | 33 | 7 | 7 | 58 | 2 | 15 | 26 | 14 | 2 | 15 | 31 | 59 | 5 | 44 | 36.8 | 914. | 208. | 40.7 |
| HTV (S) USB-30' | 2 | 15 | 33 | 47 | 2 | 15 | 41 | 20 | 7 | 32 | 2 | 15 | 35 | 0 | 2 | 15 | 40 | 6 | 5 | 6 | 17.3 | 910. | 369. | 40.7 |
| MER (S) USB-30' | 2 | 15 | 42 | 2 | 2 | 15 | 50 | 1 | 7 | 58 | 2 | 15 | 43 | 8 | 2 | 15 | 48 | 54 | 5 | 46 | 41.7 | 941. | 189. | 40.8 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| ASC (C) TPQ-18 | 2 16 18 28 | 2 16 24 13 | 5 45 | 2 16 20 42 | 2 16 22 4 | 1 21 | 5.4 | 902. | 675. | 41.2 |
| ACN (S) USB-30' | 2 16 18 30 | 2 16 24 14 | 5 44 | 2 16 20 45 | 2 16 22 2 | 1 17 | 5.3 | 900. | 677. | 41.2 |
| GWM (S) USB-30' | 2 16 59 56 | 2 17 6 12 | 6 15 | 2 17 1 39 | 2 17 4 28 | 2 49 | 7.3 | 943. | 605. | 41.6 |
| HTV (S) USB-30' | 2 17 7 59 | 2 17 15 9 | 7 9 | 2 17 9 18 | 2 17 13 49 | 4 31 | 12.3 | 911. | 464. | 41.7 |
| MER (S) USB-30' | 2 17 16 27 | 2 17 23 54 | 7 27 | 2 17 17 42 | 2 17 22 39 | 4 56 | 15.3 | 849. | 408. | 41.8 |
| CYI (C) MPS26 | 2 17 56 37 | 2 18 3 34 | 6 57 | 2 17 58 1 | 2 18 2 10 | 4 9 | 10.9 | 882. | 501. | 42.2 |
| CYI (S) USB-30' | 2 17 56 37 | 2 18 3 34 | 6 57 | 2 17 58 1 | 2 18 2 10 | 4 9 | 10.9 | 882. | 502. | 42.2 |
| MAD (S) USB-85' | 2 18 2 44 | 2 18 5 0 | 2 16 | 0 0 0 0 | 0 0 0 0 | 0 0 | .7 | 949. | 913. | 42.3 |
| MER (S) USB-30' | 2 18 51 48 | 2 18 57 46 | 5 58 | 2 18 53 50 | 2 18 55 40 | 1 49 | 5.9 | 929. | 665. | 42.8 |
| ANG (S) USB-30' | 2 19 19 59 | 2 19 25 48 | 5 48 | 2 19 22 4 | 2 19 23 38 | 1 33 | 5.7 | 821. | 663. | 43.1 |
| VAN (S) USB-30' | 2 19 27 5 | 2 19 29 50 | 2 44 | 0 0 0 0 | 0 0 0 0 | 0 0 | .9 | 900. | 899. | 43.1 |
| CYI (C) MPS26 | 2 19 29 55 | 2 19 38 1 | 8 6 | 2 19 31 0 | 2 19 36 55 | 5 54 | 78.6 | 943. | 132. | 43.2 |
| CYI (S) USB-30' | 2 19 29 55 | 2 19 38 1 | 8 6 | 2 19 31 0 | 2 19 36 55 | 5 54 | 78.6 | 943. | 132. | 43.2 |
| MAD (S) USB-85' | 2 19 33 59 | 2 19 40 31 | 6 32 | 2 19 35 33 | 2 19 38 57 | 3 24 | 8.3 | 858. | 579. | 43.3 |
| CRO (C) FPQ-6 | 2 20 8 3 | 2 20 12 0 | 3 56 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.1 | 942. | 827. | 43.6 |
| CRO (S) USB-30' | 2 20 8 4 | 2 20 12 0 | 3 56 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.1 | 942. | 827. | 43.6 |
| HSK (S) USB-85' | 2 20 14 56 | 2 20 21 49 | 6 52 | 2 20 16 20 | 2 20 20 24 | 4 4 | 10.2 | 943. | 518. | 43.7 |
| MER (S) USB-30' | 2 20 26 24 | 2 20 32 42 | 6 17 | 2 20 28 12 | 2 20 30 57 | 2 45 | 6.9 | 863. | 628. | 43.8 |
| GBI (C) TPQ-18 | 2 20 53 57 | 2 20 55 20 | 1 22 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 946. | 933. | 44.0 |
| GBM (S) USB-30' | 2 20 53 56 | 2 20 55 22 | 1 25 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 945. | 931. | 44.0 |
| BDA (C) FPS-16M | 2 20 56 12 | 2 21 0 12 | 4 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 924. | 827. | 44.1 |
| BDQ (C) FPQ-6 | 2 20 56 12 | 2 21 0 12 | 4 0 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 924. | 827. | 44.1 |
| BDA (S) USB-30' | 2 20 56 12 | 2 21 0 12 | 3 59 | 0 0 0 0 | 0 0 0 0 | 0 0 | 2.2 | 924. | 828. | 44.1 |
| ANG (S) USB-30' | 2 20 52 44 | 2 21 0 49 | 8 4 | 2 20 53 50 | 2 20 59 43 | 5 53 | 55.9 | 900. | 154. | 44.1 |
| VAN (S) USB-30' | 2 20 58 15 | 2 21 5 50 | 7 35 | 2 20 59 27 | 2 21 4 38 | 5 11 | 18.1 | 805. | 363. | 44.2 |
| CYI (C) MPS26 | 2 21 4 19 | 2 21 12 6 | 7 47 | 2 21 5 29 | 2 21 10 54 | 5 25 | 21.1 | 928. | 327. | 44.2 |
| CYI (S) USB-30' | 2 21 4 19 | 2 21 12 6 | 7 47 | 2 21 5 29 | 2 21 10 54 | 5 25 | 21.1 | 928. | 327. | 44.2 |
| MAD (S) USB-85' | 2 21 7 15 | 2 21 14 24 | 7 8 | 2 21 8 36 | 2 21 13 3 | 4 27 | 12.2 | 870. | 473. | 44.3 |
| CRO (C) FPQ-6 | 2 21 39 47 | 2 21 47 45 | 7 57 | 2 21 40 55 | 2 21 46 38 | 5 43 | 35.1 | 910. | 216. | 44.6 |
| CRO (S) USB-30' | 2 21 39 47 | 2 21 47 45 | 7 57 | 2 21 40 55 | 2 21 46 39 | 5 43 | 35.1 | 911. | 216. | 44.6 |
| HSK (S) USB-85' | 2 21 48 10 | 2 21 56 5 | 7 55 | 2 21 49 17 | 2 21 54 56 | 5 39 | 30.1 | 929. | 245. | 44.7 |
| MER (S) USB-30' | 2 22 0 8 | 2 22 7 56 | 7 48 | 2 22 1 17 | 2 22 6 48 | 5 30 | 23.9 | 779. | 294. | 44.8 |
| TEX (S) USB-30' | 2 22 23 4 | 2 22 26 16 | 3 12 | 0 0 0 0 | 0 0 0 0 | 0 0 | 1.3 | 920. | 872. | 45.0 |
| MIL (S) USB-30' | 2 22 24 31 | 2 22 31 42 | 7 11 | 2 22 25 51 | 2 22 30 23 | 4 32 | 12.8 | 863. | 457. | 45.1 |
| PAT (C) FPQ-6 | 2 22 24 23 | 2 22 31 44 | 7 15 | 2 22 25 46 | 2 22 30 26 | 4 40 | 13.6 | 851. | 440. | 45.1 |
| GBI (C) TPQ-18 | 2 22 24 30 | 2 22 32 16 | 7 45 | 2 22 25 40 | 2 22 31 5 | 5 24 | 21.4 | 893. | 319. | 45.1 |
| GBM (S) USB-30' | 2 22 24 30 | 2 22 32 16 | 7 46 | 2 22 25 40 | 2 22 31 5 | 5 25 | 21.5 | 891. | 319. | 45.1 |
| ANG (S) USB-30' | 2 22 28 2 | 2 22 34 7 | 6 4 | 2 22 29 55 | 2 22 32 11 | 2 16 | 6.3 | 928. | 646. | 45.1 |
| BDA (C) FPS-16M | 2 22 27 58 | 2 22 35 40 | 7 42 | 2 22 29 8 | 2 22 34 30 | 5 21 | 20.8 | 808. | 328. | 45.1 |
| BDQ (C) FPQ-6 | 2 22 27 58 | 2 22 35 40 | 7 42 | 2 22 29 8 | 2 22 34 30 | 5 21 | 20.8 | 808. | 328. | 45.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BDA (S) USB-30' | 2 | 22 | 27 | 58 | 2 | 22 | 35 | 40 | 7 | 42 | 2 | 22 | 29 | 8 | 2 | 22 | 34 | 30 | 5 | 21 | 20.8 | 808. | 328. | 45.1 |
| VAN (S) USB-30' | 2 | 22 | 31 | 54 | 2 | 22 | 40 | 2 | 8 | 8 | 2 | 22 | 33 | 0 | 2 | 22 | 38 | 56 | 5 | 55 | 85.7 | 944. | 131. | 45.2 |
| CYI (C) MPS26 | 2 | 22 | 38 | 41 | 2 | 22 | 46 | 33 | 7 | 51 | 2 | 22 | 39 | 53 | 2 | 22 | 45 | 23 | 5 | 29 | 22.3 | 902. | 312. | 45.2 |
| CYI (S) USB-30' | 2 | 22 | 38 | 41 | 2 | 22 | 46 | 33 | 7 | 51 | 2 | 22 | 39 | 53 | 2 | 22 | 45 | 23 | 5 | 29 | 22.3 | 902. | 312. | 45.2 |
| MAD (S) USB-85' | 2 | 22 | 41 | 15 | 2 | 22 | 47 | 32 | 6 | 17 | 2 | 22 | 42 | 57 | 2 | 22 | 45 | 50 | 2 | 52 | 7.1 | 854. | 621. | 45.2 |
| CRO (C) FPQ-6 | 2 | 23 | 14 | 1 | 2 | 23 | 21 | 45 | 7 | 44 | 2 | 23 | 15 | 11 | 2 | 23 | 20 | 35 | 5 | 24 | 21.2 | 787. | 323. | 45.6 |
| CRO (S) USB-30' | 2 | 23 | 14 | 1 | 2 | 23 | 21 | 46 | 7 | 44 | 2 | 23 | 15 | 11 | 2 | 23 | 20 | 35 | 5 | 24 | 21.2 | 787. | 323. | 45.6 |
| HSK (S) USB-85' | 2 | 23 | 22 | 3 | 2 | 23 | 30 | 0 | 7 | 57 | 2 | 23 | 23 | 10 | 2 | 23 | 28 | 53 | 5 | 43 | 34.6 | 943. | 220. | 45.7 |
| MER (S) USB-30' | 2 | 23 | 34 | 15 | 2 | 23 | 41 | 52 | 7 | 36 | 2 | 23 | 35 | 27 | 2 | 23 | 40 | 41 | 5 | 14 | 19.5 | 806. | 341. | 45.8 |
| GYM (S) USB-30' | 2 | 23 | 52 | 33 | 2 | 23 | 58 | 47 | 6 | 13 | 2 | 23 | 54 | 19 | 2 | 23 | 57 | 3 | 2 | 44 | 7.0 | 879. | 619. | 46.0 |
| WHS (C) FPS-16M | 2 | 23 | 54 | 30 | 2 | 23 | 59 | 43 | 5 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.2 | 881. | 728. | 46.0 |
| TEX (S) USB-30' | 2 | 23 | 54 | 25 | 3 | 0 | 2 | 17 | 7 | 51 | 2 | 23 | 55 | 34 | 3 | 0 | 1 | 7 | 5 | 32 | 24.4 | 890. | 289. | 46.0 |
| MIL (S) USB-30' | 2 | 23 | 57 | 57 | 3 | 0 | 6 | 4 | 8 | 6 | 2 | 23 | 59 | 2 | 3 | 0 | 4 | 57 | 5 | 54 | 73.0 | 952. | 136. | 46.1 |
| PAT (C) FPQ-6 | 2 | 23 | 57 | 58 | 3 | 0 | 6 | 4 | 8 | 6 | 2 | 23 | 59 | 3 | 3 | 0 | 4 | 57 | 5 | 54 | 66.0 | 935. | 142. | 46.1 |
| GBI (C) TPQ-18 | 2 | 23 | 58 | 24 | 3 | 0 | 6 | 26 | 8 | 1 | 2 | 23 | 59 | 31 | 3 | 0 | 5 | 18 | 5 | 46 | 29.8 | 859. | 248. | 46.1 |
| GBM (S) USB-30' | 2 | 23 | 58 | 24 | 3 | 0 | 6 | 26 | 8 | 1 | 2 | 23 | 59 | 31 | 3 | 0 | 5 | 18 | 5 | 46 | 29.7 | 858. | 250. | 46.1 |
| ANG (S) USB-30' | 3 | 0 | 5 | 41 | 3 | 0 | 6 | 13 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 948. | 948. | 46.1 |
| BDA (C) FPS-16M | 3 | 0 | 1 | 40 | 3 | 0 | 9 | 50 | 8 | 9 | 3 | 0 | 2 | 46 | 3 | 0 | 8 | 45 | 5 | 58 | 68.8 | 894. | 140. | 46.1 |
| BDQ (C) FPQ-6 | 3 | 0 | 1 | 40 | 3 | 0 | 9 | 50 | 8 | 9 | 3 | 0 | 2 | 46 | 3 | 0 | 8 | 45 | 5 | 58 | 68.8 | 894. | 140. | 46.1 |
| BDA (S) USB-30' | 3 | 0 | 1 | 40 | 3 | 0 | 9 | 50 | 8 | 9 | 3 | 0 | 2 | 46 | 3 | 0 | 8 | 45 | 5 | 58 | 68.7 | 894. | 140. | 46.1 |
| VAN (S) USB-30' | 3 | 0 | 6 | 1 | 3 | 0 | 14 | 10 | 8 | 8 | 3 | 0 | 7 | 7 | 3 | 0 | 13 | 4 | 5 | 57 | 64.6 | 912. | 144. | 46.2 |
| CYI (C) MPS26 | 3 | 0 | 12 | 45 | 3 | 0 | 20 | 52 | 8 | 7 | 3 | 0 | 13 | 52 | 3 | 0 | 19 | 47 | 5 | 55 | 69.5 | 912. | 138. | 46.2 |
| CYI (S) USB-30' | 3 | 0 | 12 | 45 | 3 | 0 | 20 | 52 | 8 | 7 | 3 | 0 | 13 | 52 | 3 | 0 | 19 | 47 | 5 | 55 | 69.5 | 912. | 138. | 46.2 |
| TAN (C) FPS-16M | 3 | 0 | 33 | 18 | 3 | 0 | 40 | 19 | 7 | 1 | 3 | 0 | 34 | 39 | 3 | 0 | 38 | 56 | 4 | 17 | 11.6 | 880. | 478. | 46.4 |
| CRO (C) FPQ-6 | 3 | 0 | 48 | 52 | 3 | 0 | 55 | 52 | 6 | 59 | 3 | 0 | 50 | 17 | 3 | 0 | 54 | 27 | 4 | 10 | 10.4 | 939. | 518. | 46.6 |
| CRO (S) USB-30' | 3 | 0 | 48 | 52 | 3 | 0 | 55 | 52 | 6 | 59 | 3 | 0 | 50 | 17 | 3 | 0 | 54 | 28 | 4 | 10 | 10.4 | 939. | 517. | 46.6 |
| HSK (S) USB-85' | 3 | 0 | 56 | 12 | 3 | 1 | 3 | 28 | 7 | 16 | 3 | 0 | 57 | 29 | 3 | 1 | 2 | 11 | 4 | 42 | 13.8 | 848. | 435. | 46.7 |
| HTV (S) USB-30' | 3 | 1 | 4 | 46 | 3 | 1 | 10 | 18 | 5 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.7 | 919. | 707. | 46.7 |
| RED (S) USB-30' | 3 | 1 | 16 | 0 | 3 | 1 | 23 | 3 | 7 | 3 | 3 | 1 | 17 | 20 | 3 | 1 | 21 | 43 | 4 | 23 | 11.6 | 931. | 481. | 46.9 |
| CAL (C) FPS-16 | 3 | 1 | 25 | 8 | 3 | 1 | 31 | 9 | 6 | 0 | 3 | 1 | 27 | 1 | 3 | 1 | 29 | 13 | 2 | 12 | 6.3 | 924. | 646. | 46.9 |
| GDS (S) USB-85' | 3 | 1 | 25 | 49 | 3 | 1 | 32 | 5 | 6 | 16 | 3 | 1 | 27 | 32 | 3 | 1 | 30 | 21 | 2 | 49 | 7.3 | 934. | 610. | 47.0 |
| GYM (S) USB-30' | 3 | 1 | 25 | 24 | 3 | 1 | 33 | 33 | 8 | 8 | 3 | 1 | 26 | 29 | 3 | 1 | 32 | 27 | 5 | 57 | 43.8 | 830. | 184. | 47.0 |
| WHS (C) FPS-16M | 3 | 1 | 26 | 52 | 3 | 1 | 34 | 43 | 7 | 51 | 3 | 1 | 28 | 0 | 3 | 1 | 33 | 35 | 5 | 34 | 26.7 | 930. | 270. | 47.0 |
| TEX (S) USB-30' | 3 | 1 | 28 | 22 | 3 | 1 | 36 | 25 | 8 | 2 | 3 | 1 | 29 | 29 | 3 | 1 | 35 | 17 | 5 | 48 | 31.1 | 861. | 241. | 47.0 |
| MIL (S) USB-30' | 3 | 1 | 32 | 19 | 3 | 1 | 40 | 11 | 7 | 52 | 3 | 1 | 33 | 28 | 3 | 1 | 39 | 0 | 5 | 31 | 23.3 | 911. | 302. | 47.1 |
| PAT (C) FPQ-6 | 3 | 1 | 32 | 21 | 3 | 1 | 40 | 11 | 7 | 50 | 3 | 1 | 33 | 31 | 3 | 1 | 38 | 59 | 5 | 27 | 21.8 | 912. | 319. | 47.1 |
| GBI (C) TPQ-18 | 3 | 1 | 33 | 3 | 3 | 1 | 40 | 33 | 7 | 30 | 3 | 1 | 34 | 18 | 3 | 1 | 39 | 17 | 4 | 59 | 15.4 | 840. | 409. | 47.1 |
| GBM (S) USB-30' | 3 | 1 | 33 | 3 | 3 | 1 | 40 | 33 | 7 | 30 | 3 | 1 | 34 | 18 | 3 | 1 | 39 | 17 | 4 | 59 | 15.4 | 839. | 409. | 47.1 |
| ANG (S) USB-30' | 3 | 1 | 40 | 14 | 3 | 1 | 41 | 58 | 1 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .4 | 954. | 932. | 47.1 |
| BDA (C) FPS-16M | 3 | 1 | 35 | 47 | 3 | 1 | 43 | 56 | 8 | 8 | 3 | 1 | 36 | 54 | 3 | 1 | 42 | 51 | 5 | 56 | 77.9 | 921. | 133. | 47.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| BDQ (C) FPQ-6 | 3 | 1 | 35 | 47 | 3 | 1 | 43 | 56 | 8 | 8 | 3 | 1 | 36 | 54 | 3 | 1 | 42 | 51 | 5 | 56 | 77.9 | 921. | 133. | 47.1 |
| BDA (S) USB-30' | 3 | 1 | 35 | 47 | 3 | 1 | 43 | 56 | 8 | 8 | 3 | 1 | 36 | 54 | 3 | 1 | 42 | 51 | 5 | 56 | 77.8 | 921. | 133. | 47.1 |
| VAN (S) USB-30' | 3 | 1 | 40 | 7 | 3 | 1 | 48 | 8 | 8 | 0 | 3 | 1 | 41 | 14 | 3 | 1 | 47 | 0 | 5 | 45 | 35.7 | 917. | 216. | 47.1 |
| CYI (C) MPS26 | 3 | 1 | 47 | 25 | 3 | 1 | 53 | 50 | 6 | 24 | 3 | 1 | 49 | 3 | 3 | 1 | 52 | 13 | 3 | 9 | 7.7 | 860. | 592. | 47.2 |
| CYI (S) USB-30' | 3 | 1 | 47 | 25 | 3 | 1 | 53 | 50 | 6 | 24 | 3 | 1 | 49 | 3 | 3 | 1 | 52 | 13 | 3 | 9 | 7.7 | 860. | 593. | 47.2 |
| PRE (C) MPS-25M | 3 | 2 | 4 | 58 | 3 | 2 | 10 | 23 | 5 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 884. | 707. | 47.4 |
| TAN (C) FPS-16M | 3 | 2 | 6 | 49 | 3 | 2 | 14 | 42 | 7 | 53 | 3 | 2 | 7 | 58 | 3 | 2 | 13 | 35 | 5 | 37 | 29.6 | 915. | 246. | 47.4 |
| CRO (C) FPQ-6 | 3 | 2 | 23 | 11 | 3 | 2 | 30 | 40 | 7 | 28 | 3 | 2 | 24 | 27 | 3 | 2 | 29 | 25 | 4 | 57 | 15.5 | 812. | 406. | 47.6 |
| CRO (S) USB-30' | 3 | 2 | 23 | 11 | 3 | 2 | 30 | 40 | 7 | 28 | 3 | 2 | 24 | 27 | 3 | 2 | 29 | 25 | 4 | 58 | 15.5 | 811. | 406. | 47.6 |
| HSK (S) USB-85' | 3 | 2 | 31 | 57 | 3 | 2 | 34 | 42 | 2 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .9 | 947. | 894. | 47.6 |
| HTV (S) USB-30' | 3 | 2 | 37 | 38 | 3 | 2 | 45 | 42 | 8 | 3 | 3 | 2 | 38 | 44 | 3 | 2 | 44 | 37 | 5 | 53 | 55.8 | 877. | 153. | 47.7 |
| HAW (C) FPS-16M | 3 | 2 | 48 | 42 | 3 | 2 | 56 | 0 | 7 | 18 | 3 | 2 | 49 | 59 | 3 | 2 | 54 | 45 | 4 | 45 | 14.2 | 941. | 425. | 47.8 |
| HAW (S) USB-30' | 3 | 2 | 48 | 42 | 3 | 2 | 56 | 0 | 7 | 18 | 3 | 2 | 49 | 59 | 3 | 2 | 54 | 45 | 4 | 45 | 14.1 | 941. | 425. | 47.8 |
| RED (S) USB-30' | 3 | 2 | 49 | 35 | 3 | 2 | 57 | 24 | 7 | 48 | 3 | 2 | 50 | 45 | 3 | 2 | 56 | 14 | 5 | 28 | 22.0 | 871. | 312. | 47.8 |
| CAL (C) FPS-16 | 3 | 2 | 57 | 54 | 3 | 3 | 5 | 46 | 7 | 51 | 3 | 2 | 59 | 3 | 3 | 3 | 4 | 37 | 5 | 34 | 26.3 | 941. | 274. | 47.9 |
| GDS (S) USB-85' | 3 | 2 | 58 | 42 | 3 | 3 | 6 | 34 | 7 | 51 | 3 | 2 | 59 | 52 | 3 | 3 | 5 | 26 | 5 | 33 | 24.9 | 901. | 286. | 48.0 |
| GYM (S) USB-30' | 3 | 2 | 59 | 42 | 3 | 3 | 7 | 36 | 7 | 53 | 3 | 3 | 0 | 53 | 3 | 3 | 6 | 27 | 5 | 33 | 23.9 | 904. | 296. | 48.0 |
| WHS (C) FPS-16M | 3 | 3 | 0 | 42 | 3 | 3 | 8 | 50 | 8 | 8 | 3 | 3 | 1 | 48 | 3 | 3 | 7 | 45 | 5 | 57 | 69.1 | 898. | 139. | 48.0 |
| TEX (S) USB-30' | 3 | 3 | 2 | 55 | 3 | 3 | 10 | 36 | 7 | 41 | 3 | 3 | 4 | 7 | 3 | 3 | 9 | 24 | 5 | 17 | 18.8 | 948. | 356. | 48.0 |
| MIL (S) USB-30' | 3 | 3 | 6 | 35 | 3 | 3 | 14 | 36 | 8 | 0 | 3 | 3 | 7 | 44 | 3 | 3 | 13 | 28 | 5 | 44 | 29.2 | 880. | 253. | 48.1 |
| PAT (C) FPQ-6 | 3 | 3 | 6 | 38 | 3 | 3 | 14 | 37 | 7 | 58 | 3 | 3 | 7 | 48 | 3 | 3 | 13 | 29 | 5 | 41 | 27.8 | 891. | 263. | 48.1 |
| GBI (C) TPQ-18 | 3 | 3 | 7 | 20 | 3 | 3 | 15 | 8 | 7 | 48 | 3 | 3 | 8 | 30 | 3 | 3 | 13 | 56 | 5 | 25 | 21.4 | 919. | 323. | 48.1 |
| GBM (S) USB-30' | 3 | 3 | 7 | 20 | 3 | 3 | 15 | 9 | 7 | 48 | 3 | 3 | 8 | 31 | 3 | 3 | 13 | 57 | 5 | 25 | 21.4 | 917. | 323. | 48.1 |
| BDA (C) FPS-16M | 3 | 3 | 9 | 55 | 3 | 3 | 17 | 47 | 7 | 51 | 3 | 3 | 11 | 4 | 3 | 3 | 16 | 39 | 5 | 35 | 26.7 | 950. | 271. | 48.1 |
| BDQ (C) FPQ-6 | 3 | 3 | 9 | 55 | 3 | 3 | 17 | 47 | 7 | 51 | 3 | 3 | 11 | 4 | 3 | 3 | 16 | 39 | 5 | 35 | 26.7 | 950. | 271. | 48.1 |
| BDA (S) USB-30' | 3 | 3 | 9 | 55 | 3 | 3 | 17 | 47 | 7 | 51 | 3 | 3 | 11 | 4 | 3 | 3 | 16 | 39 | 5 | 35 | 26.7 | 950. | 271. | 48.1 |
| ANG (S) USB-30' | 3 | 3 | 12 | 39 | 3 | 3 | 19 | 3 | 6 | 24 | 3 | 3 | 14 | 22 | 3 | 3 | 17 | 22 | 3 | 0 | 7.6 | 934. | 602. | 48.1 |
| VAN (S) USB-30' | 3 | 3 | 14 | 50 | 3 | 3 | 20 | 53 | 6 | 2 | 3 | 3 | 16 | 43 | 3 | 3 | 19 | 3 | 2 | 19 | 6.5 | 934. | 640. | 48.1 |
| ASC (C) TPQ-18 | 3 | 3 | 26 | 24 | 3 | 3 | 33 | 28 | 7 | 3 | 3 | 3 | 27 | 46 | 3 | 3 | 32 | 7 | 4 | 20 | 11.9 | 848. | 472. | 48.2 |
| ACN (S) USB-30' | 3 | 3 | 26 | 25 | 3 | 3 | 33 | 29 | 7 | 4 | 3 | 3 | 27 | 46 | 3 | 3 | 32 | 8 | 4 | 22 | 12.0 | 844. | 469. | 48.2 |
| PRE (C) MPS-25M | 3 | 3 | 37 | 25 | 3 | 3 | 45 | 29 | 8 | 3 | 3 | 3 | 38 | 30 | 3 | 3 | 44 | 23 | 5 | 53 | 41.1 | 838. | 190. | 48.4 |
| TAN (C) FPS-16M | 3 | 3 | 42 | 19 | 3 | 3 | 48 | 3 | 5 | 44 | 3 | 3 | 44 | 44 | 3 | 3 | 45 | 31 | 0 | 47 | 5.3 | 936. | 684. | 48.4 |
| CRO (C) FPQ-6 | 3 | 3 | 57 | 7 | 3 | 4 | 5 | 14 | 8 | 6 | 3 | 3 | 58 | 12 | 3 | 4 | 4 | 8 | 5 | 55 | 67.5 | 892. | 139. | 48.6 |
| CRO (S) USB-30' | 3 | 3 | 57 | 7 | 3 | 4 | 5 | 14 | 8 | 6 | 3 | 3 | 58 | 12 | 3 | 4 | 4 | 8 | 5 | 55 | 67.4 | 892. | 139. | 48.6 |
| HTV (S) USB-30' | 3 | 4 | 13 | 52 | 3 | 4 | 17 | 22 | 3 | 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 935. | 854. | 48.7 |
| HAW (C) FPS-16M | 3 | 4 | 22 | 21 | 3 | 4 | 30 | 18 | 7 | 56 | 3 | 4 | 23 | 29 | 3 | 4 | 29 | 9 | 5 | 40 | 28.6 | 882. | 254. | 48.8 |
| HAW (S) USB-30' | 3 | 4 | 22 | 21 | 3 | 4 | 30 | 18 | 7 | 56 | 3 | 4 | 23 | 29 | 3 | 4 | 29 | 9 | 5 | 40 | 28.6 | 882. | 254. | 48.8 |
| RED (S) USB-30' | 3 | 4 | 25 | 48 | 3 | 4 | 30 | 6 | 4 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 936. | 814. | 48.8 |
| CAL (C) FPS-16 | 3 | 4 | 31 | 42 | 3 | 4 | 39 | 48 | 8 | 6 | 3 | 4 | 32 | 49 | 3 | 4 | 38 | 43 | 5 | 54 | 49.9 | 901. | 168. | 48.9 |
| GDS (S) USB-85' | 3 | 4 | 32 | 30 | 3 | 4 | 40 | 34 | 8 | 3 | 3 | 4 | 33 | 37 | 3 | 4 | 39 | 28 | 5 | 51 | 35.4 | 859. | 217. | 49.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GYM (S) USB-30' | 3 | 4 | 34 | 7 | 3 | 4 | 41 | 55 | 7 | 48 | 3 | 4 | 35 | 17 | 3 | 4 | 40 | 46 | 5 | 28 | 22.2 | 781. | 314. | 49.0 |
| WHS (C) FPS-16M | 3 | 4 | 34 | 49 | 3 | 4 | 42 | 56 | 8 | 7 | 3 | 4 | 35 | 55 | 3 | 4 | 41 | 51 | 5 | 55 | 80.9 | 924. | 131. | 49.0 |
| TEX (S) USB-30' | 3 | 4 | 37 | 6 | 3 | 4 | 45 | 6 | 8 | 0 | 3 | 4 | 38 | 13 | 3 | 4 | 43 | 57 | 5 | 44 | 33.2 | 923. | 229. | 49.0 |
| MIL (S) USB-30' | 3 | 4 | 40 | 41 | 3 | 4 | 48 | 43 | 8 | 2 | 3 | 4 | 41 | 48 | 3 | 4 | 47 | 37 | 5 | 49 | 38.8 | 898. | 201. | 49.0 |
| PAT (C) FPQ-6 | 3 | 4 | 40 | 43 | 3 | 4 | 48 | 46 | 8 | 2 | 3 | 4 | 41 | 51 | 3 | 4 | 47 | 41 | 5 | 50 | 42.3 | 907. | 189. | 49.0 |
| GBI (C) TPQ-18 | 3 | 4 | 41 | 21 | 3 | 4 | 49 | 27 | 8 | 6 | 3 | 4 | 42 | 27 | 3 | 4 | 48 | 22 | 5 | 55 | 41.7 | 842. | 190. | 49.1 |
| GBM (S) USB-30' | 3 | 4 | 41 | 21 | 3 | 4 | 49 | 28 | 8 | 6 | 3 | 4 | 42 | 27 | 3 | 4 | 48 | 22 | 5 | 55 | 41.4 | 841. | 191. | 49.1 |
| BDA (C) FPS-16M | 3 | 4 | 44 | 55 | 3 | 4 | 50 | 6 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 947. | 741. | 49.1 |
| BDQ (C) FPQ-6 | 3 | 4 | 44 | 55 | 3 | 4 | 50 | 6 | 5 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 947. | 741. | 49.1 |
| BDA (S) USB-30' | 3 | 4 | 44 | 55 | 3 | 4 | 50 | 6 | 5 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 947. | 741. | 49.1 |
| ANG (S) USB-30' | 3 | 4 | 46 | 4 | 3 | 4 | 54 | 9 | 8 | 4 | 3 | 4 | 47 | 9 | 3 | 4 | 53 | 2 | 5 | 53 | 73.5 | 907. | 134. | 49.1 |
| ASC (C) TPQ-18 | 3 | 5 | 0 | 7 | 3 | 5 | 7 | 43 | 7 | 36 | 3 | 5 | 1 | 18 | 3 | 5 | 6 | 32 | 5 | 13 | 19.2 | 789. | 344. | 49.2 |
| ACN (S) USB-30' | 3 | 5 | 0 | 8 | 3 | 5 | 7 | 44 | 7 | 35 | 3 | 5 | 1 | 20 | 3 | 5 | 6 | 32 | 5 | 12 | 18.9 | 788. | 347. | 49.2 |
| PRE (C) MPS-25M | 3 | 5 | 11 | 47 | 3 | 5 | 19 | 28 | 7 | 41 | 3 | 5 | 12 | 59 | 3 | 5 | 18 | 16 | 5 | 16 | 19.2 | 914. | 346. | 49.4 |
| TAN (C) FPS-16M | 3 | 5 | 18 | 22 | 3 | 5 | 21 | 48 | 3 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.5 | 899. | 863. | 49.4 |
| CRO (C) FPQ-6 | 3 | 5 | 31 | 55 | 3 | 5 | 38 | 4 | 6 | 8 | 3 | 5 | 33 | 42 | 3 | 5 | 36 | 17 | 2 | 34 | 6.9 | 945. | 621. | 49.6 |
| CRO (S) USB-30' | 3 | 5 | 31 | 56 | 3 | 5 | 38 | 4 | 6 | 8 | 3 | 5 | 33 | 43 | 3 | 5 | 36 | 17 | 2 | 33 | 6.9 | 945. | 622. | 49.6 |
| GWM (S) USB-30' | 3 | 5 | 43 | 18 | 3 | 5 | 51 | 2 | 7 | 44 | 3 | 5 | 44 | 27 | 3 | 5 | 49 | 52 | 5 | 25 | 23.3 | 933. | 297. | 49.7 |
| HAW (C) FPS-16M | 3 | 5 | 57 | 31 | 3 | 6 | 4 | 1 | 6 | 30 | 3 | 5 | 59 | 10 | 3 | 6 | 2 | 22 | 3 | 11 | 7.9 | 945. | 592. | 49.8 |
| HAW (S) USB-30' | 3 | 5 | 57 | 31 | 3 | 6 | 4 | 1 | 6 | 30 | 3 | 5 | 59 | 10 | 3 | 6 | 2 | 22 | 3 | 12 | 7.9 | 945. | 592. | 49.8 |
| CAL (C) FPS-16 | 3 | 6 | 5 | 44 | 3 | 6 | 13 | 39 | 7 | 54 | 3 | 6 | 6 | 54 | 3 | 6 | 12 | 31 | 5 | 37 | 27.5 | 911. | 265. | 49.9 |
| GDS (S) USB-85' | 3 | 6 | 6 | 34 | 3 | 6 | 14 | 14 | 7 | 40 | 3 | 6 | 7 | 46 | 3 | 6 | 13 | 2 | 5 | 15 | 18.7 | 895. | 355. | 49.9 |
| GYM (S) USB-30' | 3 | 6 | 8 | 12 | 3 | 6 | 16 | 21 | 8 | 9 | 3 | 6 | 9 | 17 | 3 | 6 | 15 | 15 | 5 | 58 | 58.0 | 869. | 152. | 50.0 |
| WHS (C) FPS-16M | 3 | 6 | 8 | 59 | 3 | 6 | 16 | 39 | 7 | 39 | 3 | 6 | 10 | 10 | 3 | 6 | 15 | 28 | 5 | 18 | 20.3 | 805. | 333. | 50.0 |
| TEX (S) USB-30' | 3 | 6 | 11 | 13 | 3 | 6 | 19 | 5 | 7 | 52 | 3 | 6 | 12 | 21 | 3 | 6 | 17 | 56 | 5 | 35 | 27.1 | 923. | 267. | 50.0 |
| MIL (S) USB-30' | 3 | 6 | 15 | 45 | 3 | 6 | 21 | 6 | 5 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.3 | 924. | 726. | 50.0 |
| PAT (C) FPQ-6 | 3 | 6 | 15 | 46 | 3 | 6 | 21 | 13 | 5 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 921. | 713. | 50.0 |
| GBI (C) TPQ-18 | 3 | 6 | 16 | 23 | 3 | 6 | 21 | 58 | 5 | 34 | 3 | 6 | 18 | 56 | 3 | 6 | 19 | 2 | 0 | 6 | 5.0 | 944. | 693. | 50.0 |
| GBM (S) USB-30' | 3 | 6 | 16 | 24 | 3 | 6 | 21 | 58 | 5 | 34 | 3 | 6 | 18 | 56 | 3 | 6 | 19 | 0 | 0 | 3 | 5.0 | 943. | 694. | 50.0 |
| ANG (S) USB-30' | 3 | 6 | 21 | 25 | 3 | 6 | 26 | 30 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.0 | 873. | 737. | 50.1 |
| PRE (C) MPS-25M | 3 | 6 | 46 | 27 | 3 | 6 | 53 | 44 | 7 | 16 | 3 | 6 | 47 | 47 | 3 | 6 | 52 | 25 | 4 | 38 | 13.1 | 855. | 451. | 50.4 |
| TAN (C) FPS-16M | 3 | 6 | 52 | 18 | 3 | 6 | 57 | 40 | 5 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.4 | 860. | 722. | 50.4 |
| GWM (S) USB-30' | 3 | 7 | 17 | 38 | 3 | 7 | 24 | 50 | 7 | 11 | 3 | 7 | 18 | 58 | 3 | 7 | 23 | 30 | 4 | 31 | 12.5 | 885. | 461. | 50.7 |
| HAW (C) FPS-16M | 3 | 7 | 32 | 32 | 3 | 7 | 38 | 28 | 5 | 55 | 3 | 7 | 34 | 40 | 3 | 7 | 36 | 20 | 1 | 39 | 5.6 | 888. | 675. | 50.8 |
| HAW (S) USB-30' | 3 | 7 | 32 | 32 | 3 | 7 | 38 | 28 | 5 | 55 | 3 | 7 | 34 | 40 | 3 | 7 | 36 | 20 | 1 | 39 | 5.6 | 888. | 675. | 50.8 |
| CAL (C) FPS-16 | 3 | 7 | 40 | 16 | 3 | 7 | 46 | 30 | 6 | 14 | 3 | 7 | 41 | 59 | 3 | 7 | 44 | 46 | 2 | 46 | 6.9 | 856. | 623. | 50.9 |
| GDS (S) USB-85' | 3 | 7 | 41 | 26 | 3 | 7 | 46 | 35 | 5 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.1 | 879. | 735. | 50.9 |
| WHS (C) FPS-16M | 3 | 7 | 44 | 31 | 3 | 7 | 48 | 19 | 3 | 47 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.9 | 906. | 841. | 50.9 |
| GYM (S) USB-30' | 3 | 7 | 42 | 39 | 3 | 7 | 49 | 38 | 6 | 58 | 3 | 7 | 44 | 3 | 3 | 7 | 48 | 15 | 4 | 11 | 11.0 | 896. | 497. | 50.9 |
| TEX (S) USB-30' | 3 | 7 | 47 | 2 | 3 | 7 | 50 | 36 | 3 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.7 | 887. | 850. | 51.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| PRE (C) MPS-25M | 3 | 8 | 20 | 36 | 3 | 8 | 28 | 28 | 7 | 51 | 3 | 8 | 21 | 47 | 3 | 8 | 27 | 19 | 5 | 31 | 23.5 | 880. | 297. | 51.4 |
| TAN (C) FPS-16M | 3 | 8 | 25 | 36 | 3 | 8 | 33 | 22 | 7 | 45 | 3 | 8 | 26 | 47 | 3 | 8 | 32 | 11 | 5 | 23 | 20.8 | 877. | 324. | 51.4 |
| HAW (C) FPS-16M | 3 | 9 | 6 | 28 | 3 | 9 | 13 | 47 | 7 | 18 | 3 | 9 | 7 | 47 | 3 | 9 | 12 | 30 | 4 | 42 | 13.5 | 860. | 442. | 51.8 |
| HAW (S) USB-30' | 3 | 9 | 6 | 28 | 3 | 9 | 13 | 47 | 7 | 18 | 3 | 9 | 7 | 47 | 3 | 9 | 12 | 30 | 4 | 42 | 13.5 | 860. | 442. | 51.8 |
| RED (S) USB-30' | 3 | 9 | 10 | 4 | 3 | 9 | 16 | 5 | 6 | 1 | 3 | 9 | 12 | 1 | 3 | 9 | 14 | 7 | 2 | 6 | 6.1 | 929. | 652. | 51.9 |
| PRE (C) MPS-25M | 3 | 9 | 54 | 40 | 3 | 10 | 2 | 34 | 7 | 53 | 3 | 9 | 55 | 49 | 3 | 10 | 1 | 27 | 5 | 38 | 29.3 | 890. | 248. | 52.3 |
| TAN (C) FPS-16M | 3 | 9 | 59 | 47 | 3 | 10 | 7 | 11 | 7 | 24 | 3 | 10 | 1 | 2 | 3 | 10 | 5 | 56 | 4 | 54 | 15.2 | 912. | 403. | 52.4 |
| HAW (C) FPS-16M | 3 | 10 | 40 | 17 | 3 | 10 | 48 | 22 | 8 | 4 | 3 | 10 | 41 | 23 | 3 | 10 | 47 | 16 | 5 | 53 | 46.5 | 859. | 174. | 52.8 |
| HAW (S) USB-30' | 3 | 10 | 40 | 17 | 3 | 10 | 48 | 22 | 8 | 4 | 3 | 10 | 41 | 23 | 3 | 10 | 47 | 16 | 5 | 53 | 46.5 | 859. | 174. | 52.8 |
| RED (S) USB-30' | 3 | 10 | 43 | 16 | 3 | 10 | 51 | 22 | 8 | 5 | 3 | 10 | 44 | 21 | 3 | 10 | 50 | 17 | 5 | 55 | 53.9 | 857. | 157. | 52.8 |
| PRE (C) MPS-25M | 3 | 11 | 30 | 34 | 3 | 11 | 34 | 6 | 3 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.6 | 926. | 851. | 53.3 |
| HAW (C) FPS-16M | 3 | 12 | 15 | 44 | 3 | 12 | 20 | 29 | 4 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 916. | 765. | 53.8 |
| HAW (S) USB-30' | 3 | 12 | 15 | 44 | 3 | 12 | 20 | 29 | 4 | 44 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 916. | 765. | 53.8 |
| RED (S) USB-30' | 3 | 12 | 18 | 39 | 3 | 12 | 23 | 44 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.9 | 903. | 739. | 53.8 |
| ASC (C) TPQ-18 | 3 | 12 | 56 | 51 | 3 | 13 | 2 | 17 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 931. | 715. | 54.2 |
| ACN (S) USB-30' | 3 | 12 | 56 | 52 | 3 | 13 | 2 | 18 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.5 | 933. | 714. | 54.2 |
| GWM (S) USB-30' | 3 | 13 | 39 | 19 | 3 | 13 | 44 | 9 | 5 | 49 | 3 | 13 | 40 | 35 | 3 | 13 | 42 | 0 | 1 | 24 | 5.5 | 919. | 676. | 54.7 |
| MER (S) USB-30' | 3 | 13 | 55 | 45 | 3 | 14 | 1 | 17 | 5 | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 911. | 700. | 54.8 |
| ASC (C) TPQ-18 | 3 | 14 | 29 | 41 | 3 | 14 | 37 | 45 | 8 | 3 | 3 | 14 | 30 | 47 | 3 | 14 | 36 | 40 | 5 | 52 | 63.4 | 888. | 142. | 54.2 |
| ACN (S) USB-30' | 3 | 14 | 29 | 42 | 3 | 14 | 37 | 45 | 8 | 2 | 3 | 14 | 30 | 49 | 3 | 14 | 36 | 41 | 5 | 52 | 64.6 | 892. | 140. | 55.2 |
| GWM (S) USB-30' | 3 | 15 | 11 | 25 | 3 | 15 | 19 | 30 | 8 | 5 | 3 | 15 | 12 | 30 | 3 | 15 | 18 | 25 | 5 | 55 | 46.8 | 830. | 173. | 55.7 |
| HTV (S) USB-30' | 3 | 15 | 19 | 55 | 3 | 15 | 27 | 49 | 7 | 53 | 3 | 15 | 21 | 2 | 3 | 15 | 26 | 43 | 5 | 40 | 34.7 | 935. | 216. | 55.7 |
| MER (S) USB-30' | 3 | 15 | 28 | 17 | 3 | 15 | 36 | 24 | 8 | 6 | 3 | 15 | 29 | 22 | 3 | 15 | 35 | 18 | 5 | 56 | 54.8 | 858. | 156. | 55.8 |
| ASC (C) TPQ-18 | 3 | 16 | 5 | 43 | 3 | 16 | 9 | 36 | 3 | 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 916. | 829. | 56.2 |
| ACN (S) USB-30' | 3 | 16 | 5 | 45 | 3 | 16 | 9 | 36 | 3 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.0 | 919. | 831. | 56.2 |
| GWM (S) USB-30' | 3 | 16 | 46 | 56 | 3 | 16 | 51 | 44 | 4 | 48 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 942. | 766. | 56.6 |
| HTV (S) USB-30' | 3 | 16 | 54 | 44 | 3 | 17 | 1 | 6 | 6 | 22 | 3 | 16 | 56 | 25 | 3 | 16 | 59 | 25 | 3 | 0 | 7.6 | 922. | 594. | 56.7 |
| MER (S) USB-30' | 3 | 17 | 3 | 1 | 3 | 17 | 10 | 8 | 7 | 7 | 3 | 17 | 4 | 22 | 3 | 17 | 8 | 46 | 4 | 24 | 11.5 | 919. | 487. | 56.8 |
| CYI (C) MPS26 | 3 | 17 | 42 | 36 | 3 | 17 | 50 | 3 | 7 | 27 | 3 | 17 | 43 | 51 | 3 | 17 | 48 | 49 | 4 | 58 | 15.9 | 934. | 396. | 57.2 |
| CYI (S) USB-30' | 3 | 17 | 42 | 36 | 3 | 17 | 50 | 3 | 7 | 27 | 3 | 17 | 43 | 51 | 3 | 17 | 48 | 49 | 4 | 58 | 15.9 | 934. | 396. | 57.2 |
| MAD (S) USB-85' | 3 | 17 | 47 | 59 | 3 | 17 | 52 | 1 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.2 | 946. | 827. | 57.3 |
| HSK (S) USB-85' | 3 | 18 | 29 | 44 | 3 | 18 | 32 | 23 | 2 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 926. | 891. | 57.7 |
| MER (S) USB-30' | 3 | 18 | 38 | 20 | 3 | 18 | 44 | 9 | 5 | 48 | 3 | 18 | 40 | 39 | 3 | 18 | 41 | 56 | 1 | 17 | 5.4 | 925. | 683. | 57.8 |
| ANG (S) USB-30' | 3 | 19 | 5 | 43 | 3 | 19 | 12 | 34 | 6 | 50 | 3 | 19 | 7 | 9 | 3 | 19 | 11 | 8 | 3 | 59 | 10.3 | 898. | 514. | 58.1 |
| VAN (S) USB-30' | 3 | 19 | 12 | 16 | 3 | 19 | 17 | 2 | 4 | 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.3 | 942. | 774. | 58.2 |
| CYI (C) MPS26 | 3 | 19 | 16 | 13 | 3 | 19 | 24 | 20 | 8 | 6 | 3 | 19 | 17 | 19 | 3 | 19 | 23 | 13 | 5 | 54 | 45.1 | 876. | 180. | 58.2 |
| CYI (S) USB-30' | 3 | 19 | 16 | 13 | 3 | 19 | 24 | 20 | 8 | 6 | 3 | 19 | 17 | 19 | 3 | 19 | 23 | 13 | 5 | 54 | 45.1 | 876. | 180. | 58.2 |
| MAD (S) USB-85' | 3 | 19 | 20 | 3 | 3 | 19 | 26 | 50 | 6 | 46 | 3 | 19 | 21 | 30 | 3 | 19 | 25 | 22 | 3 | 51 | 9.4 | 797. | 546. | 58.3 |
| CRO (C) FPQ-6 | 3 | 19 | 53 | 26 | 3 | 19 | 59 | 2 | 5 | 35 | 3 | 19 | 55 | 54 | 3 | 19 | 56 | 8 | 0 | 13 | 5.1 | 937. | 689. | 58.6 |
| CRO (S) USB-30' | 3 | 19 | 53 | 27 | 3 | 19 | 59 | 2 | 5 | 35 | 3 | 19 | 55 | 55 | 3 | 19 | 56 | 7 | 0 | 11 | 5.1 | 937. | 690. | 58.6 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HSK (S) USB-85' | 3 | 20 | 0 | 58 | 3 | 20 | 8 | 13 | 7 | 14 | 3 | 20 | 2 | 14 | 3 | 20 | 6 | 54 | 4 | 39 | 13.3 | 904. | 445. | 58.7 |
| MER (S) USB-30' | 3 | 20 | 12 | 40 | 3 | 20 | 19 | 16 | 6 | 35 | 3 | 20 | 14 | 16 | 3 | 20 | 17 | 40 | 3 | 23 | 8.4 | 903. | 575. | 58.8 |
| PAT (C) FPQ-6 | 3 | 20 | 40 | 31 | 3 | 20 | 41 | 5 | 0 | 33 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .1 | 942. | 942. | 59.0 |
| GBI (C) TPQ-18 | 3 | 20 | 38 | 41 | 3 | 20 | 43 | 9 | 4 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 926. | 791. | 59.1 |
| GBM (S) USB-30' | 3 | 20 | 38 | 41 | 3 | 20 | 43 | 9 | 4 | 28 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2.9 | 924. | 790. | 59.1 |
| BDA (C) FPS-16M | 3 | 20 | 41 | 39 | 3 | 20 | 47 | 5 | 5 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 933. | 714. | 59.1 |
| BDQ (C) FPQ-6 | 3 | 20 | 41 | 39 | 3 | 20 | 47 | 5 | 5 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 933. | 714. | 59.1 |
| BDA (S) USB-30' | 3 | 20 | 41 | 39 | 3 | 20 | 47 | 5 | 5 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.6 | 934. | 715. | 59.1 |
| ANG (S) USB-30' | 3 | 20 | 39 | 6 | 3 | 20 | 47 | 1 | 7 | 54 | 3 | 20 | 40 | 12 | 3 | 20 | 45 | 53 | 5 | 40 | 30.9 | 940. | 239. | 59.1 |
| VAN (S) USB-30' | 3 | 20 | 44 | 22 | 3 | 20 | 52 | 12 | 7 | 50 | 3 | 20 | 45 | 30 | 3 | 20 | 51 | 1 | 5 | 30 | 24.1 | 908. | 293. | 59.2 |
| CYI (C) MPS26 | 3 | 20 | 50 | 42 | 3 | 20 | 58 | 26 | 7 | 44 | 3 | 20 | 51 | 55 | 3 | 20 | 57 | 14 | 5 | 18 | 19.0 | 904. | 352. | 59.2 |
| CYI (S) USB-30' | 3 | 20 | 50 | 42 | 3 | 20 | 58 | 26 | 7 | 44 | 3 | 20 | 51 | 55 | 3 | 20 | 57 | 14 | 5 | 18 | 19.1 | 904. | 352. | 59.2 |
| MAD (S) USB-85' | 3 | 20 | 53 | 29 | 3 | 21 | 0 | 33 | 7 | 4 | 3 | 20 | 54 | 50 | 3 | 20 | 59 | 12 | 4 | 21 | 11.9 | 951. | 481. | 59.3 |
| CRO (C) FPQ-6 | 3 | 21 | 25 | 59 | 3 | 21 | 34 | 3 | 8 | 3 | 3 | 21 | 27 | 4 | 3 | 21 | 32 | 56 | 5 | 51 | 65.0 | 926. | 141. | 59.6 |
| CRO (S) USB-30' | 3 | 21 | 26 | 0 | 3 | 21 | 34 | 3 | 8 | 3 | 3 | 21 | 27 | 4 | 3 | 21 | 32 | 56 | 5 | 51 | 64.7 | 925. | 142. | 59.6 |
| HSK (S) USB-85' | 3 | 21 | 34 | 23 | 3 | 21 | 42 | 22 | 7 | 58 | 3 | 21 | 35 | 30 | 3 | 21 | 41 | 14 | 5 | 44 | 30.4 | 860. | 243. | 59.7 |
| MER (S) USB-30' | 3 | 21 | 46 | 23 | 3 | 21 | 54 | 24 | 8 | 1 | 3 | 21 | 47 | 31 | 3 | 21 | 53 | 17 | 5 | 46 | 37.0 | 947. | 208. | 59.8 |
| TEX (S) USB-30' | 3 | 22 | 8 | 5 | 3 | 22 | 13 | 49 | 5 | 43 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4.8 | 943. | 745. | 60.0 |
| MIL (S) USB-30' | 3 | 22 | 10 | 26 | 3 | 22 | 18 | 26 | 7 | 59 | 3 | 22 | 11 | 37 | 3 | 22 | 17 | 14 | 5 | 37 | 20.8 | 984. | 354. | 60.1 |
| PAT (C) FPQ-6 | 3 | 22 | 10 | 24 | 3 | 22 | 18 | 26 | 8 | 2 | 3 | 22 | 11 | 35 | 3 | 22 | 17 | 16 | 5 | 41 | 22.1 | 976. | 338. | 60.1 |
| GBI (C) TPQ-18 | 3 | 22 | 10 | 33 | 3 | 22 | 18 | 56 | 8 | 22 | 3 | 22 | 11 | 40 | 3 | 22 | 17 | 48 | 6 | 8 | 37.4 | 898. | 225. | 60.1 |
| GBM (S) USB-30' | 3 | 22 | 10 | 33 | 3 | 22 | 18 | 56 | 8 | 22 | 3 | 22 | 11 | 40 | 3 | 22 | 17 | 48 | 6 | 8 | 37.4 | 896. | 225. | 60.1 |
| ANG (S) USB-30' | 3 | 22 | 14 | 40 | 3 | 22 | 20 | 31 | 5 | 51 | 3 | 22 | 17 | 22 | 3 | 22 | 17 | 39 | 0 | 17 | 5.1 | 983. | 734. | 60.1 |
| BDA (C) FPS-16M | 3 | 22 | 14 | 1 | 3 | 22 | 22 | 18 | 8 | 17 | 3 | 22 | 15 | 10 | 3 | 22 | 21 | 10 | 6 | 0 | 29.5 | 899. | 270. | 60.1 |
| BDQ (C) FPQ-6 | 3 | 22 | 14 | 1 | 3 | 22 | 22 | 18 | 8 | 17 | 3 | 22 | 15 | 10 | 3 | 22 | 21 | 10 | 6 | 0 | 29.5 | 899. | 270. | 60.1 |
| BDA (S) USB-30' | 3 | 22 | 14 | 1 | 3 | 22 | 22 | 18 | 8 | 17 | 3 | 22 | 15 | 10 | 3 | 22 | 21 | 10 | 6 | 0 | 29.5 | 899. | 271. | 60.1 |
| VAN (S) USB-30' | 3 | 22 | 18 | 9 | 3 | 22 | 26 | 36 | 8 | 27 | 3 | 22 | 19 | 16 | 3 | 22 | 25 | 29 | 6 | 13 | 77.9 | 954. | 143. | 60.2 |
| CYI (C) MPS26 | 3 | 22 | 25 | 2 | 3 | 22 | 33 | 8 | 8 | 6 | 3 | 22 | 26 | 12 | 3 | 22 | 32 | 1 | 5 | 48 | 26.9 | 894. | 279. | 60.2 |
| CYI (S) USB-30' | 3 | 22 | 25 | 2 | 3 | 22 | 33 | 8 | 8 | 6 | 3 | 22 | 26 | 12 | 3 | 22 | 32 | 1 | 5 | 48 | 26.9 | 894. | 279. | 60.2 |
| MAD (S) USB-85' | 3 | 22 | 27 | 43 | 3 | 22 | 33 | 41 | 5 | 58 | 3 | 22 | 29 | 48 | 3 | 22 | 31 | 41 | 1 | 53 | 5.9 | 920. | 674. | 60.2 |
| CRO (C) FPQ-6 | 3 | 23 | 0 | 42 | 3 | 23 | 7 | 53 | 7 | 10 | 3 | 23 | 1 | 56 | 3 | 23 | 6 | 37 | 4 | 41 | 15.2 | 838. | 380. | 60.6 |
| CRO (S) USB-30' | 3 | 23 | 0 | 43 | 3 | 23 | 7 | 53 | 7 | 10 | 3 | 23 | 1 | 56 | 3 | 23 | 6 | 37 | 4 | 41 | 15.3 | 838. | 380. | 60.6 |
| HSK (S) USB-85' | 3 | 23 | 8 | 29 | 3 | 23 | 16 | 11 | 7 | 41 | 3 | 23 | 9 | 35 | 3 | 23 | 15 | 4 | 5 | 28 | 28.9 | 784. | 242. | 60.7 |
| MER (S) USB-30' | 3 | 23 | 20 | 44 | 3 | 23 | 27 | 57 | 7 | 13 | 3 | 23 | 22 | 3 | 3 | 23 | 26 | 36 | 4 | 32 | 12.5 | 875. | 472. | 60.8 |
| GYM (S) USB-30' | 3 | 23 | 38 | 15 | 3 | 23 | 45 | 40 | 7 | 25 | 3 | 23 | 39 | 37 | 3 | 23 | 44 | 18 | 4 | 41 | 12.5 | 985. | 497. | 61.0 |
| WHS (C) FPS-16M | 3 | 23 | 40 | 2 | 3 | 23 | 46 | 44 | 6 | 41 | 3 | 23 | 41 | 40 | 3 | 23 | 45 | 4 | 3 | 24 | 8.1 | 988. | 620. | 61.0 |
| TEX (S) USB-30' | 3 | 23 | 40 | 30 | 3 | 23 | 48 | 55 | 8 | 24 | 3 | 23 | 41 | 38 | 3 | 23 | 47 | 48 | 6 | 9 | 36.9 | 991. | 227. | 61.0 |
| MIL (S) USB-30' | 3 | 23 | 44 | 11 | 3 | 23 | 52 | 41 | 8 | 29 | 3 | 23 | 45 | 18 | 3 | 23 | 51 | 34 | 6 | 15 | 49.7 | 992. | 183. | 61.1 |
| PAT (C) FPQ-6 | 3 | 23 | 44 | 12 | 3 | 23 | 52 | 40 | 8 | 28 | 3 | 23 | 45 | 19 | 3 | 23 | 51 | 33 | 6 | 14 | 45.7 | 995. | 194. | 61.1 |
| GBI (C) TPQ-18 | 3 | 23 | 44 | 42 | 3 | 23 | 53 | 0 | 8 | 18 | 3 | 23 | 45 | 52 | 3 | 23 | 51 | 51 | 5 | 58 | 26.2 | 891. | 299. | 61.1 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONTINUED

(B) LM - CONTINUED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 0 DEGREE ELEVATION ANGLE DURATION MIN SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE LOSS DAY HR MIN SEC | 5 DEGREE ELEVATION ANGLE DURATION MIN SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|
| GBM (S) USB-30' | 3 23 44 42 | 3 23 53 0 | 8 17 | 3 23 45 52 | 3 23 51 51 | 5 58 | 26.2 | 892. | 299. | 61.1 |
| ANG (S) USB-30' | 3 23 51 46 | 3 23 53 25 | 1 39 | 0 0 0 0 | 0 0 0 0 | 0 0 | .3 | 985. | 978. | 61.1 |
| BDA (C) FPS-16M | 3 23 47 54 | 3 23 56 27 | 8 33 | 3 23 49 1 | 3 23 55 20 | 6 18 | 80.5 | 949. | 144. | 61.1 |
| BDQ (C) FPQ-6 | 3 23 47 54 | 3 23 56 27 | 8 33 | 3 23 49 1 | 3 23 55 20 | 6 18 | 80.5 | 949. | 144. | 61.1 |
| BDA (S) USB-30' | 3 23 47 54 | 3 23 56 27 | 8 33 | 3 23 49 1 | 3 23 55 19 | 6 18 | 80.5 | 949. | 144. | 61.1 |
| VAN (S) USB-30' | 3 23 52 17 | 4 0 0 49 | 8 32 | 3 23 53 23 | 3 23 59 43 | 6 20 | 58.5 | 863. | 165. | 61.2 |
| CYI (C) MPS26 | 3 23 59 4 | 4 0 7 28 | 8 24 | 4 0 0 13 | 4 0 6 21 | 6 7 | 46.2 | 967. | 191. | 61.2 |
| CYI (S) USB-30' | 3 23 59 4 | 4 0 7 28 | 8 24 | 4 0 0 13 | 4 0 6 21 | 6 7 | 46.2 | 967. | 191. | 61.2 |
| TAN (C) FPS-16M | 4 0 19 22 | 4 0 27 18 | 7 55 | 4 0 20 34 | 4 0 26 6 | 5 32 | 21.0 | 974. | 344. | 61.4 |
| CRO (C) FPQ-6 | 4 0 35 31 | 4 0 42 39 | 7 7 | 4 0 36 56 | 4 0 41 15 | 4 18 | 10.7 | 932. | 520. | 61.6 |
| CRO (S) USB-30' | 4 0 35 31 | 4 0 42 39 | 7 7 | 4 0 36 56 | 4 0 41 15 | 4 18 | 10.8 | 931. | 519. | 61.6 |
| HSK (S) USB-85' | 4 0 42 55 | 4 0 49 46 | 6 50 | 4 0 44 22 | 4 0 48 22 | 4 0 | 10.4 | 883. | 510. | 61.7 |
| HTV (S) USB-30' | 4 0 51 0 | 4 0 57 21 | 6 20 | 4 0 52 37 | 4 0 55 46 | 3 9 | 7.9 | 846. | 563. | 61.7 |
| RED (S) USB-30' | 4 1 2 25 | 4 1 9 43 | 7 17 | 4 1 3 36 | 4 1 8 31 | 4 55 | 19.3 | 904. | 320. | 61.9 |
| CAL (C) FPS-16 | 4 1 11 26 | 4 1 17 43 | 6 16 | 4 1 12 59 | 4 1 16 8 | 3 9 | 8.2 | 865. | 548. | 61.9 |
| GDS (S) USB-85' | 4 1 12 9 | 4 1 18 36 | 6 27 | 4 1 13 37 | 4 1 17 7 | 3 29 | 9.1 | 885. | 519. | 62.0 |
| GYM (S) USB-30' | 4 1 12 5 | 4 1 19 54 | 7 49 | 4 1 13 10 | 4 1 18 50 | 5 39 | 47.8 | 844. | 160. | 62.0 |
| WHS (C) FPS-16M | 4 1 13 27 | 4 1 21 6 | 7 39 | 4 1 14 32 | 4 1 20 1 | 5 28 | 34.7 | 768. | 204. | 62.0 |
| TEX (S) USB-30' | 4 1 15 9 | 4 1 22 45 | 7 35 | 4 1 16 18 | 4 1 21 36 | 5 17 | 23.1 | 863. | 283. | 62.0 |
| MIL (S) USB-30' | 4 1 19 3 | 4 1 26 33 | 7 29 | 4 1 20 14 | 4 1 25 22 | 5 8 | 20.2 | 893. | 314. | 62.1 |
| PAT (C) FPQ-6 | 4 1 19 6 | 4 1 26 32 | 7 26 | 4 1 20 18 | 4 1 25 21 | 5 3 | 18.9 | 894. | 330. | 62.1 |
| GBI (C) TPQ-18 | 4 1 19 48 | 4 1 26 56 | 7 7 | 4 1 21 5 | 4 1 25 39 | 4 34 | 14.0 | 817. | 408. | 62.1 |
| GBM (S) USB-30' | 4 1 19 49 | 4 1 26 56 | 7 7 | 4 1 21 5 | 4 1 25 40 | 4 34 | 14.0 | 816. | 408. | 62.1 |
| ANG (S) USB-30' | 4 1 26 48 | 4 1 28 39 | 1 50 | 0 0 0 0 | 0 0 0 0 | 0 0 | .5 | 900. | 888. | 62.1 |
| BDA (C) FPS-16M | 4 1 22 27 | 4 1 30 15 | 7 47 | 4 1 23 31 | 4 1 29 11 | 5 39 | 80.1 | 729. | 122. | 62.1 |
| BDQ (C) FPQ-6 | 4 1 22 27 | 4 1 30 15 | 7 47 | 4 1 23 31 | 4 1 29 11 | 5 39 | 80.1 | 729. | 122. | 62.1 |
| BDA (S) USB-30' | 4 1 22 27 | 4 1 30 15 | 7 47 | 4 1 23 31 | 4 1 29 11 | 5 39 | 79.9 | 729. | 122. | 62.1 |
| VAN (S) USB-30' | 4 1 26 48 | 4 1 34 17 | 7 29 | 4 1 27 56 | 4 1 33 10 | 5 14 | 24.1 | 786. | 272. | 62.1 |
| CYI (C) MPS26 | 4 1 34 34 | 4 1 39 22 | 4 47 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.5 | 802. | 720. | 62.2 |
| CYI (S) USB-30' | 4 1 34 34 | 4 1 39 22 | 4 47 | 0 0 0 0 | 0 0 0 0 | 0 0 | 3.5 | 802. | 720. | 62.2 |
| PRE (C) MPS-25M | 4 1 50 56 | 4 1 56 56 | 6 0 | 4 1 52 35 | 4 1 55 17 | 2 42 | 7.2 | 903. | 567. | 62.3 |
| TAN (C) FPS-16M | 4 1 53 31 | 4 2 0 43 | 7 12 | 4 1 54 43 | 4 1 59 30 | 4 47 | 17.6 | 902. | 338. | 62.4 |
| CRO (C) FPQ-6 | 4 2 9 35 | 4 2 16 58 | 7 22 | 4 2 10 47 | 4 2 15 45 | 4 57 | 17.5 | 838. | 353. | 62.6 |
| CRO (S) USB-30' | 4 2 9 35 | 4 2 16 58 | 7 22 | 4 2 10 47 | 4 2 15 45 | 4 57 | 17.5 | 838. | 353. | 62.6 |
| HTV (S) USB-30' | 4 2 24 0 | 4 2 31 46 | 7 46 | 4 2 25 7 | 4 2 30 38 | 5 30 | 29.7 | 939. | 243. | 62.7 |
| HAW (C) FPS-16M | 4 2 34 40 | 4 2 42 25 | 7 44 | 4 2 35 50 | 4 2 41 14 | 5 24 | 22.8 | 943. | 303. | 62.8 |
| HAW (S) USB-30' | 4 2 34 41 | 4 2 42 25 | 7 44 | 4 2 35 50 | 4 2 41 14 | 5 24 | 22.8 | 943. | 303. | 62.8 |
| RED (S) USB-30' | 4 2 36 3 | 4 2 43 28 | 7 25 | 4 2 37 18 | 4 2 42 11 | 4 52 | 14.6 | 944. | 420. | 62.8 |
| CAL (C) FPS-16 | 4 2 44 2 | 4 2 52 0 | 7 58 | 4 2 45 10 | 4 2 50 53 | 5 42 | 32.5 | 926. | 232. | 62.9 |
| GDS (S) USB-85' | 4 2 44 51 | 4 2 52 49 | 7 58 | 4 2 45 59 | 4 2 51 41 | 5 42 | 29.1 | 887. | 253. | 63.0 |

TABLE VI - 0° AND 5° ELEVATION ANGLE RADAR ACQUISITION AND LOSS SUMMARY - CONCLUDED

(B) LM - CONCLUDED

| MSFN STATION NAME | 0 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | 5 DEGREE ELEVATION ANGLE ACQUISITION DAY | HR | MIN | SEC | LOSS DAY | HR | MIN | SEC | DURATION MIN | SEC | RANGE AND ELEVATION MAX ELEV | MAX RANGE | MIN RANGE | REV NO |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GYM (S) USB-30' | 4 | 2 | 46 | 2 | 4 | 2 | 53 | 29 | 7 | 26 | 4 | 2 | 47 | 13 | 4 | 2 | 52 | 41 | 5 | 27 | 21.8 | 931. | 318. | 63.0 |
| WHS (C) FPS-16M | 4 | 2 | 46 | 56 | 4 | 2 | 55 | 4 | 8 | 8 | 4 | 2 | 48 | 3 | 4 | 2 | 53 | 45 | 5 | 42 | 68.2 | 906. | 140. | 63.0 |
| TEX (S) USB-30' | 4 | 2 | 49 | 12 | 4 | 2 | 56 | 55 | 7 | 42 | 4 | 2 | 50 | 24 | 4 | 2 | 55 | 43 | 5 | 19 | 19.3 | 803. | 349. | 63.0 |
| MIL (S) USB-30' | 4 | 2 | 52 | 49 | 4 | 3 | 0 | 54 | 8 | 4 | 4 | 2 | 53 | 45 | 4 | 2 | 59 | 48 | 6 | 2 | 36.6 | 886. | 212. | 63.1 |
| PAT (C) FPQ-6 | 4 | 2 | 52 | 52 | 4 | 3 | 0 | 55 | 8 | 2 | 4 | 2 | 53 | 52 | 4 | 2 | 59 | 49 | 5 | 56 | 34.7 | 897. | 221. | 63.1 |
| GBI (C) TPQ-18 | 4 | 2 | 53 | 28 | 4 | 3 | 1 | 29 | 8 | 0 | 4 | 2 | 54 | 42 | 4 | 3 | 0 | 20 | 5 | 37 | 25.7 | 934. | 280. | 63.1 |
| GBM (S) USB-30' | 4 | 2 | 53 | 29 | 4 | 3 | 1 | 30 | 8 | 0 | 4 | 2 | 54 | 42 | 4 | 3 | 0 | 20 | 5 | 37 | 25.6 | 936. | 280. | 63.1 |
| BDA (C) FPS-16M | 4 | 2 | 56 | 13 | 4 | 3 | 3 | 51 | 7 | 38 | 4 | 2 | 57 | 24 | 4 | 3 | 2 | 40 | 5 | 16 | 19.4 | 808. | 345. | 63.1 |
| BDQ (C) FPQ-6 | 4 | 2 | 56 | 13 | 4 | 3 | 3 | 51 | 7 | 38 | 4 | 2 | 57 | 24 | 4 | 3 | 2 | 40 | 5 | 16 | 19.4 | 808. | 345. | 63.1 |
| BDA (S) USB-30' | 4 | 2 | 56 | 13 | 4 | 3 | 3 | 51 | 7 | 38 | 4 | 2 | 57 | 24 | 4 | 3 | 2 | 40 | 5 | 16 | 19.4 | 808. | 345. | 63.1 |
| ANG (S) USB-30' | 4 | 2 | 58 | 40 | 4 | 3 | 5 | 40 | 6 | 59 | 4 | 3 | 0 | 6 | 4 | 3 | 4 | 15 | 4 | 9 | 10.8 | 861. | 504. | 63.1 |
| VAN (S) USB-30' | 4 | 3 | 1 | 31 | 4 | 3 | 6 | 27 | 4 | 56 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 905. | 754. | 63.1 |
| ASC (C) TPQ-18 | 4 | 3 | 12 | 20 | 4 | 3 | 19 | 57 | 7 | 37 | 4 | 3 | 13 | 30 | 4 | 3 | 18 | 47 | 5 | 17 | 20.8 | 778. | 321. | 63.2 |
| ACN (S) USB-30' | 4 | 3 | 12 | 20 | 4 | 3 | 19 | 58 | 7 | 37 | 4 | 3 | 13 | 30 | 4 | 3 | 18 | 48 | 5 | 17 | 21.0 | 773. | 317. | 63.2 |
| PRE (C) MPS-25M | 4 | 3 | 23 | 37 | 4 | 3 | 31 | 42 | 8 | 4 | 4 | 3 | 24 | 42 | 4 | 3 | 30 | 37 | 5 | 54 | 47.3 | 832. | 171. | 63.4 |
| TAN (C) FPS-16M | 4 | 3 | 29 | 0 | 4 | 3 | 34 | 6 | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3.7 | 921. | 748. | 63.4 |
| CRO (C) FPQ-6 | 4 | 3 | 43 | 21 | 4 | 3 | 51 | 23 | 8 | 1 | 4 | 3 | 44 | 27 | 4 | 3 | 50 | 16 | 5 | 49 | 45.4 | 901. | 177. | 63.6 |
| CRO (S) USB-30' | 4 | 3 | 43 | 21 | 4 | 3 | 51 | 23 | 8 | 1 | 4 | 3 | 44 | 27 | 4 | 3 | 50 | 16 | 5 | 49 | 45.2 | 901. | 178. | 63.6 |
| GWM (S) USB-30' | 4 | 3 | 58 | 14 | 4 | 4 | 0 | 41 | 2 | 26 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | .7 | 908. | 901. | 63.7 |
| RED (S) USB-30' | 4 | 4 | 12 | 53 | 4 | 4 | 15 | 44 | 2 | 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1.0 | 935. | 894. | 63.8 |
| HAW (C) FPS-16M | 4 | 4 | 8 | 43 | 4 | 4 | 16 | 27 | 7 | 44 | 4 | 4 | 9 | 54 | 4 | 4 | 15 | 15 | 5 | 20 | 19.5 | 882. | 343. | 63.8 |
| HAW (S) USB-30' | 4 | 4 | 8 | 43 | 4 | 4 | 16 | 27 | 7 | 44 | 4 | 4 | 9 | 54 | 4 | 4 | 15 | 15 | 5 | 20 | 19.5 | 882. | 343. | 63.8 |
| CAL (C) FPS-16 | 4 | 4 | 17 | 54 | 4 | 4 | 25 | 59 | 8 | 5 | 4 | 4 | 19 | 1 | 4 | 4 | 24 | 52 | 5 | 51 | 52.1 | 953. | 163. | 63.9 |
| GDS (S) USB-85' | 4 | 4 | 18 | 42 | 4 | 4 | 26 | 43 | 8 | 0 | 4 | 4 | 19 | 51 | 4 | 4 | 25 | 36 | 5 | 44 | 38.6 | 952. | 203. | 63.9 |
| GYM (S) USB-30' | 4 | 4 | 20 | 23 | 4 | 4 | 28 | 8 | 7 | 45 | 4 | 4 | 21 | 33 | 4 | 4 | 27 | 2 | 5 | 28 | 25.0 | 951. | 287. | 64.0 |
| WHS (C) FPS-16M | 4 | 4 | 21 | 3 | 4 | 4 | 28 | 59 | 7 | 56 | 4 | 4 | 22 | 9 | 4 | 4 | 27 | 57 | 5 | 48 | 69.6 | 949. | 138. | 64.0 |
| TEX (S) USB-30' | 4 | 4 | 23 | 20 | 4 | 4 | 31 | 4 | 7 | 44 | 4 | 4 | 24 | 27 | 4 | 4 | 30 | 0 | 5 | 33 | 44.6 | 962. | 180. | 64.0 |
| MIL (S) USB-30' | 4 | 4 | 26 | 58 | 4 | 4 | 35 | 17 | 8 | 19 | 4 | 4 | 28 | 6 | 4 | 4 | 33 | 50 | 5 | 43 | 34.7 | 953. | 221. | 64.1 |
| PAT (C) FPQ-6 | 4 | 4 | 27 | 0 | 4 | 4 | 35 | 21 | 8 | 20 | 4 | 4 | 28 | 8 | 4 | 4 | 33 | 52 | 5 | 44 | 37.2 | 953. | 209. | 64.1 |
| GBI (C) TPQ-18 | 4 | 4 | 27 | 38 | 4 | 4 | 36 | 12 | 8 | 34 | 4 | 4 | 28 | 43 | 4 | 4 | 34 | 46 | 6 | 2 | 49.4 | 1284. | 175. | 64.1 |
| GBM (S) USB-30' | 4 | 4 | 27 | 38 | 4 | 4 | 36 | 13 | 8 | 34 | 4 | 4 | 28 | 44 | 4 | 4 | 34 | 47 | 6 | 3 | 49.3 | 1282. | 175. | 64.1 |
| BDA (C) FPS-16M | 4 | 4 | 30 | 57 | 4 | 4 | 38 | 50 | 7 | 53 | 4 | 4 | 32 | 35 | 4 | 4 | 36 | 21 | 3 | 45 | 8.3 | 1437. | 737. | 64.1 |
| BDQ (C) FPQ-6 | 4 | 4 | 30 | 57 | 4 | 4 | 38 | 50 | 7 | 53 | 4 | 4 | 32 | 35 | 4 | 4 | 36 | 21 | 3 | 45 | 8.3 | 1437. | 737. | 64.1 |
| BDA (S) USB-30' | 4 | 4 | 30 | 57 | 4 | 4 | 38 | 50 | 7 | 53 | 4 | 4 | 32 | 35 | 4 | 4 | 36 | 20 | 3 | 45 | 8.2 | 1438. | 737. | 64.1 |

## TABLE VII - SPACECRAFT LIGHTING SUMMARY

### (A) CSM

(ASSUMED LIFTOFF TIME = YEAR 1969. MONTH 2. 20 ' 0 ' 0 ' .00 )

START IN UMBRA AT T = 0 ' 2 ' 36 ' .00 SUN-LIGHT, EARTH-SHIELD

START IN UMBRA AT T = 0 ' 2 ' 36 ' .00 MOON-LIGHT, EARTH-SHIELD

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| 0 | 2 | 38 | 29.18 | 153.95 | | | | | | | | | | | | | | | | 2.66 |
| | | | | | | | | | | 0 | 2 | 50 | 47.17 | -165.94 | | | | | | 2.76 |
| | | | | | 0 | 3 | 32 | 31.41 | -5.02 | | | | | | | | | | | 3.21 |
| | | | | | | | | | | | | | | | 0 | 3 | 42 | 16.44 | 28.67 | 3.31 |
| 0 | 4 | 6 | 51.76 | 131.93 | | | | | | | | | | | | | | | | 3.59 |
| | | | | | | | | | | 0 | 4 | 19 | 18.13 | 172.47 | | | | | | 3.70 |
| | | | | | 0 | 5 | 0 | 55.72 | -27.01 | | | | | | | | | | | 4.15 |
| | | | | | | | | | | | | | | | 0 | 5 | 10 | 44.77 | 7.05 | 4.25 |
| 0 | 5 | 35 | 15.68 | 109.96 | | | | | | | | | | | | | | | | 4.53 |
| | | | | | | | | | | 0 | 5 | 47 | 48.47 | 150.82 | | | | | | 4.65 |
| | | | | | 0 | 6 | 29 | 42.26 | -47.98 | | | | | | | | | | | 5.09 |
| | | | | | | | | | | | | | | | 0 | 6 | 39 | 40.25 | -13.34 | 5.19 |
| 0 | 7 | 3 | 41.43 | 86.82 | | | | | | | | | | | | | | | | 5.47 |
| | | | | | | | | | | 0 | 7 | 16 | 36.57 | 128.76 | | | | | | 5.58 |
| | | | | | 0 | 7 | 58 | 28.27 | -70.13 | | | | | | | | | | | 6.03 |
| | | | | | | | | | | | | | | | 0 | 8 | 8 | 30.18 | -35.12 | 6.13 |
| 0 | 8 | 32 | 28.71 | 64.77 | | | | | | | | | | | | | | | | 6.41 |
| | | | | | | | | | | 0 | 8 | 45 | 29.74 | 107.02 | | | | | | 6.52 |
| | | | | | 0 | 9 | 27 | 14.92 | -92.26 | | | | | | | | | | | 6.97 |
| | | | | | | | | | | | | | | | 0 | 9 | 37 | 20.35 | -56.88 | 7.07 |
| 0 | 10 | 1 | 15.51 | 42.70 | | | | | | | | | | | | | | | | |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | 7.35 |
| | | | | | | | | | | | | | | | | 0 | 10 | 14 | 22.47 | 85.26 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 7.46 |
| | | | | | | | | | | | | 0 | 10 | 56 | 1.84 | -114.35 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 7.91 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 11 | 6 |
| | | | | | | | | | | | | | | | | | | | | | | | 8.01 |
| 0 | 11 | 30 | 1.77 | 20.61 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 8.29 |
| | | | | | | | | | | | | | | | | 0 | 11 | 43 | 14.73 | 63.48 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 8.40 |
| | | | | | | | | | | | | 0 | 12 | 24 | 49.25 | -136.43 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 8.85 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 12 | 35 |
| | | | | | | | | | | | | | | | | | | | | | | | 8.95 |
| 0 | 12 | 58 | 47.37 | 6.58 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 9.23 |
| | | | | | | | | | | | | | | | | 0 | 13 | 12 | 6.46 | 41.68 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 9.35 |
| | | | | | | | | | | | | 0 | 13 | 53 | 35.32 | -158.57 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 9.78 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 14 | 3 |
| | | | | | | | | | | | | | | | | | | | | | | | 9.89 |
| 0 | 14 | 27 | 34.55 | -23.58 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 10.16 |
| | | | | | | | | | | | | | | | | 0 | 14 | 40 | 57.59 | 19.84 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 10.29 |
| | | | | | | | | | | | | 0 | 15 | 22 | 21.35 | 179.30 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 10.73 |
| | | | | | | | | | | | | | | | | | | | | | 0 | 15 | 32 |
| | | | | | | | | | | | | | | | | | | | | | | | 10.82 |
| 0 | 15 | 56 | 21.51 | -45.64 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 11.10 |
| | | | | | | | | | | | | | | | | 0 | 16 | 9 | 48.04 | 10.20 | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 11.23 |
| | | | | | | | | | | | | 0 | 16 | 51 | 7.90 | 157.19 | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | 11.67 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 0 | 17 | 1 | 31.14 | -165.58 | 11.77 |
| 0 | 17 | 25 | 7.93 | -67.72 | | | | | | | | | | | | | | | | 12.04 |
| | | | | | | | | | | 0 | 17 | 38 | 39.74 | -23.81 | | | | | | 12.16 |
| | | | | | 0 | 18 | 19 | 54.89 | 135.11 | | | | | | | | | | | 12.61 |
| | | | | | | | | | | | | | | | 0 | 18 | 30 | 20.31 | 172.64 | 12.71 |
| 0 | 18 | 53 | 53.74 | -89.84 | | | | | | | | | | | | | | | | 12.98 |
| | | | | | | | | | | 0 | 19 | 7 | 31.48 | -45.58 | | | | | | 13.10 |
| | | | | | 0 | 19 | 48 | 41.54 | 113.01 | | | | | | | | | | | 13.54 |
| | | | | | | | | | | | | | | | 0 | 19 | 59 | 9.84 | 150.89 | 13.65 |
| 0 | 20 | 22 | 40.01 | -111.94 | | | | | | | | | | | | | | | | 13.91 |
| | | | | | | | | | | 0 | 20 | 36 | 22.71 | -67.38 | | | | | | 14.04 |
| | | | | | 0 | 21 | 17 | 27.04 | 90.86 | | | | | | | | | | | 14.48 |
| | | | | | | | | | | | | | | | 0 | 21 | 27 | 59.70 | 129.17 | 14.59 |
| 0 | 21 | 51 | 27.08 | -133.99 | | | | | | | | | | | | | | | | 14.85 |
| | | | | | | | | | | 0 | 22 | 5 | 11.81 | -89.30 | | | | | | 14.98 |
| | | | | | 0 | 22 | 47 | 22.10 | 72.01 | | | | | | | | | | | 15.43 |
| | | | | | | | | | | | | | | | 0 | 22 | 58 | 21.60 | 110.92 | 15.54 |
| 0 | 23 | 20 | 17.29 | -159.23 | | | | | | | | | | | | | | | | 15.79 |
| | | | | | | | | | | 0 | 23 | 35 | 13.04 | -111.24 | | | | | | 15.92 |
| | | | | | 1 | 0 | 17 | 22.52 | 49.61 | | | | | | | | | | | 16.37 |
| | | | | | | | | | | | | | | | 1 | 0 | 28 | 24.89 | 88.87 | 16.48 |
| 1 | 0 | 50 | 17.63 | 178.38 | | | | | | | | | | | | | | | | 16.72 |
| | | | | | | | | | | 1 | 1 | 5 | 17.84 | -133.36 | | | | | | 16.86 |
| | | | | | 1 | 1 | 46 | 54.26 | 23.17 | | | | | | | | | | | 17.30 |
| | | | | | | | | | | | | | | | 1 | 1 | 59 | 42.32 | 70.45 | 17.42 |
| 1 | 2 | 19 | 5.27 | 149.21 | | | | | | | | | | | | | | | | 17.64 |
| | | | | | | | | | | 1 | 2 | 36 | 17.58 | -155.32 | | | | | | 17.80 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | | |
|---|---|---|---|---|---|
| 1 | 3 | 18 | 25.74 | 5.38 | 18.24 |
| 1 | 3 | 31 | 17.99 | 48.08 | 18.37 |
| 1 | 3 | 50 | 36.29 | 126.50 | 18.58 |
| 1 | 4 | 7 | 54.97 | -177.76 | 18.73 |
| 1 | 4 | 43 | 45.41 | -17.63 | 19.18 |
| 1 | 5 | 2 | 50.77 | 25.71 | 19.30 |
| 1 | 5 | 22 | .69 | 103.51 | 19.52 |
| 1 | 5 | 39 | 27.99 | 159.86 | 19.67 |
| 1 | 6 | 21 | 17.67 | -40.42 | 20.11 |
| 1 | 6 | 34 | 27.50 | .39 | 20.23 |
| 1 | 6 | 53 | 30.89 | 80.72 | 20.46 |
| 1 | 7 | 11 | 7.00 | 137.48 | 20.61 |
| 1 | 7 | 52 | 49.42 | -63.23 | 21.05 |
| 1 | 8 | 6 | 1.84 | -19.11 | 21.18 |
| 1 | 8 | 25 | 2.56 | 58.[illegible]1 | 21.39 |
| 1 | 8 | 42 | 43.83 | 114.97 | 21.55 |
| 1 | 9 | 24 | 21.91 | -86.00 | 21.99 |
| 1 | 9 | 37 | 37.80 | -41.48 | 22.12 |
| 1 | 9 | 56 | 32.98 | 35.23 | 22.33 |
| 1 | 10 | 14 | 20.08 | 92.43 | 22.48 |
| 1 | 10 | 55 | 53.37 | -108.82 | 22.93 |
| 1 | 11 | 9 | 12.85 | -63.90 | 23.05 |
| 1 | 11 | 28 | 4.57 | 12.50 | 23.26 |
| 1 | 11 | 45 | 57.81 | 69.99 | 23.42 |
| 1 | 12 | 27 | 26.08 | -131.58 | 23.86 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 1 | 12 | 40 | 47.92 | -86.32 | 23.99 |
| 1 | 12 | 59 | 35.17 | -10.27 | | | | | | | | | | | | | | | | 24.20 |
| | | | | | | | | | | 1 | 13 | 17 | 32.94 | 47.40 | | | | | | 24.36 |
| | | | | | 1 | 13 | 58 | 57.25 | -154.41 | | | | | | | | | | | 24.80 |
| | | | | | | | | | | | | | | | 1 | 14 | 12 | 23.84 | -108.68 | 24.92 |
| 1 | 14 | 31 | 6.67 | -33.00 | | | | | | | | | | | | | | | | 25.14 |
| | | | | | | | | | | 1 | 14 | 49 | 10.26 | 24.95 | | | | | | 25.30 |
| | | | | | 1 | 15 | 30 | 29.93 | -177.16 | | | | | | | | | | | 25.74 |
| | | | | | | | | | | | | | | | 1 | 15 | 43 | 57.57 | -131.14 | 25.86 |
| 1 | 16 | 2 | 37.45 | -55.77 | | | | | | | | | | | | | | | | 26.08 |
| | | | | | | | | | | 1 | 16 | 20 | 46.41 | 2.43 | | | | | | 26.24 |
| | | | | | 1 | 17 | 2 | 1.04 | 160.01 | | | | | | | | | | | 26.67 |
| | | | | | | | | | | | | | | | 1 | 17 | 15 | 33.78 | -153.49 | 26.81 |
| 1 | 17 | 34 | 8.85 | -78.50 | | | | | | | | | | | | | | | | 27.01 |
| | | | | | | | | | | 1 | 17 | 52 | 21.43 | -20.16 | | | | | | 27.17 |
| | | | | | 1 | 18 | 33 | 33.48 | 137.24 | | | | | | | | | | | 27.61 |
| | | | | | | | | | | | | | | | 1 | 18 | 47 | 8.01 | -175.93 | 27.74 |
| 1 | 19 | 5 | 39.82 | -101.26 | | | | | | | | | | | | | | | | 27.95 |
| | | | | | | | | | | 1 | 19 | 23 | 58.39 | -42.61 | | | | | | 28.11 |
| | | | | | 1 | 20 | 5 | 4.74 | 114.43 | | | | | | | | | | | 28.54 |
| | | | | | | | | | | | | | | | 1 | 20 | 18 | 43.04 | 161.68 | 28.68 |
| 1 | 20 | 37 | 11.12 | -124.01 | | | | | | | | | | | | | | | | 28.88 |
| | | | | | | | | | | 1 | 20 | 55 | 32.56 | -65.24 | | | | | | 29.05 |
| | | | | | 1 | 21 | 36 | 36.93 | 91.66 | | | | | | | | | | | 29.49 |
| | | | | | | | | | | | | | | | 1 | 21 | 50 | 18.08 | 139.29 | 29.61 |
| 1 | 22 | 8 | 42.26 | -146.76 | | | | | | | | | | | | | | | | 29.82 |
| | | | | | | | | | | 1 | 22 | 27 | 9.12 | -87.70 | | | | | | 29.98 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 23 | 8 | 8.33 | 68.85 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 30.42 |
| | | | | | | | | | | | | | | | 1 | 23 | 21 | 52.31 | 116.87 | |
| | | | | | | | | | | | | | | | | | | | | 30.55 |
| 1 | 23 | 40 | 13.46 | -169.51 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 30.76 |
| | | | | | | | | | | 1 | 23 | 58 | 44.25 | -110.26 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 30.92 |
| | | | | | 2 | 0 | 39 | 40.27 | 46.07 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 31.36 |
| | | | | | | | | | | | | | | | 2 | 0 | 53 | 28.21 | 94.55 | |
| | | | | | | | | | | | | | | | | | | | | 31.50 |
| 2 | 1 | 11 | 44.78 | 167.74 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 31.70 |
| | | | | | | | | | | 2 | 1 | 30 | 18.80 | -132.84 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 31.86 |
| | | | | | 2 | 2 | 10 | 4.79 | 21.92 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 32.28 |
| | | | | | | | | | | | | | | | 2 | 2 | 24 | 58.61 | 72.36 | |
| | | | | | | | | | | | | | | | | | | | | 32.43 |
| 2 | 2 | 42 | 26.24 | 143.41 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 32.63 |
| | | | | | | | | | | 2 | 3 | 1 | 49.18 | -153.95 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 32.80 |
| | | | | | 2 | 3 | 41 | 35.22 | 168.38 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 33.23 |
| | | | | | | | | | | | | | | | 2 | 3 | 56 | 32.48 | 49.93 | |
| | | | | | | | | | | | | | | | | | | | | 33.37 |
| 2 | 4 | 13 | 56.12 | 120.65 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 33.56 |
| | | | | | | | | | | 2 | 4 | 33 | 24.20 | -176.49 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 33.74 |
| | | | | | 2 | 5 | 13 | 7.30 | -23.67 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 34.17 |
| | | | | | | | | | | | | | | | 2 | 5 | 28 | 8.07 | 27.61 | |
| | | | | | | | | | | | | | | | | | | | | 34.31 |
| 2 | 5 | 45 | 26.57 | 97.91 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 34.50 |
| | | | | | | | | | | 2 | 6 | 4 | 58.42 | 160.93 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 34.67 |
| | | | | | 2 | 6 | 42 | 30.91 | -51.69 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 35.08 |
| | | | | | | | | | | | | | | | 2 | 6 | 56 | 57.07 | -1.05 | |
| | | | | | | | | | | | | | | | | | | | | 35.22 |
| 2 | 7 | 16 | 25.06 | 81.89 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 35.46 |
| | | | | | | | | | | 2 | 7 | 34 | 1.57 | 139.51 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 35.62 |
| | | | | | 2 | 8 | 11 | 47.36 | -73.91 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 36.02 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 2 | 8 | 26 | 14.69 | -23.00 | 36.17 |
| 2 | 8 | 45 | 40.11 | 59.67 | | | | | | | | | | | | | | | | 36.39 |
| | | | | | | | | | | 2 | 9 | 3 | 22.32 | 117.60 | | | | | | 36.56 |
| | | | | | 2 | 9 | 41 | 3.59 | -96.13 | | | | | | | | | | | 36.96 |
| | | | | | | | | | | | | | | | 2 | 9 | 55 | 33.31 | -44.88 | 37.10 |
| 2 | 10 | 14 | 54.58 | 37.43 | | | | | | | | | | | | | | | | 37.33 |
| | | | | | | | | | | 2 | 10 | 32 | 41.18 | 95.58 | | | | | | 37.49 |
| | | | | | 2 | 11 | 10 | 18.71 | -118.42 | | | | | | | | | | | 37.90 |
| | | | | | | | | | | | | | | | 2 | 11 | 24 | 53.51 | -66.65 | 38.04 |
| 2 | 11 | 44 | 10.41 | 15.25 | | | | | | | | | | | | | | | | 38.27 |
| | | | | | | | | | | 2 | 12 | 1 | 58.74 | 73.48 | | | | | | 38.44 |
| | | | | | 2 | 12 | 39 | 34.44 | -140.67 | | | | | | | | | | | 38.84 |
| | | | | | | | | | | | | | | | 2 | 12 | 54 | 11.50 | -88.56 | 38.99 |
| 2 | 13 | 13 | 26.08 | -6.93 | | | | | | | | | | | | | | | | 39.21 |
| | | | | | | | | | | 2 | 13 | 31 | 19.28 | 51.58 | | | | | | 39.37 |
| | | | | | 2 | 14 | 8 | 50.89 | -162.88 | | | | | | | | | | | 39.77 |
| | | | | | | | | | | | | | | | 2 | 14 | 23 | 29.64 | -110.45 | 39.92 |
| 2 | 14 | 42 | 41.06 | -29.15 | | | | | | | | | | | | | | | | 40.15 |
| | | | | | | | | | | 2 | 15 | 0 | 37.93 | 29.56 | | | | | | 40.31 |
| | | | | | 2 | 15 | 38 | 6.54 | 174.38 | | | | | | | | | | | 40.72 |
| | | | | | | | | | | | | | | | 2 | 15 | 52 | 49.26 | -132.23 | 40.86 |
| 2 | 16 | 11 | 55.46 | -51.39 | | | | | | | | | | | | | | | | 41.08 |
| | | | | | | | | | | 2 | 16 | 29 | 55.14 | 7.47 | | | | | | 41.24 |
| | | | | | 2 | 17 | 7 | 21.62 | 152.60 | | | | | | | | | | | 41.65 |
| | | | | | | | | | | | | | | | 2 | 17 | 22 | 7.77 | -154.08 | 41.81 |
| 2 | 17 | 41 | 11.36 | -73.57 | | | | | | | | | | | | | | | | 42.03 |
| | | | | | | | | | | 2 | 17 | 59 | 14.77 | -14.47 | | | | | | 42.19 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 2 | 18 | 36 | 37.30 | 130.36 | | | | | | | | | | | 42.59 |
| | | | | | | | | | | | | | | | 2 | 18 | 51 | 25.44 | -175.98 | 42.74 |
| 2 | 19 | 16 | 26.94 | -95.75 | | | | | | | | | | | | | | | | 42.96 |
| | | | | | | | | | | 2 | 19 | 28 | 33.36 | -35.47 | | | | | | 43.13 |
| | | | | | 2 | 20 | 5 | 53.70 | 108.15 | | | | | | | | | | | 43.52 |
| | | | | | | | | | | | | | | | 2 | 20 | 20 | 44.48 | 162.22 | 43.68 |
| 2 | 20 | 39 | 41.84 | -117.97 | | | | | | | | | | | | | | | | 43.90 |
| | | | | | | | | | | 2 | 20 | 57 | 50.49 | -58.55 | | | | | | 44.06 |
| | | | | | 2 | 21 | 35 | 8.84 | 85.90 | | | | | | | | | | | 44.47 |
| | | | | | | | | | | | | | | | 2 | 21 | 50 | 3.61 | 140.43 | 44.62 |
| 2 | 22 | 8 | 55.18 | -140.22 | | | | | | | | | | | | | | | | 44.83 |
| | | | | | | | | | | 2 | 22 | 27 | 8.81 | -80.55 | | | | | | 45.01 |
| | | | | | 2 | 23 | 4 | 23.32 | 63.63 | | | | | | | | | | | 45.41 |
| | | | | | | | | | | | | | | | 2 | 23 | 19 | 20.84 | 118.52 | 45.56 |
| 2 | 23 | 38 | 12.11 | -162.39 | | | | | | | | | | | | | | | | 45.78 |
| | | | | | | | | | | 2 | 23 | 56 | 27.48 | -102.51 | | | | | | 45.94 |
| | | | | | 3 | 0 | 33 | 39.40 | 41.40 | | | | | | | | | | | 46.34 |
| | | | | | | | | | | | | | | | 3 | 0 | 48 | 39.35 | 96.71 | 46.50 |
| 3 | 1 | 7 | 27.60 | 175.42 | | | | | | | | | | | | | | | | 46.72 |
| | | | | | | | | | | 3 | 1 | 25 | 44.65 | -124.57 | | | | | | 46.88 |
| | | | | | 3 | 2 | 2 | 55.69 | 19.20 | | | | | | | | | | | 47.28 |
| | | | | | | | | | | | | | | | 3 | 2 | 17 | 59.16 | 74.99 | 47.44 |
| 3 | 2 | 36 | 42.42 | 153.20 | | | | | | | | | | | | | | | | 47.65 |
| | | | | | | | | | | 3 | 2 | 55 | 1.38 | -146.65 | | | | | | 47.83 |
| | | | | | 3 | 3 | 32 | 10.39 | -3.07 | | | | | | | | | | | 48.22 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 3 | 3 | 47 | 15.58 | 53.08 | 48.38 |
| 3 | 4 | 5 | 56.68 | 130.95 | | | | | | | | | | | | | | | | 48.59 |
| | | | | | | | | | | 3 | 4 | 24 | 20.29 | -163.58 | | | | | | 48.76 |
| | | | | | 3 | 5 | 1 | 25.23 | -25.33 | | | | | | | | | | | 49.16 |
| | | | | | | | | | | | | | | | 3 | 5 | 16 | 34.00 | 31.25 | 49.32 |
| 3 | 5 | 35 | 12.61 | 108.78 | | | | | | | | | | | | | | | | 49.53 |
| | | | | | | | | | | 3 | 5 | 53 | 37.62 | 169.40 | | | | | | 49.70 |
| | | | | | 3 | 6 | 30 | 40.65 | -47.56 | | | | | | | | | | | 50.09 |
| | | | | | | | | | | | | | | | 3 | 6 | 45 | 53.55 | 9.53 | 50.25 |
| 3 | 7 | 4 | 28.00 | 86.59 | | | | | | | | | | | | | | | | 50.47 |
| | | | | | | | | | | 3 | 7 | 22 | 53.72 | 147.30 | | | | | | 50.63 |
| | | | | | 3 | 7 | 59 | 56.77 | -69.75 | | | | | | | | | | | 51.03 |
| | | | | | | | | | | | | | | | 3 | 8 | 15 | 11.00 | -12.32 | 51.20 |
| 3 | 8 | 33 | 42.74 | 64.36 | | | | | | | | | | | | | | | | 51.40 |
| | | | | | | | | | | 3 | 8 | 52 | 11.76 | 125.33 | | | | | | 51.58 |
| | | | | | 3 | 9 | 29 | 11.12 | -92.02 | | | | | | | | | | | 51.98 |
| | | | | | | | | | | | | | | | 3 | 9 | 44 | 28.60 | -34.16 | 52.13 |
| 3 | 10 | 2 | 56.92 | 42.11 | | | | | | | | | | | | | | | | 52.34 |
| | | | | | | | | | | 3 | 10 | 21 | 29.39 | 103.35 | | | | | | 52.52 |
| | | | | | 3 | 10 | 58 | 25.77 | -114.28 | | | | | | | | | | | 52.91 |
| | | | | | | | | | | | | | | | 3 | 11 | 13 | 47.61 | -55.89 | 53.07 |
| 3 | 11 | 32 | 12.80 | 19.94 | | | | | | | | | | | | | | | | 53.29 |
| | | | | | | | | | | 3 | 11 | 50 | 45.72 | 81.29 | | | | | | 53.45 |
| | | | | | 3 | 12 | 27 | 40.97 | -136.51 | | | | | | | | | | | 53.85 |
| | | | | | | | | | | | | | | | 3 | 12 | 43 | 6.02 | -77.66 | 54.02 |
| 3 | 13 | 1 | 28.10 | -2.26 | | | | | | | | | | | | | | | | 54.22 |
| | | | | | | | | | | 3 | 13 | 20 | 1.84 | 59.22 | | | | | | 54.40 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | |
|---|---|---|---|---|
| | 3 13 55 56.84 -153.70 | | | |
| | | | | 54.78 |
| | | | 3 14 12 23.26 -99.50 | |
| | | | | 54.95 |
| 3 14 30 42.75 -24.48 | | | | |
| | | | | 55.16 |
| | | 3 14 49 19.94 37.29 | | |
| | | | | 55.33 |
| | 3 15 26 10.96 179.03 | | | |
| | | | | 55.73 |
| | | | 3 15 41 41.82 -121.25 | |
| | | | | 55.89 |
| 3 15 59 56.84 -46.74 | | | | |
| | | | | 56.09 |
| | | 3 16 18 36.62 15.28 | | |
| | | | | 56.27 |
| | 3 16 55 25.36 155.77 | | | |
| | | | | 56.66 |
| | | | 3 17 11 1.16 -142.93 | |
| | | | | 56.84 |
| 3 17 29 12.61 -68.91 | | | | |
| | | | | 57.04 |
| | | 3 17 47 52.18 -6.81 | | |
| | | | | 57.21 |
| | 3 18 24 40.29 134.55 | | | |
| | | | | 57.60 |
| | | | 3 18 40 18.12 -164.78 | |
| | | | | 57.77 |
| 3 18 58 27.82 -91.11 | | | | |
| | | | | 57.98 |
| | | 3 19 17 9.21 -28.79 | | |
| | | | | 58.15 |
| | 3 19 53 55.85 112.36 | | | |
| | | | | 58.54 |
| | | | 3 20 9 36.34 173.47 | |
| | | | | 58.71 |
| 3 20 27 42.38 -113.34 | | | | |
| | | | | 58.91 |
| | | 3 20 46 26.39 -50.75 | | |
| | | | | 59.09 |
| | 3 21 23 8.76 90.05 | | | |
| | | | | 59.48 |
| | | | 3 21 38 55.20 151.81 | |
| | | | | 59.65 |
| 3 21 56 56.50 -135.55 | | | | |
| | | | | 59.85 |
| | | 3 22 15 41.27 -72.34 | | |
| | | | | 60.03 |
| | 3 22 52 23.71 67.83 | | | |
| | | | | 60.41 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 3 | 23 | 8 | 12.12 | 129.98 | |
| | | | | | | | | | | | | | | | | | | | | 60.59 |
| 3 | 23 | 24 | 11.06 | -157.78 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 60.79 |
| | | | | | | | | | | 3 | 23 | 44 | 57.71 | -94.83 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 60.96 |
| | | | | | 4 | 0 | 21 | 38.48 | 45.52 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 61.35 |
| | | | | | | | | | | | | | | | 4 | 0 | 37 | 31.68 | 108.34 | |
| | | | | | | | | | | | | | | | | | | | | 61.54 |
| 4 | 0 | 55 | 25.11 | 179.97 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 61.72 |
| | | | | | | | | | | 4 | 1 | 14 | 13.66 | -116.85 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 61.90 |
| | | | | | 4 | 1 | 50 | 51.52 | 23.32 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 62.29 |
| | | | | | | | | | | | | | | | 4 | 2 | 6 | 49.75 | 86.61 | |
| | | | | | | | | | | | | | | | | | | | | 62.47 |
| 4 | 2 | 24 | 39.62 | 157.75 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 62.67 |
| | | | | | | | | | | 4 | 2 | 43 | 30.18 | -138.81 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 62.85 |
| | | | | | 4 | 3 | 20 | 6.63 | -21.70 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 63.23 |
| | | | | | | | | | | | | | | | 4 | 3 | 36 | 8.25 | 64.91 | |
| | | | | | | | | | | | | | | | | | | | | 63.40 |
| 4 | 3 | 53 | 54.89 | 135.57 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 63.60 |
| | | | | | | | | | | 4 | 4 | 12 | 46.14 | -160.81 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 63.78 |
| | | | | | 4 | 4 | 49 | 19.95 | -21.14 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 64.17 |
| | | | | | | | | | | | | | | | 4 | 5 | 5 | 25.08 | 43.10 | |
| | | | | | | | | | | | | | | | | | | | | 64.35 |
| 4 | 5 | 23 | 9.10 | 113.34 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 64.55 |
| | | | | | | | | | | 4 | 5 | 42 | .52 | 177.09 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 64.73 |
| | | | | | 4 | 6 | 18 | 33.80 | -43.39 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 65.11 |
| | | | | | | | | | | | | | | | 4 | 6 | 34 | 43.82 | 21.43 | |
| | | | | | | | | | | | | | | | | | | | | 65.29 |
| 4 | 6 | 52 | 24.11 | 91.15 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 65.48 |
| | | | | | | | | | | 4 | 7 | 11 | 17.77 | 155.20 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 65.66 |
| | | | | | 4 | 7 | 47 | 48.12 | -65.59 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 66.04 |
| | | | | | | | | | | | | | | | 4 | 8 | 4 | 3.31 | 19.70 | |
| | | | | | | | | | | | | | | | | | | | | 66.24 |
| 4 | 8 | 21 | 38.43 | 68.22 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 66.42 |
| | | | | | | | | | | 4 | 8 | 40 | 33.77 | 133.24 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 66.60 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | |
|---|---|---|---|---|
| | 4 9 17 2.52 -67.79 | | | |
| | | | | 66.99 |
| | | | 4 9 33 20.60 -21.94 | |
| | | | | 67.17 |
| 4 9 50 52.14 46.67 | | | | |
| | | | | 67.35 |
| | | 4 10 9 48.79 111.21 | | |
| | | | | 67.53 |
| | 4 10 46 15.42 -110.06 | | | |
| | | | | 67.92 |
| | | | 4 11 2 39.14 -43.60 | |
| | | | | 68.11 |
| 4 11 26 6.30 24.45 | | | | |
| | | | | 68.30 |
| | | 4 11 39 3.76 89.19 | | |
| | | | | 68.48 |
| | 4 12 15 28.66 -132.31 | | | |
| | | | | 68.86 |
| | | | 4 12 31 59.26 -65.14 | |
| | | | | 69.04 |
| 4 12 49 21.15 2.26 | | | | |
| | | | | 69.24 |
| | | 4 13 8 20.45 67.31 | | |
| | | | | 69.42 |
| | 4 13 44 42.32 -154.53 | | | |
| | | | | 69.80 |
| | | | 4 14 1 16.67 -86.88 | |
| | | | | 69.99 |
| 4 14 18 35.30 -19.36 | | | | |
| | | | | 70.17 |
| | | 4 14 37 36.02 45.35 | | |
| | | | | 70.35 |
| | 4 15 13 50.45 -176.72 | | | |
| | | | | 70.73 |
| | | | 4 15 30 35.15 -108.53 | |
| | | | | 70.93 |
| 4 15 47 48.84 -42.20 | | | | |
| | | | | 71.11 |
| | | 4 16 6 50.71 23.34 | | |
| | | | | 71.29 |
| | 4 16 43 9.31 161.03 | | | |
| | | | | 71.68 |
| | | | 4 16 59 55.16 -130.06 | |
| | | | | 71.86 |
| 4 17 17 2.20 -44.45 | | | | |
| | | | | 72.05 |
| | | 4 17 36 5.82 1.37 | | |
| | | | | 72.24 |
| | 4 18 12 21.90 138.77 | | | |
| | | | | 72.62 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 4 | 18 | 29 | 13.46 | -151.72 | 72.81 |
| 4 | 18 | 46 | 16.92 | -86.63 | | | | | | | | | | | | | | | | 72.99 |
| | | | | | | | | | | 4 | 19 | 5 | 22.12 | -20.50 | | | | | | 73.17 |
| | | | | | 4 | 19 | 41 | 34.83 | 116.53 | | | | | | | | | | | 73.55 |
| | | | | | | | | | | | | | | | 4 | 19 | 58 | 32.02 | -173.36 | 73.75 |
| 4 | 20 | 15 | 30.93 | -109.85 | | | | | | | | | | | | | | | | 73.93 |
| | | | | | | | | | | 4 | 20 | 34 | 37.41 | -42.44 | | | | | | 74.11 |
| | | | | | 4 | 21 | 10 | 48.16 | 94.33 | | | | | | | | | | | 74.49 |
| | | | | | | | | | | | | | | | 4 | 21 | 27 | 52.07 | 165.12 | 74.68 |
| 4 | 21 | 44 | 44.32 | -131.09 | | | | | | | | | | | | | | | | 74.86 |
| | | | | | | | | | | 4 | 22 | 3 | 51.91 | -64.43 | | | | | | 75.05 |
| | | | | | 4 | 22 | 40 | 1.64 | 72.13 | | | | | | | | | | | 75.43 |
| | | | | | | | | | | | | | | | 4 | 22 | 57 | 11.15 | 143.53 | 75.63 |
| 4 | 23 | 13 | 57.18 | -153.35 | | | | | | | | | | | | | | | | 75.80 |
| | | | | | | | | | | 4 | 23 | 33 | 7.03 | -86.36 | | | | | | 75.99 |
| | | | | | 5 | 0 | 9 | 13.54 | 49.86 | | | | | | | | | | | 76.37 |
| | | | | | | | | | | | | | | | 5 | 0 | 26 | 29.93 | 121.92 | 76.57 |
| 5 | 0 | 43 | 11.28 | -175.55 | | | | | | | | | | | | | | | | 76.74 |
| | | | | | | | | | | 5 | 1 | 2 | 23.14 | -108.21 | | | | | | 76.93 |
| | | | | | 5 | 1 | 38 | 25.71 | 27.61 | | | | | | | | | | | 77.31 |
| | | | | | | | | | | | | | | | 5 | 1 | 55 | 51.10 | 100.50 | 77.50 |
| 5 | 2 | 12 | 33.58 | 162.61 | | | | | | | | | | | | | | | | 77.68 |
| | | | | | | | | | | 5 | 2 | 32 | 7.74 | -127.57 | | | | | | 77.88 |
| | | | | | 5 | 3 | 6 | 30.89 | -92.54 | | | | | | | | | | | 78.24 |
| | | | | | | | | | | | | | | | 5 | 3 | 24 | 21.95 | 78.48 | 78.45 |
| 5 | 3 | 41 | 3.30 | 140.36 | | | | | | | | | | | | | | | | 78.63 |
| | | | | | | | | | | 5 | 4 | 0 | 40.26 | -149.50 | | | | | | 78.81 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 5 | 4 | 35 | 7.16 | -13.07 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 79.19 |
| | | | | | | | | | | | | | | | 5 | 4 | 53 | 6.68 | 57.52 | |
| | | | | | | | | | | | | | | | | | | | | 79.41 |
| 5 | 5 | 9 | 41.34 | 118.55 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 79.56 |
| | | | | | | | | | | 5 | 5 | 29 | 13.45 | -171.35 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 79.77 |
| | | | | | 5 | 6 | 3 | 35.00 | -40.35 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 80.13 |
| | | | | | | | | | | | | | | | 5 | 6 | 21 | 41.40 | 35.79 | |
| | | | | | | | | | | | | | | | | | | | | 80.34 |
| 5 | 6 | 38 | 14.66 | 96.52 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 80.50 |
| | | | | | | | | | | 5 | 6 | 57 | 53.22 | 167.35 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 80.70 |
| | | | | | 5 | 7 | 32 | 4.93 | -62.50 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 81.06 |
| | | | | | | | | | | | | | | | 5 | 7 | 50 | 20.45 | 14.42 | |
| | | | | | | | | | | | | | | | | | | | | 81.27 |
| 5 | 8 | 6 | 44.72 | 74.34 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 81.43 |
| | | | | | | | | | | 5 | 8 | 26 | 26.90 | 145.61 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 81.64 |
| | | | | | 5 | 9 | 0 | 38.02 | -84.47 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 81.99 |
| | | | | | | | | | | | | | | | 5 | 9 | 19 | 5.20 | .12 | |
| | | | | | | | | | | | | | | | | | | | | 82.23 |
| 5 | 9 | 35 | 16.51 | 52.27 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 82.38 |
| | | | | | | | | | | 5 | 9 | 54 | 56.89 | 123.60 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 82.57 |
| | | | | | 5 | 10 | 29 | 11.36 | -106.39 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 82.95 |
| | | | | | | | | | | | | | | | 5 | 10 | 47 | 39.76 | -28.17 | |
| | | | | | | | | | | | | | | | | | | | | 83.16 |
| 5 | 11 | 3 | 51.55 | 30.38 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 83.32 |
| | | | | | | | | | | 5 | 11 | 23 | 35.59 | 102.30 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 83.53 |
| | | | | | 5 | 11 | 57 | 33.13 | -128.65 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 83.88 |
| | | | | | | | | | | | | | | | 5 | 12 | 16 | 18.43 | -49.51 | |
| | | | | | | | | | | | | | | | | | | | | 84.10 |
| 5 | 12 | 32 | 22.60 | 8.30 | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 84.25 |
| | | | | | | | | | | 5 | 12 | 52 | 10.96 | 80.78 | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 84.46 |
| | | | | | 5 | 13 | 26 | 6.39 | -150.78 | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 84.81 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 5 | 13 | 45 | 3.33 | -70.35 | 85.05 |
| 5 | 14 | 0 | 50.85 | -13.91 | | | | | | | | | | | | | | | | 85.19 |
| | | | | | | | | | | 5 | 14 | 20 | 42.04 | 58.95 | | | | | | 85.39 |
| | | | | | 5 | 14 | 54 | 38.59 | -172.74 | | | | | | | | | | | 85.75 |
| | | | | | | | | | | | | | | | 5 | 15 | 13 | 37.80 | -91.99 | 85.98 |
| 5 | 15 | 29 | 22.97 | -35.89 | | | | | | | | | | | | | | | | 86.14 |
| | | | | | | | | | | 5 | 15 | 49 | 14.43 | 37.24 | | | | | | 86.35 |
| | | | | | 5 | 16 | 23 | 10.54 | 165.34 | | | | | | | | | | | 86.70 |
| | | | | | | | | | | | | | | | 5 | 16 | 42 | 16.16 | -113.30 | 86.92 |
| 5 | 16 | 57 | 55.88 | -57.81 | | | | | | | | | | | | | | | | 87.07 |
| | | | | | | | | | | 5 | 17 | 17 | 52.22 | 16.01 | | | | | | 87.28 |
| | | | | | 5 | 17 | 51 | 35.84 | 143.09 | | | | | | | | | | | 87.64 |
| | | | | | | | | | | | | | | | 5 | 18 | 11 | .48 | -134.14 | 87.85 |
| 5 | 18 | 26 | 25.24 | -79.91 | | | | | | | | | | | | | | | | 88.01 |
| | | | | | | | | | | 5 | 18 | 46 | 24.84 | -5.61 | | | | | | 88.22 |
| | | | | | 5 | 19 | 20 | 2.85 | 120.94 | | | | | | | | | | | 88.57 |
| | | | | | | | | | | | | | | | 5 | 19 | 39 | 35.75 | -155.67 | 88.81 |
| 5 | 19 | 54 | 52.04 | -102.11 | | | | | | | | | | | | | | | | 88.94 |
| | | | | | | | | | | 5 | 20 | 14 | 54.25 | -27.46 | | | | | | 89.15 |
| | | | | | 5 | 20 | 48 | 32.36 | 98.96 | | | | | | | | | | | 89.50 |
| | | | | | | | | | | | | | | | 5 | 21 | 8 | 13.93 | -176.96 | 89.74 |
| 5 | 21 | 23 | 22.91 | -124.08 | | | | | | | | | | | | | | | | 89.89 |
| | | | | | | | | | | 5 | 21 | 43 | 30.37 | -48.74 | | | | | | 90.11 |
| | | | | | 5 | 22 | 17 | 4.65 | 77.14 | | | | | | | | | | | 90.46 |
| | | | | | | | | | | | | | | | 5 | 22 | 36 | 57.68 | 162.20 | 90.68 |
| 5 | 22 | 51 | 54.40 | -146.00 | | | | | | | | | | | | | | | | 90.83 |
| | | | | | | | | | | 5 | 23 | 12 | 5.15 | -70.10 | | | | | | 91.04 |

## TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
### (A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 5 | 23 | 45 | 28.13 | 54.88 | | | | | | | | | | | 91.39 |
| | | | | | | | | | | | | | | | 6 | 0 | 5 | 33.89 | 140.78 | 91.63 |
| 6 | 0 | 20 | 22.52 | -168.[illegible]8 | | | | | | | | | | | | | | | | 91.76 |
| | | | | | | | | | | 6 | 0 | 40 | 36.01 | -91.74 | | | | | | 91.97 |
| | | | | | 6 | 1 | 13 | 52.93 | 32.70 | | | | | | | | | | | 92.33 |
| | | | | | | | | | | | | | | | 6 | 1 | 34 | 12.01 | 119.53 | 92.57 |
| 6 | 1 | 48 | 48.18 | 169.73 | | | | | | | | | | | | | | | | 92.70 |
| | | | | | | | | | | 6 | 2 | 9 | 5.05 | -113.49 | | | | | | 92.93 |
| | | | | | 6 | 2 | 42 | 19.63 | 10.65 | | | | | | | | | | | 93.26 |
| | | | | | | | | | | | | | | | 6 | 3 | 2 | 55.39 | 98.69 | 93.50 |
| 6 | 3 | 17 | 16.05 | 147.58 | | | | | | | | | | | | | | | | 93.65 |
| | | | | | | | | | | 6 | 3 | 37 | 42.79 | -134.53 | | | | | | 93.87 |
| | | | | | 6 | 4 | 10 | 49.09 | -11.23 | | | | | | | | | | | 94.19 |
| | | | | | | | | | | | | | | | 6 | 4 | 31 | 32.45 | 77.38 | 94.45 |
| 6 | 4 | 45 | 46.78 | 125.80 | | | | | | | | | | | | | | | | 94.58 |
| | | | | | | | | | | 6 | 5 | 6 | 15.63 | -155.92 | | | | | | 94.80 |
| | | | | | 6 | 5 | 39 | 15.23 | -33.26 | | | | | | | | | | | 95.15 |
| | | | | | | | | | | | | | | | 6 | 6 | 0 | 10.68 | 56.17 | 95.39 |
| 6 | 6 | 14 | 14.12 | 103.76 | | | | | | | | | | | | | | | | 95.52 |
| | | | | | | | | | | 6 | 6 | 34 | 45.38 | -177.52 | | | | | | 95.73 |
| | | | | | 6 | 7 | 7 | 37.56 | -55.49 | | | | | | | | | | | 96.08 |
| | | | | | | | | | | | | | | | 6 | 7 | 28 | 53.92 | 35.34 | 96.32 |
| 6 | 7 | 42 | 38.98 | 81.61 | | | | | | | | | | | | | | | | 96.45 |
| | | | | | | | | | | 6 | 8 | 3 | 17.62 | 161.10 | | | | | | 96.69 |
| | | | | | 6 | 8 | 36 | 1.19 | -77.62 | | | | | | | | | | | 97.02 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 6 | 8 | 57 | 31.67 | 14.11 | 97.28 |
| 6 | 9 | 11 | 1.97 | 59.38 | | | | | | | | | | | | | | | | 97.39 |
| | | | | | | | | | | 6 | 9 | 31 | 53.12 | 140.00 | | | | | | 97.63 |
| | | | | | 6 | 10 | 4 | 26.63 | -99.62 | | | | | | | | | | | 97.95 |
| | | | | | | | | | | | | | | | 6 | 10 | 26 | 10.20 | -7.05 | 98.21 |
| 6 | 10 | 39 | 32.26 | 37.57 | | | | | | | | | | | | | | | | 98.34 |
| | | | | | | | | | | 6 | 11 | 0 | 24.73 | 118.63 | | | | | | 98.56 |
| | | | | | 6 | 11 | 32 | 54.66 | -121.46 | | | | | | | | | | | 98.89 |
| | | | | | | | | | | | | | | | 6 | 11 | 54 | 53.52 | -27.85 | 99.15 |
| 6 | 12 | 7 | 59.41 | 15.60 | | | | | | | | | | | | | | | | 99.28 |
| | | | | | | | | | | 6 | 12 | 28 | 53.85 | 97.11 | | | | | | 99.50 |
| | | | | | 6 | 13 | 1 | 17.40 | -143.57 | | | | | | | | | | | 99.84 |
| | | | | | | | | | | | | | | | 6 | 13 | 23 | 31.78 | -49.02 | 100.10 |
| 6 | 13 | 36 | 23.87 | -6.48 | | | | | | | | | | | | | | | | 100.21 |
| | | | | | | | | | | 6 | 13 | 57 | 28.52 | 76.03 | | | | | | 100.45 |
| | | | | | 6 | 14 | 29 | 37.97 | -165.77 | | | | | | | | | | | 100.78 |
| | | | | | | | | | | | | | | | 6 | 14 | 52 | 10.75 | -70.12 | 101.04 |
| 6 | 15 | 4 | 46.33 | -28.66 | | | | | | | | | | | | | | | | 101.15 |
| | | | | | | | | | | 6 | 15 | 26 | 2.55 | 54.93 | | | | | | 101.39 |
| | | | | | 6 | 15 | 57 | 59.59 | 172.10 | | | | | | | | | | | 101.71 |
| | | | | | | | | | | | | | | | 6 | 16 | 20 | 54.37 | -90.90 | 101.97 |
| 6 | 16 | 33 | 9.23 | -50.78 | | | | | | | | | | | | | | | | 102.10 |
| | | | | | | | | | | 6 | 16 | 54 | 33.45 | 33.62 | | | | | | 102.32 |
| | | | | | 6 | 17 | 26 | 22.65 | 150.08 | | | | | | | | | | | 102.65 |
| | | | | | | | | | | | | | | | 6 | 17 | 49 | 32.93 | -112.02 | 102.93 |
| 6 | 18 | 1 | 37.05 | -72.62 | | | | | | | | | | | | | | | | 103.03 |
| | | | | | | | | | | 6 | 18 | 23 | 2.34 | 12.20 | | | | | | 103.26 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | | | | | | | 103.58 |
| | | | | | | | | | | | | | | | | | | | | | | | 103.86 |
| | | | | | | | | | | | | | | | | | | | | | | | 103.97 |
| | | | | | | | | | | | | | | | | | | | | | | | 104.22 |
| | | | | | | | | | | | | | | | | | | | | | | | 104.54 |
| | | | | | | | | | | | | | | | | | | | | | | | 104.80 |
| | | | | | | | | | | | | | | | | | | | | | | | 104.91 |
| | | | | | | | | | | | | | | | | | | | | | | | 105.15 |
| | | | | | | | | | | | | | | | | | | | | | | | 105.47 |
| | | | | | | | | | | | | | | | | | | | | | | | 105.75 |
| | | | | | | | | | | | | | | | | | | | | | | | 105.84 |
| | | | | | | | | | | | | | | | | | | | | | | | 106.09 |
| | | | | | | | | | | | | | | | | | | | | | | | 106.41 |
| | | | | | | | | | | | | | | | | | | | | | | | 106.69 |
| | | | | | | | | | | | | | | | | | | | | | | | 106.79 |
| | | | | | | | | | | | | | | | | | | | | | | | 107.05 |
| | | | | | | | | | | | | | | | | | | | | | | | 107.34 |
| | | | | | | | | | | | | | | | | | | | | | | | 107.62 |
| | | | | | | | | | | | | | | | | | | | | | | | 107.73 |
| | | | | | | | | | | | | | | | | | | | | | | | 107.97 |
| | | | | | | | | | | | | | | | | | | | | | | | 108.30 |
| | | | | | | | | | | | | | | | | | | | | | | | 108.58 |
| | | | | | | | | | | | | | | | | | | | | | | | 108.65 |
| | | | | | | | | | | | | | | | | | | | | | | | 108.92 |
| | | | | | | | | | | | | | | | | | | | | | | | 109.24 |
| 6 | 18 | 54 | 47.73 | 128.20 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 19 | 30 | 1.77 | -94.60 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 19 | 51 | 39.15 | -8.62 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 20 | 23 | 10.32 | 106.24 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 20 | 58 | 24.17 | -115.68 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 21 | 20 | 12.27 | -29.68 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 21 | 51 | 29.37 | 84.32 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 22 | 26 | 44.77 | -138.84 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 22 | 48 | 42.84 | -50.89 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 23 | 19 | 47.99 | 61.36 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | 23 | 55 | 4.41 | -161.04 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 17 | 14.95 | -71.97 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 0 | 48 | 7.34 | 39.79 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 1 | 12 | 59.90 | 143.44 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 1 | 23 | 30.52 | 177.16 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 1 | 45 | 46.20 | -93.08 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2 | 18 | 12.20 | 23.19 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2 | 44 | 47.24 | 127.76 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 2 | 52 | 37.08 | 151.93 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3 | 16 | 7.90 | -113.99 | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | 3 | 48 | 11.96 | -164.40 | | | | | | | | | | | | | | | | | | | |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 7 | 4 | 15 | 11.64 | 106.51 | 109.54 |
| 7 | 4 | 22 | 38.67 | 129.46 | | | | | | | | | | | | | | | | 109.59 |
| | | | | | | | | | | 7 | 4 | 46 | 21.63 | -135.36 | | | | | | 109.86 |
| | | | | | 7 | 5 | 18 | 11.48 | -21.74 | | | | | | | | | | | 110.17 |
| | | | | | | | | | | | | | | | 7 | 5 | 45 | 33.98 | 85.13 | 110.47 |
| 7 | 5 | 52 | 40.04 | 106.99 | | | | | | | | | | | | | | | | 110.52 |
| | | | | | | | | | | 7 | 6 | 16 | 35.32 | -156.72 | | | | | | 110.79 |
| | | | | | 7 | 6 | 48 | 10.74 | -44.21 | | | | | | | | | | | 111.11 |
| | | | | | | | | | | | | | | | 7 | 7 | 15 | 56.97 | 63.79 | 111.41 |
| 7 | 7 | 22 | 41.19 | 84.52 | | | | | | | | | | | | | | | | 111.46 |
| | | | | | | | | | | 7 | 7 | 46 | 49.04 | -178.06 | | | | | | 111.73 |
| | | | | | 7 | 8 | 18 | 9.77 | -66.67 | | | | | | | | | | | 112.05 |
| | | | | | | | | | | | | | | | 7 | 8 | 46 | 20.68 | 42.49 | 112.35 |
| 7 | 8 | 52 | 42.11 | 62.05 | | | | | | | | | | | | | | | | 112.40 |
| | | | | | | | | | | 7 | 9 | 17 | 2.84 | 160.60 | | | | | | 112.67 |
| | | | | | 7 | 9 | 48 | 8.55 | -89.14 | | | | | | | | | | | 112.99 |
| | | | | | | | | | | | | | | | 7 | 10 | 16 | 45.20 | 21.24 | 113.29 |
| 7 | 10 | 22 | 42.82 | 39.58 | | | | | | | | | | | | | | | | 113.34 |
| | | | | | | | | | | 7 | 10 | 47 | 19.66 | 139.47 | | | | | | 113.63 |
| | | | | | 7 | 11 | 18 | 7.10 | -111.60 | | | | | | | | | | | 113.92 |
| | | | | | | | | | | | | | | | 7 | 11 | 47 | 10.17 | 9.54 | 114.24 |
| 7 | 11 | 52 | 43.30 | 17.12 | | | | | | | | | | | | | | | | 114.27 |
| | | | | | | | | | | 7 | 12 | 17 | 37.27 | 118.37 | | | | | | 114.57 |
| | | | | | 7 | 12 | 48 | 5.41 | -134.07 | | | | | | | | | | | 114.86 |
| | | | | | | | | | | | | | | | 7 | 13 | 17 | 32.91 | -21.31 | 115.18 |
| 7 | 13 | 22 | 43.57 | -5.35 | | | | | | | | | | | | | | | | 115.21 |
| | | | | | | | | | | 7 | 13 | 47 | 54.46 | 97.26 | | | | | | 115.51 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 7 | 14 | 18 | 3.49 | -155.53 | | | | | | | | | | | | | 115.80 |
| | | | | | | | | | | | | | | | | | | 7 | 14 | 47 | 56.02 | -42.61 | 116.12 |
| 7 | 14 | 52 | 43.62 | -27.81 | | | | | | | | | | | | | | | | | | | 116.15 |
| | | | | | | | | | | | | 7 | 15 | 18 | 11.38 | 76.13 | | | | | | | 116.45 |
| | | | | | | 7 | 15 | 48 | 1.34 | -179.00 | | | | | | | | | | | | | 116.74 |
| | | | | | | | | | | | | | | | | | | 7 | 16 | 18 | 19.54 | -63.88 | 117.05 |
| 7 | 16 | 22 | 43.44 | -50.28 | | | | | | | | | | | | | | | | | | | 117.09 |
| | | | | | | | | | | | | 7 | 16 | 48 | 28.11 | 54.99 | | | | | | | 117.38 |
| | | | | | | 7 | 17 | 17 | 58.97 | 158.54 | | | | | | | | | | | | | 117.68 |
| | | | | | | | | | | | | | | | | | | 7 | 17 | 48 | 43.53 | -85.12 | 117.99 |
| 7 | 17 | 52 | 43.05 | -72.74 | | | | | | | | | | | | | | | | | | | 118.03 |
| | | | | | | | | | | | | 7 | 18 | 18 | 44.75 | 33.85 | | | | | | | 118.32 |
| | | | | | | 7 | 18 | 47 | 56.37 | 136.08 | | | | | | | | | | | | | 118.61 |
| | | | | | | | | | | | | | | | | | | 7 | 19 | 19 | 7.93 | -106.32 | 118.95 |
| 7 | 19 | 22 | 42.43 | -95.20 | | | | | | | | | | | | | | | | | | | 118.96 |
| | | | | | | | | | | | | 7 | 19 | 49 | 1.38 | 12.70 | | | | | | | 119.26 |
| | | | | | | 7 | 20 | 17 | 53.56 | 113.62 | | | | | | | | | | | | | 119.55 |
| | | | | | | | | | | | | | | | | | | 7 | 20 | 49 | 29.84 | -127.63 | 119.88 |
| 7 | 20 | 52 | 41.59 | -117.66 | | | | | | | | | | | | | | | | | | | 119.90 |
| | | | | | | | | | | | | 7 | 21 | 19 | 20.83 | -8.29 | | | | | | | 120.22 |
| | | | | | | 7 | 21 | 47 | 50.54 | 91.16 | | | | | | | | | | | | | 120.49 |
| | | | | | | | | | | | | | | | | | | 7 | 22 | 19 | 51.73 | -148.93 | 120.82 |
| 7 | 22 | 22 | 40.52 | -140.12 | | | | | | | | | | | | | | | | | | | 120.84 |
| | | | | | | | | | | | | 7 | 22 | 49 | 41.08 | -29.25 | | | | | | | 121.16 |
| | | | | | | 7 | 23 | 17 | 47.31 | 68.70 | | | | | | | | | | | | | 121.43 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 7 | 23 | 50 | 13.62 | -170.20 | 121.76 |
| 7 | 23 | 52 | 39.23 | -162.58 | | | | | | | | | | | | | | | | 121.78 |
| | | | | | | | | | | 8 | 0 | 20 | .72 | -50.25 | | | | | | 122.10 |
| | | | | | 8 | 0 | 47 | 43.88 | 46.24 | | | | | | | | | | | 122.37 |
| | | | | | | | | | | | | | | | 8 | 1 | 20 | 35.56 | 168.54 | 122.70 |
| 8 | 1 | 22 | 37.71 | 174.36 | | | | | | | | | | | | | | | | 122.71 |
| | | | | | | | | | | 8 | 1 | 50 | 19.88 | -71.28 | | | | | | 123.03 |
| | | | | | 8 | 2 | 17 | 40.27 | 23.79 | | | | | | | | | | | 123.31 |
| | | | | | | | | | | | | | | | 8 | 2 | 50 | 57.56 | 147.29 | 123.63 |
| 8 | 2 | 52 | 35.95 | 152.51 | | | | | | | | | | | | | | | | 123.65 |
| | | | | | | | | | | 8 | 3 | 20 | 38.66 | -92.34 | | | | | | 123.97 |
| | | | | | 8 | 3 | 47 | 36.46 | 89.73 | | | | | | | | | | | 124.24 |
| 8 | 4 | 22 | 33.96 | 130.05 | | | | | | | | | | | | | | | | 124.59 |
| | | | | | | | | | | | | | | | 8 | 4 | 21 | 18.16 | 126.01 | 124.59 |
| | | | | | | | | | | 8 | 4 | 50 | 57.16 | -113.42 | | | | | | 124.91 |
| | | | | | 8 | 5 | 17 | 32.47 | -21.10 | | | | | | | | | | | 125.18 |
| 8 | 5 | 52 | 31.73 | 107.60 | | | | | | | | | | | | | | | | 125.53 |
| | | | | | | | | | | | | | | | 8 | 5 | 51 | 37.33 | 104.69 | 125.53 |
| | | | | | | | | | | 8 | 6 | 21 | 17.45 | -134.41 | | | | | | 125.87 |
| | | | | | 8 | 6 | 47 | 28.30 | -43.54 | | | | | | | | | | | 126.12 |
| 8 | 7 | 22 | 29.25 | 85.14 | | | | | | | | | | | | | | | | 126.47 |
| | | | | | | | | | | | | | | | 8 | 7 | 21 | 56.09 | 83.36 | 126.47 |
| | | | | | | | | | | 8 | 7 | 51 | 39.20 | -155.36 | | | | | | 126.81 |
| | | | | | 8 | 8 | 17 | 23.97 | -65.97 | | | | | | | | | | | 127.06 |
| 8 | 8 | 52 | 26.52 | 62.59 | | | | | | | | | | | | | | | | 127.40 |
| | | | | | | | | | | | | | | | 8 | 8 | 52 | 14.46 | 62.04 | 127.40 |
| | | | | | | | | | | 8 | 9 | 22 | .02 | -176.36 | | | | | | 127.74 |

## TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

### (A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 8 | 9 | 47 | 19.46 | -88.40 | | | | | | | | | | | 128.00 |
| 8 | 10 | 22 | 23.52 | 40.23 | | | | | | | | | | | | | | | | 128.34 |
| | | | | | | | | | | | | | | | 8 | 10 | 22 | 32.45 | 40.71 | 128.34 |
| | | | | | | | | | | 8 | 10 | 52 | 20.04 | 162.59 | | | | | | 128.68 |
| | | | | | 8 | 11 | 17 | 14.80 | -110.33 | | | | | | | | | | | 128.94 |
| 8 | 11 | 52 | 20.27 | 17.78 | | | | | | | | | | | | | | | | 129.28 |
| | | | | | | | | | | | | | | | 8 | 11 | 52 | 50.07 | 19.39 | 129.28 |
| | | | | | | | | | | 8 | 12 | 22 | 39.36 | 141.50 | | | | | | 129.62 |
| | | | | | 8 | 12 | 47 | 9.98 | -133.25 | | | | | | | | | | | 129.88 |
| 8 | 13 | 22 | 16.73 | -4.58 | | | | | | | | | | | | | | | | 130.22 |
| | | | | | | | | | | | | | | | 8 | 13 | 23 | 7.28 | -1.09 | 130.24 |
| | | | | | | | | | | 8 | 13 | 52 | 58.09 | 120.37 | | | | | | 130.56 |
| | | | | | 8 | 14 | 17 | 4.12 | -155.72 | | | | | | | | | | | 130.79 |
| 8 | 14 | 52 | 12.91 | -27.14 | | | | | | | | | | | | | | | | 131.16 |
| | | | | | | | | | | | | | | | 8 | 14 | 53 | 21.92 | -23.34 | 131.18 |
| | | | | | | | | | | 8 | 15 | 23 | 18.45 | 99.31 | | | | | | 131.52 |
| | | | | | 8 | 15 | 46 | 56.78 | -178.26 | | | | | | | | | | | 131.73 |
| 8 | 16 | 22 | 8.79 | -49.60 | | | | | | | | | | | | | | | | 132.09 |
| | | | | | | | | | | | | | | | 8 | 16 | 23 | 35.85 | -44.76 | 132.11 |
| | | | | | | | | | | 8 | 16 | 53 | 39.74 | 78.28 | | | | | | 132.45 |
| | | | | | 8 | 17 | 16 | 49.35 | 159.20 | | | | | | | | | | | 132.67 |
| 8 | 17 | 52 | 4.36 | -72.07 | | | | | | | | | | | | | | | | 133.03 |
| | | | | | | | | | | | | | | | 8 | 17 | 53 | 49.09 | -66.19 | 133.05 |
| | | | | | | | | | | 8 | 18 | 23 | 59.82 | 57.19 | | | | | | 133.39 |
| | | | | | 8 | 18 | 46 | 41.84 | 136.67 | | | | | | | | | | | 133.61 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| 8 | 19 | 21 | 59.61 | -94.53 | | | | | | | | | | | | | | | | 133.97 |
| | | | | | | | | | | | | | | | 8 | 19 | 24 | 1.65 | -87.64 | 133.99 |
| | | | | | | | | | | 8 | 19 | 54 | 18.83 | 36.04 | | | | | | 134.33 |
| | | | | | 8 | 20 | 16 | 34.25 | 114.15 | | | | | | | | | | | 134.55 |
| 8 | 20 | 51 | 54.51 | -117.31 | | | | | | | | | | | | | | | | 134.91 |
| | | | | | | | | | | | | | | | 8 | 20 | 54 | 13.52 | -109.10 | 134.93 |
| | | | | | | | | | | 8 | 21 | 24 | 36.87 | 14.83 | | | | | | 135.27 |
| | | | | | 8 | 21 | 46 | 26.60 | 91.64 | | | | | | | | | | | 135.49 |
| 8 | 22 | 21 | 49.04 | -139.49 | | | | | | | | | | | | | | | | 135.85 |
| | | | | | | | | | | | | | | | 8 | 22 | 24 | 24.70 | -130.58 | 135.87 |
| | | | | | | | | | | 8 | 22 | 54 | 54.05 | -6.41 | | | | | | 136.21 |
| | | | | | 8 | 23 | 16 | 18.88 | 69.14 | | | | | | | | | | | 136.43 |
| 8 | 23 | 51 | 43.19 | -161.98 | | | | | | | | | | | | | | | | 136.79 |
| | | | | | | | | | | | | | | | 8 | 23 | 54 | 35.20 | -152.07 | 136.81 |
| | | | | | | | | | | 9 | 0 | 25 | 11.27 | -27.66 | | | | | | 137.16 |
| | | | | | 9 | 0 | 46 | 11.12 | 46.66 | | | | | | | | | | | 137.36 |
| 9 | 1 | 21 | 36.91 | 175.52 | | | | | | | | | | | | | | | | 137.73 |
| | | | | | | | | | | | | | | | 9 | 1 | 24 | 45.01 | -173.58 | 137.75 |
| | | | | | | | | | | 9 | 1 | 55 | 30.55 | -43.81 | | | | | | 138.10 |
| | | | | | 9 | 2 | 16 | 3.30 | 24.19 | | | | | | | | | | | 138.30 |
| 9 | 2 | 51 | 30.20 | 153.01 | | | | | | | | | | | | | | | | 138.66 |
| | | | | | | | | | | | | | | | 9 | 2 | 54 | 54.12 | 164.90 | 138.68 |
| | | | | | | | | | | 9 | 3 | 25 | 48.45 | -70.02 | | | | | | 139.04 |
| | | | | | 9 | 3 | 45 | 55.44 | 147.04 | | | | | | | | | | | 139.24 |
| 9 | 4 | 21 | 22.99 | 130.49 | | | | | | | | | | | | | | | | 139.60 |
| | | | | | | | | | | | | | | | 9 | 4 | 25 | 2.52 | 143.36 | 139.62 |
| | | | | | | | | | | 9 | 4 | 56 | 5.10 | -91.29 | | | | | | 139.98 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 9 | 5 | 15 | 47.54 | -23.72 | | | | | | | | | | | 140.18 |
| 9 | 5 | 51 | 15.25 | 107.94 | | | | | | | | | | | | | | | | 140.54 |
| | | | | | | | | | | | | | | | 9 | 5 | 55 | 9.68 | 121.79 | 140.58 |
| | | | | | | | | | | 9 | 6 | 26 | 20.62 | -112.62 | | | | | | 140.92 |
| | | | | | 9 | 6 | 45 | 39.59 | -43.15 | | | | | | | | | | | 141.12 |
| 9 | 7 | 21 | 6.95 | 85.38 | | | | | | | | | | | | | | | | 141.46 |
| | | | | | | | | | | | | | | | 9 | 7 | 25 | 15.41 | 100.16 | 141.52 |
| | | | | | | | | | | 9 | 7 | 56 | 35.09 | -133.99 | | | | | | 141.86 |
| | | | | | 9 | 8 | 15 | 31.61 | -65.57 | | | | | | | | | | | 142.06 |
| 9 | 8 | 51 | .97 | 62.38 | | | | | | | | | | | | | | | | 142.40 |
| | | | | | | | | | | | | | | | 9 | 8 | 55 | 20.42 | 78.52 | 142.46 |
| | | | | | | | | | | 9 | 9 | 26 | 48.58 | -155.40 | | | | | | 142.79 |
| | | | | | 9 | 9 | 45 | 23.58 | -37.97 | | | | | | | | | | | 143.00 |
| 9 | 10 | 20 | 54.70 | 40.58 | | | | | | | | | | | | | | | | 143.34 |
| | | | | | | | | | | | | | | | 9 | 10 | 25 | 24.72 | 56.85 | 143.40 |
| | | | | | | | | | | 9 | 10 | 57 | 1.16 | -176.85 | | | | | | 143.73 |
| | | | | | 9 | 11 | 15 | 15.52 | -110.36 | | | | | | | | | | | 143.94 |
| 9 | 11 | 50 | 48.39 | 18.17 | | | | | | | | | | | | | | | | 144.28 |
| | | | | | | | | | | | | | | | 9 | 11 | 55 | 28.32 | 35.16 | 144.34 |
| | | | | | | | | | | 9 | 12 | 27 | 14.58 | 161.76 | | | | | | 144.69 |
| | | | | | 9 | 12 | 45 | 7.41 | -132.73 | | | | | | | | | | | 144.88 |
| 9 | 13 | 20 | 41.15 | -4.23 | | | | | | | | | | | | | | | | 145.22 |
| | | | | | | | | | | | | | | | 9 | 13 | 25 | 31.25 | 13.46 | 145.28 |
| | | | | | | | | | | 9 | 13 | 57 | 28.45 | 140.40 | | | | | | 145.63 |
| | | | | | 9 | 14 | 14 | 55.59 | -155.34 | | | | | | | | | | | 145.79 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(A) CSM - CONCLUDED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| 9 | 14 | 50 | 33.83 | -26.65 | | | | | | | | | | | | | | | | 146.15 |
| | | | | | | | | | | | | | | | 9 | 14 | 55 | 33.52 | -8.26 | 146.22 |
| | | | | | | | | | | 9 | 15 | 27 | 41.10 | 119.00 | | | | | | 146.57 |
| | | | | | 9 | 15 | 44 | 43.33 | -177.93 | | | | | | | | | | | 146.73 |
| 9 | 16 | 20 | 26.11 | -49.07 | | | | | | | | | | | | | | | | 147.09 |
| | | | | | | | | | | | | | | | 9 | 16 | 25 | 35.13 | -30.00 | 147.16 |
| | | | | | | | | | | 9 | 16 | 57 | 52.63 | 97.55 | | | | | | 147.51 |
| | | | | | 9 | 17 | 14 | 32.31 | 159.52 | | | | | | | | | | | 147.67 |
| 9 | 17 | 50 | 17.95 | -71.51 | | | | | | | | | | | | | | | | 148.03 |
| | | | | | | | | | | | | | | | 9 | 17 | 55 | 36.11 | -51.76 | 148.10 |
| | | | | | | | | | | 9 | 18 | 28 | 3.12 | 76.07 | | | | | | 148.44 |
| | | | | | 9 | 18 | 44 | 21.01 | 136.99 | | | | | | | | | | | 148.61 |
| 9 | 19 | 20 | 9.32 | -93.96 | | | | | | | | | | | | | | | | 148.97 |
| | | | | | | | | | | | | | | | 9 | 19 | 25 | 36.48 | -73.53 | 149.04 |
| | | | | | | | | | | 9 | 19 | 58 | 12.63 | 54.55 | | | | | | 149.38 |
| | | | | | 9 | 20 | 14 | 9.90 | 114.49 | | | | | | | | | | | 149.55 |
| 9 | 20 | 50 | .16 | -116.42 | | | | | | | | | | | | | | | | 149.91 |
| | | | | | | | | | | | | | | | 9 | 20 | 55 | 36.26 | -95.32 | 149.98 |
| | | | | | | | | | | 9 | 21 | 28 | 21.23 | 32.99 | | | | | | 150.32 |
| | | | | | 9 | 21 | 43 | 58.96 | 92.03 | | | | | | | | | | | 150.49 |
| 9 | 22 | 20 | 7.18 | -137.99 | | | | | | | | | | | | | | | | 150.84 |
| | | | | | | | | | | | | | | | 9 | 22 | 24 | 45.00 | -120.39 | 150.89 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM

(ASSUMED LIFTOFF TIME = YEAR 1969. MONTH 2. 20 ' 0 ' 0 ' .00 )

START IN UMBRA AT T = 0 ' 2 ' 36 ' .00 SUN-LIGHT, EARTH-SHIELD

START IN UMBRA AT T = 0 ' 2 ' 36 ' .00 MOON-LIGHT, EARTH-SHIELD

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | REVOLUTION |
| 0 | 2 | 38 | 29.18 | 153.35 | | | | | | | | | | | | | | | | 2.66 |
| | | | | | | | | | | 0 | 2 | 50 | 47.20 | -165.94 | | | | | | 2.76 |
| | | | | | 0 | 3 | 32 | 31.41 | -5.02 | | | | | | | | | | | 3.21 |
| | | | | | | | | | | | | | | | 0 | 3 | 42 | 16.44 | 28.67 | 3.31 |
| 0 | 4 | 6 | 51.76 | 131.93 | | | | | | | | | | | | | | | | 3.59 |
| | | | | | | | | | | 0 | 4 | 19 | 18.13 | 172.47 | | | | | | 3.70 |
| | | | | | 0 | 5 | 0 | 55.72 | -27.01 | | | | | | | | | | | 4.15 |
| | | | | | | | | | | | | | | | 0 | 5 | 10 | 44.77 | 7.05 | 4.25 |
| 0 | 5 | 35 | 15.68 | 109.36 | | | | | | | | | | | | | | | | 4.53 |
| | | | | | | | | | | 0 | 5 | 47 | 48.47 | 150.82 | | | | | | 4.65 |
| | | | | | 0 | 6 | 29 | 42.26 | -47.98 | | | | | | | | | | | 5.09 |
| | | | | | | | | | | | | | | | 0 | 6 | 39 | 40.25 | -13.34 | 5.19 |
| 0 | 7 | 3 | 41.43 | 86.82 | | | | | | | | | | | | | | | | 5.47 |
| | | | | | | | | | | 0 | 7 | 16 | 35.57 | 128.76 | | | | | | 5.58 |
| | | | | | 0 | 7 | 58 | 28.27 | -70.13 | | | | | | | | | | | 6.03 |
| | | | | | | | | | | | | | | | 0 | 8 | 8 | 30.18 | -35.12 | 6.13 |
| 0 | 8 | 32 | 28.71 | 64.77 | | | | | | | | | | | | | | | | 6.41 |
| | | | | | | | | | | 0 | 8 | 45 | 29.74 | 107.02 | | | | | | 6.52 |
| | | | | | 0 | 9 | 27 | 14.32 | -92.26 | | | | | | | | | | | 6.97 |
| | | | | | | | | | | | | | | | 0 | 9 | 37 | 20.35 | -56.88 | 7.07 |
| 0 | 10 | 1 | 15.51 | 42.72 | | | | | | | | | | | | | | | | |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| | | | | |
|---|---|---|---|---|
| | | | | 7.35 |
| | | 0 10 14 22.47 85.26 | | |
| | | | | 7.46 |
| | 0 10 55 1.84 -114.35 | | | |
| | | | | 7.91 |
| | | | 0 11 6 10.76 -78.62 | |
| | | | | 8.01 |
| 0 11 30 1.77 20.61 | | | | |
| | | | | 8.29 |
| | | 0 11 43 14.73 63.48 | | |
| | | | | 8.40 |
| | 0 12 24 49.25 -136.43 | | | |
| | | | | 8.85 |
| | | | 0 12 35 1.38 -100.34 | |
| | | | | 8.95 |
| 0 12 58 47.37 6.58 | | | | |
| | | | | 9.23 |
| | | 0 13 12 6.46 41.68 | | |
| | | | | 9.35 |
| | 0 13 53 35.32 -158.57 | | | |
| | | | | 9.78 |
| | | | 0 14 3 52.19 -122.04 | |
| | | | | 9.89 |
| 0 14 27 34.55 -23.58 | | | | |
| | | | | 10.16 |
| | | 0 14 40 57.59 19.84 | | |
| | | | | 10.29 |
| | 0 15 22 21.35 179.30 | | | |
| | | | | 10.73 |
| | | | 0 15 32 42.37 -143.77 | |
| | | | | 10.82 |
| 0 15 56 21.51 -45.54 | | | | |
| | | | | 11.10 |
| | | 0 16 9 48.04 10.20 | | |
| | | | | 11.23 |
| | 0 16 51 7.90 157.19 | | | |
| | | | | 11.67 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 0 | 17 | 1 | 31.14 | -165.58 | 11.77 |
| 0 | 17 | 25 | 7.93 | -67.72 | | | | | | | | | | | | | | | | 12.04 |
| | | | | | | | | | | 0 | 17 | 38 | 39.74 | -23.81 | | | | | | 12.16 |
| | | | | | 0 | 18 | 19 | 54.89 | 135.11 | | | | | | | | | | | 12.61 |
| | | | | | | | | | | | | | | | 0 | 18 | 30 | 20.31 | 172.64 | 12.71 |
| 0 | 18 | 53 | 53.74 | -89.84 | | | | | | | | | | | | | | | | 12.98 |
| | | | | | | | | | | 0 | 19 | 7 | 31.48 | -45.58 | | | | | | 13.10 |
| | | | | | 0 | 19 | 48 | 41.54 | 113.01 | | | | | | | | | | | 13.54 |
| | | | | | | | | | | | | | | | 0 | 19 | 59 | 9.84 | 150.89 | 13.65 |
| 0 | 20 | 22 | 40.01 | -111.94 | | | | | | | | | | | | | | | | 13.91 |
| | | | | | | | | | | 0 | 20 | 36 | 22.71 | -67.38 | | | | | | 14.04 |
| | | | | | 0 | 21 | 17 | 27.04 | 90.36 | | | | | | | | | | | 14.48 |
| | | | | | | | | | | | | | | | 0 | 21 | 27 | 59.70 | 129.17 | 14.59 |
| 0 | 21 | 51 | 27.08 | -133.99 | | | | | | | | | | | | | | | | 14.85 |
| | | | | | | | | | | 0 | 22 | 5 | 11.81 | -89.30 | | | | | | 15.98 |
| | | | | | 0 | 22 | 47 | 22.10 | 72.01 | | | | | | | | | | | 15.43 |
| | | | | | | | | | | | | | | | 0 | 22 | 58 | 21.60 | 110.92 | 15.54 |
| 0 | 23 | 20 | 17.29 | -159.23 | | | | | | | | | | | | | | | | 15.79 |
| | | | | | | | | | | 0 | 23 | 35 | 13.04 | -111.24 | | | | | | 15.92 |
| | | | | | 1 | 0 | 17 | 22.52 | 49.61 | | | | | | | | | | | 16.37 |
| | | | | | | | | | | | | | | | 1 | 0 | 28 | 24.89 | 88.87 | 16.48 |
| 1 | 0 | 50 | 17.63 | 178.38 | | | | | | | | | | | | | | | | 16.72 |
| | | | | | | | | | | 1 | 1 | 5 | 17.84 | -133.36 | | | | | | 16.86 |
| | | | | | 1 | 1 | 46 | 54.26 | 28.17 | | | | | | | | | | | 17.30 |
| | | | | | | | | | | | | | | | 1 | 1 | 59 | 42.32 | 70.45 | 17.42 |
| 1 | 2 | 19 | 5.27 | 149.21 | | | | | | | | | | | | | | | | 17.64 |
| | | | | | | | | | | 1 | 2 | 36 | 17.58 | -155.32 | | | | | | 17.80 |

## TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
### (B) LM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 3 | 18 | 25.74 | 5.38 | | | | | | | | | | | 18.24 |
| | | | | | | | | | | | | | | | 1 | 3 | 31 | 17.99 | 48.08 | 18.37 |
| 1 | 3 | 50 | 36.29 | 126.59 | | | | | | | | | | | | | | | | 18.58 |
| | | | | | | | | | | 1 | 4 | 7 | 54.97 | -177.76 | | | | | | 18.73 |
| | | | | | 1 | 4 | 49 | 45.41 | -17.63 | | | | | | | | | | | 19.18 |
| | | | | | | | | | | | | | | | 1 | 5 | 2 | 50.77 | 25.71 | 19.30 |
| 1 | 5 | 22 | .66 | 103.51 | | | | | | | | | | | | | | | | 19.52 |
| | | | | | | | | | | 1 | 5 | 39 | 27.99 | 159.86 | | | | | | 19.67 |
| | | | | | 1 | 6 | 21 | 17.67 | -40.42 | | | | | | | | | | | 20.11 |
| | | | | | | | | | | | | | | | 1 | 6 | 34 | 27.50 | .39 | 20.23 |
| 1 | 6 | 53 | 30.89 | 83.72 | | | | | | | | | | | | | | | | 20.46 |
| | | | | | | | | | | 1 | 7 | 11 | 7.00 | 137.48 | | | | | | 20.61 |
| | | | | | 1 | 7 | 52 | 49.42 | -63.23 | | | | | | | | | | | 21.05 |
| | | | | | | | | | | | | | | | 1 | 8 | 6 | 1.84 | -19.11 | 21.18 |
| 1 | 8 | 25 | 2.56 | 58.31 | | | | | | | | | | | | | | | | 21.39 |
| | | | | | | | | | | 1 | 8 | 42 | 43.83 | 114.97 | | | | | | 21.55 |
| | | | | | 1 | 9 | 24 | 21.91 | -86.00 | | | | | | | | | | | 21.99 |
| | | | | | | | | | | | | | | | 1 | 9 | 37 | 37.80 | -41.48 | 22.12 |
| 1 | 9 | 56 | 32.98 | 35.23 | | | | | | | | | | | | | | | | 22.33 |
| | | | | | | | | | | 1 | 10 | 14 | 20.08 | 92.43 | | | | | | 22.48 |
| | | | | | 1 | 10 | 55 | 53.37 | -108.92 | | | | | | | | | | | 22.93 |
| | | | | | | | | | | | | | | | 1 | 11 | 9 | 12.85 | -63.90 | 23.05 |
| 1 | 11 | 28 | 4.57 | 12.59 | | | | | | | | | | | | | | | | 23.26 |
| | | | | | | | | | | 1 | 11 | 45 | 57.81 | 69.99 | | | | | | 23.42 |
| | | | | | 1 | 12 | 27 | 26.08 | -131.58 | | | | | | | | | | | 23.86 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 1 | 12 | 40 | 47.92 | -86.32 | 23.99 |
| 1 | 12 | 59 | 35.17 | -10.27 | | | | | | | | | | | | | | | | 24.20 |
| | | | | | | | | | | 1 | 13 | 17 | 32.94 | 47.40 | | | | | | 24.36 |
| | | | | | 1 | 13 | 58 | 57.25 | -154.41 | | | | | | | | | | | 24.80 |
| | | | | | | | | | | | | | | | 1 | 14 | 12 | 23.84 | -108.68 | 24.92 |
| 1 | 14 | 31 | 6.67 | -33.[illegible] | | | | | | | | | | | | | | | | 25.14 |
| | | | | | | | | | | 1 | 14 | 49 | 10.26 | 24.35 | | | | | | 25.30 |
| | | | | | 1 | 15 | 30 | 29.93 | -177.16 | | | | | | | | | | | 25.74 |
| | | | | | | | | | | | | | | | 1 | 15 | 43 | 57.97 | -131.14 | 25.86 |
| 1 | 16 | 2 | 37.45 | -55.77 | | | | | | | | | | | | | | | | 26.08 |
| | | | | | | | | | | 1 | 16 | 20 | 46.41 | 2.43 | | | | | | 26.24 |
| | | | | | 1 | 17 | 2 | 1.04 | 160.01 | | | | | | | | | | | 26.67 |
| | | | | | | | | | | | | | | | 1 | 17 | 15 | 33.78 | -153.49 | 26.81 |
| 1 | 17 | 34 | 8.85 | -73.[illegible] | | | | | | | | | | | | | | | | 27.01 |
| | | | | | | | | | | 1 | 17 | 52 | 21.43 | -20.16 | | | | | | 27.17 |
| | | | | | 1 | 18 | 33 | 33.48 | 137.24 | | | | | | | | | | | 27.61 |
| | | | | | | | | | | | | | | | 1 | 18 | 47 | 8.01 | -175.93 | 27.74 |
| 1 | 19 | 5 | 39.82 | -101.26 | | | | | | | | | | | | | | | | 27.95 |
| | | | | | | | | | | 1 | 19 | 23 | 58.39 | -42.61 | | | | | | 28.11 |
| | | | | | 1 | 20 | 5 | 4.74 | 114.43 | | | | | | | | | | | 28.54 |
| | | | | | | | | | | | | | | | 1 | 20 | 18 | 43.04 | 161.68 | 28.68 |
| 1 | 20 | 37 | 11.12 | -124.[illegible] | | | | | | | | | | | | | | | | 28.88 |
| | | | | | | | | | | 1 | 20 | 55 | 32.56 | -65.24 | | | | | | 29.05 |
| | | | | | 1 | 21 | 35 | 36.93 | 91.66 | | | | | | | | | | | 29.49 |
| | | | | | | | | | | | | | | | 1 | 21 | 50 | 18.08 | 139.29 | 29.61 |
| 1 | 22 | 8 | 42.26 | -146.74 | | | | | | | | | | | | | | | | 29.82 |
| | | | | | | | | | | 1 | 22 | 27 | 9.12 | -87.70 | | | | | | 29.98 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 1 | 23 | 8 | 8.33 | 68.85 | | | | | | | | | | | 30.42 |
| | | | | | | | | | | | | | | | 1 | 23 | 21 | 52.31 | 116.87 | 30.55 |
| 1 | 23 | 40 | 13.46 | -159.51 | | | | | | | | | | | | | | | | 30.76 |
| | | | | | | | | | | 1 | 23 | 58 | 44.25 | -110.26 | | | | | | 30.92 |
| | | | | | 2 | 0 | 39 | 40.27 | 45.07 | | | | | | | | | | | 31.36 |
| | | | | | | | | | | | | | | | 2 | 0 | 53 | 28.21 | 94.55 | 31.50 |
| 2 | 1 | 11 | 44.78 | 157.74 | | | | | | | | | | | | | | | | 31.70 |
| | | | | | | | | | | 2 | 1 | 30 | 18.80 | -132.84 | | | | | | 31.86 |
| | | | | | 2 | 2 | 10 | 4.79 | 21.92 | | | | | | | | | | | 32.28 |
| | | | | | | | | | | | | | | | 2 | 2 | 24 | 58.61 | 72.36 | 32.43 |
| 2 | 2 | 42 | 25.24 | 143.41 | | | | | | | | | | | | | | | | 32.63 |
| | | | | | | | | | | 2 | 3 | 1 | 49.18 | -153.95 | | | | | | 32.80 |
| | | | | | 2 | 3 | 41 | 35.22 | 168.38 | | | | | | | | | | | 33.23 |
| | | | | | | | | | | | | | | | 2 | 3 | 56 | 32.48 | 49.93 | 33.37 |
| 2 | 4 | 13 | 56.12 | 120.65 | | | | | | | | | | | | | | | | 33.56 |
| | | | | | | | | | | 2 | 4 | 33 | 24.20 | -176.49 | | | | | | 33.74 |
| | | | | | 2 | 5 | 13 | 7.30 | -23.67 | | | | | | | | | | | 34.17 |
| | | | | | | | | | | | | | | | 2 | 5 | 28 | 8.07 | 27.61 | 34.31 |
| 2 | 5 | 45 | 26.57 | 97.91 | | | | | | | | | | | | | | | | 34.50 |
| | | | | | | | | | | 2 | 6 | 4 | 58.42 | 160.93 | | | | | | 34.67 |
| | | | | | 2 | 6 | 42 | 30.91 | -51.69 | | | | | | | | | | | 35.08 |
| | | | | | | | | | | | | | | | 2 | 6 | 56 | 57.07 | -1.05 | 35.22 |
| 2 | 7 | 16 | 25.06 | 81.39 | | | | | | | | | | | | | | | | 35.46 |
| | | | | | | | | | | 2 | 7 | 34 | 1.57 | 139.51 | | | | | | 35.62 |
| | | | | | 2 | 8 | 11 | 47.36 | -73.31 | | | | | | | | | | | 36.02 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 2 | 8 | 26 | 14.69 | -23.00 | 36.17 |
| 2 | 8 | 45 | 40.11 | 59.67 | | | | | | | | | | | | | | | | 36.39 |
| | | | | | | | | | | 2 | 9 | 3 | 22.32 | 117.60 | | | | | | 36.56 |
| | | | | | 2 | 9 | 41 | 3.59 | -96.13 | | | | | | | | | | | 36.96 |
| | | | | | | | | | | | | | | | 2 | 9 | 55 | 33.31 | -44.88 | 37.10 |
| 2 | 10 | 14 | 54.58 | 37.43 | | | | | | | | | | | | | | | | 37.33 |
| | | | | | | | | | | 2 | 10 | 32 | 41.18 | 95.58 | | | | | | 37.49 |
| | | | | | 2 | 11 | 10 | 18.71 | -118.42 | | | | | | | | | | | 37.90 |
| | | | | | | | | | | | | | | | 2 | 11 | 24 | 53.51 | -66.65 | 38.04 |
| 2 | 11 | 44 | 10.41 | 15.25 | | | | | | | | | | | | | | | | 38.27 |
| | | | | | | | | | | 2 | 12 | 1 | 53.74 | 73.48 | | | | | | 38.44 |
| | | | | | 2 | 12 | 39 | 34.44 | -140.67 | | | | | | | | | | | 38.84 |
| | | | | | | | | | | | | | | | 2 | 12 | 54 | 11.50 | -88.56 | 38.99 |
| 2 | 13 | 13 | 26.08 | -6.93 | | | | | | | | | | | | | | | | 39.21 |
| | | | | | | | | | | 2 | 13 | 31 | 19.28 | 51.58 | | | | | | 39.37 |
| | | | | | 2 | 14 | 8 | 50.89 | -162.99 | | | | | | | | | | | 39.77 |
| | | | | | | | | | | | | | | | 2 | 14 | 23 | 29.64 | -110.45 | 39.92 |
| 2 | 14 | 42 | 41.26 | -29.15 | | | | | | | | | | | | | | | | 40.15 |
| | | | | | | | | | | 2 | 15 | 0 | 37.93 | 29.56 | | | | | | 40.31 |
| | | | | | 2 | 15 | 38 | 6.54 | 174.88 | | | | | | | | | | | 40.72 |
| | | | | | | | | | | | | | | | 2 | 15 | 52 | 49.26 | -132.23 | 40.86 |
| 2 | 16 | 11 | 55.46 | -51.39 | | | | | | | | | | | | | | | | 41.08 |
| | | | | | | | | | | 2 | 16 | 29 | 55.14 | 7.47 | | | | | | 41.24 |
| | | | | | 2 | 17 | 7 | 21.62 | 152.60 | | | | | | | | | | | 41.65 |
| | | | | | | | | | | | | | | | 2 | 17 | 22 | 7.77 | -154.08 | 41.81 |
| 2 | 17 | 41 | 11.36 | -73.57 | | | | | | | | | | | | | | | | 42.03 |
| | | | | | | | | | | 2 | 17 | 59 | 14.77 | -14.47 | | | | | | 42.19 |

## TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED
### (B) LM - CONTINUED

| | | | | | |
|---|---|---|---|---|---|
| 2 | 18 | 36 | 37.30 | 130.36 | |
| | | | | | 42.59 |
| 2 | 18 | 51 | 25.44 | -175.98 | |
| | | | | | 42.74 |
| 2 | 19 | 10 | 26.94 | -55.75 | |
| | | | | | 42.96 |
| 2 | 19 | 28 | 33.36 | -36.47 | |
| | | | | | 43.13 |
| 2 | 20 | 5 | 53.70 | 108.16 | |
| | | | | | 43.52 |
| 2 | 20 | 20 | 44.48 | 162.22 | |
| | | | | | 43.68 |
| 2 | 20 | 39 | 41.84 | -117.97 | |
| | | | | | 43.90 |
| 2 | 20 | 57 | 50.49 | -58.55 | |
| | | | | | 44.06 |
| 2 | 21 | 35 | 8.44 | 85.90 | |
| | | | | | 44.47 |
| 2 | 21 | 50 | 3.61 | 140.43 | |
| | | | | | 44.62 |
| 2 | 22 | 8 | 56.18 | -140.22 | |
| | | | | | 44.83 |
| 2 | 22 | 27 | 8.81 | -80.55 | |
| | | | | | 45.01 |
| 2 | 23 | 4 | 23.82 | 63.63 | |
| | | | | | 45.41 |
| 2 | 23 | 19 | 20.84 | 118.52 | |
| | | | | | 45.56 |
| 2 | 23 | 38 | 12.11 | -162.39 | |
| | | | | | 45.78 |
| 2 | 23 | 56 | 27.48 | -102.51 | |
| | | | | | 45.94 |
| 3 | 0 | 33 | 39.40 | 41.40 | |
| | | | | | 46.34 |
| 3 | 0 | 48 | 39.35 | 96.71 | |
| | | | | | 46.50 |
| 3 | 1 | 7 | 27.60 | 175.42 | |
| | | | | | 46.72 |
| 3 | 1 | 25 | 44.65 | -124.57 | |
| | | | | | 46.88 |
| 3 | 2 | 2 | 55.69 | 19.20 | |
| | | | | | 47.28 |
| 3 | 2 | 17 | 59.16 | 74.99 | |
| | | | | | 47.44 |
| 3 | 2 | 36 | 42.42 | 153.20 | |
| | | | | | 47.65 |
| 3 | 2 | 55 | 1.38 | -146.65 | |
| | | | | | 47.83 |
| 3 | 3 | 32 | 10.39 | -3.07 | |
| | | | | | 48.22 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 3 | 3 | 47 | 15.98 | 53.08 | 48.38 |
| 3 | 4 | 5 | 56.68 | 130.35 | | | | | | | | | | | | | | | | 48.59 |
| | | | | | | | | | | 3 | 4 | 24 | 20.29 | -168.58 | | | | | | 48.76 |
| | | | | | 3 | 5 | 1 | 25.23 | -25.33 | | | | | | | | | | | 49.16 |
| | | | | | | | | | | | | | | | 3 | 5 | 16 | 34.00 | 31.25 | 49.32 |
| 3 | 5 | 35 | 12.61 | 108.78 | | | | | | | | | | | | | | | | 49.53 |
| | | | | | | | | | | 3 | 5 | 53 | 37.62 | 169.40 | | | | | | 49.70 |
| | | | | | 3 | 6 | 39 | 40.65 | -47.56 | | | | | | | | | | | 50.09 |
| | | | | | | | | | | | | | | | 3 | 6 | 45 | 53.55 | 9.53 | 50.25 |
| 3 | 7 | 4 | 28.00 | 86.59 | | | | | | | | | | | | | | | | 50.47 |
| | | | | | | | | | | 3 | 7 | 22 | 53.72 | 147.30 | | | | | | 50.63 |
| | | | | | 3 | 7 | 59 | 56.77 | -69.75 | | | | | | | | | | | 51.03 |
| | | | | | | | | | | | | | | | 3 | 8 | 15 | 11.00 | -12.32 | 51.20 |
| 3 | 8 | 33 | 42.74 | 64.36 | | | | | | | | | | | | | | | | 51.40 |
| | | | | | | | | | | 3 | 8 | 52 | 11.76 | 125.33 | | | | | | 51.58 |
| | | | | | 3 | 9 | 29 | 11.12 | -92.02 | | | | | | | | | | | 51.98 |
| | | | | | | | | | | | | | | | 3 | 9 | 44 | 28.60 | -34.16 | 52.13 |
| 3 | 10 | 2 | 56.92 | 42.11 | | | | | | | | | | | | | | | | 52.34 |
| | | | | | | | | | | 3 | 10 | 21 | 29.39 | 103.35 | | | | | | 52.52 |
| | | | | | 3 | 10 | 58 | 25.77 | -114.23 | | | | | | | | | | | 52.91 |
| | | | | | | | | | | | | | | | 3 | 11 | 13 | 47.61 | -55.89 | 53.07 |
| 3 | 11 | 32 | 12.80 | 19.34 | | | | | | | | | | | | | | | | 53.29 |
| | | | | | | | | | | 3 | 11 | 50 | 45.72 | 81.29 | | | | | | 53.45 |
| | | | | | 3 | 12 | 27 | 40.97 | -136.51 | | | | | | | | | | | 53.85 |
| | | | | | | | | | | | | | | | 3 | 12 | 43 | 6.02 | -77.66 | 54.02 |
| 3 | 13 | 1 | 28.10 | -2.26 | | | | | | | | | | | | | | | | 54.22 |
| | | | | | | | | | | 3 | 13 | 20 | 1.84 | 59.22 | | | | | | 54.40 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONTINUED

(B) LM - CONTINUED

| | | | | |
|---|---|---|---|---|
| | 3 13 56 56.84 -158.70 | | | 54.78 |
| | | | 3 14 12 23.26 -99.50 | 54.95 |
| 3 14 30 42.75 -24.48 | | | | 55.16 |
| | | 3 14 49 19.94 37.29 | | 55.33 |
| | 3 15 26 10.95 179.03 | | | 55.73 |
| | | | 3 15 41 41.82 -121.25 | 55.89 |
| 3 15 59 56.84 -46.74 | | | | 56.09 |
| | | 3 16 18 36.62 15.28 | | 56.27 |
| | 3 16 55 25.36 156.77 | | | 56.66 |
| | | | 3 17 11 1.16 -142.93 | 56.84 |
| 3 17 29 12.61 -68.91 | | | | 57.04 |
| | | 3 17 47 52.18 -6.81 | | 57.21 |
| | 3 18 24 40.29 134.55 | | | 57.60 |
| | | | 3 18 40 18.12 -164.78 | 57.77 |
| 3 18 58 27.82 -91.11 | | | | 57.98 |
| | | 3 19 17 9.21 -28.79 | | 58.15 |
| | 3 19 53 55.85 112.36 | | | 58.54 |
| | | | 3 20 9 36.34 173.47 | 58.71 |
| 3 20 27 42.38 -113.34 | | | | 58.91 |
| | | 3 20 46 25.39 -50.75 | | 59.09 |
| | 3 21 23 9.74 90.09 | | | 59.48 |
| | | | 3 21 38 56.29 151.85 | 59.66 |
| 3 21 56 51.58 -135.90 | | | | 59.85 |
| | | 3 22 15 38.30 -73.53 | | 60.03 |
| | 3 22 52 18.18 67.06 | | | 60.41 |

TABLE VII - SPACECRAFT LIGHTING SUMMARY - CONCLUDED

(B) LM - CONCLUDED

| SUNRISE | | | | | SUNSET | | | | | MOONRISE | | | | | MOONSET | | | | | REVOLUTION |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | D | H | M | S | LONG | |
| | | | | | | | | | | | | | | | 3 | 23 | 8 | 6.63 | 129.37 | 60.59 |
| 3 | 23 | 26 | 6.46 | -158.11 | | | | | | | | | | | | | | | | 60.79 |
| | | | | | | | | | | 3 | 23 | 44 | 54.71 | -95.51 | | | | | | 60.96 |
| | | | | | 4 | 0 | 22 | 9.38 | 46.28 | | | | | | | | | | | 61.35 |
| | | | | | | | | | | | | | | | 4 | 0 | 37 | 57.35 | 108.51 | 61.53 |
| 4 | 0 | 55 | 56.21 | -179.60 | | | | | | | | | | | | | | | | 61.73 |
| | | | | | | | | | | 4 | 1 | 14 | 39.66 | -116.27 | | | | | | 61.91 |
| | | | | | 4 | 1 | 50 | 45.93 | 22.60 | | | | | | | | | | | 62.29 |
| | | | | | | | | | | | | | | | 4 | 2 | 6 | 44.11 | 85.96 | 62.47 |
| 4 | 2 | 24 | 42.49 | 157.91 | | | | | | | | | | | | | | | | 62.67 |
| | | | | | | | | | | 4 | 2 | 43 | 30.18 | -138.81 | | | | | | 62.85 |
| | | | | | 4 | 3 | 20 | 6.63 | -21.70 | | | | | | | | | | | 63.23 |
| | | | | | | | | | | | | | | | 4 | 3 | 36 | 8.25 | 64.91 | 63.40 |
| 4 | 3 | 53 | 54.89 | 135.57 | | | | | | | | | | | | | | | | 63.60 |
| | | | | | | | | | | 4 | 4 | 12 | 46.18 | -160.81 | | | | | | 63.78 |

TABLE VIII.- SPS DEORBIT MANEUVERS TO THE ENTRY INTERFACE

(a) Conditions at deorbit (ullage initiation)

| | |
|---|---|
| **Earth-fixed position** | |
| Longitude, deg W | 165.56 |
| Geodetic latitude, deg | 2.88 |
| Altitude, n. mi. | 187.95 |
| Time at ullage ignition, days:hr:min:sec. | 9:22:11:34 |
| **Inertial velocity vector** | |
| Velocity, fps | 25 116.88 |
| Flight-path angle, deg | -.51 |
| Azimuth angle, deg | 57.20 |

(b) Conditions at reentry (400 000 ft)

| | |
|---|---|
| **Earth-fixed position** | |
| Coast-time, sec | 1 117.00 |
| Longitude, deg W | -94.83 |
| Geodetic latitude, deg N | 32.64 |
| **Inertial velocity vector** | |
| Velocity, fps | 25 844.96 |
| Flight-path angle, deg | -1.59 |
| Azimuth angle, deg | 84.60 |
| Target latitude, deg N (open loop) | 30.10 |
| Target longitude, deg W (open loop) | 59.87 |

TABLE IX.- SM RCS DEORBIT MANEUVERS TO THE ENTRY INTERFACE

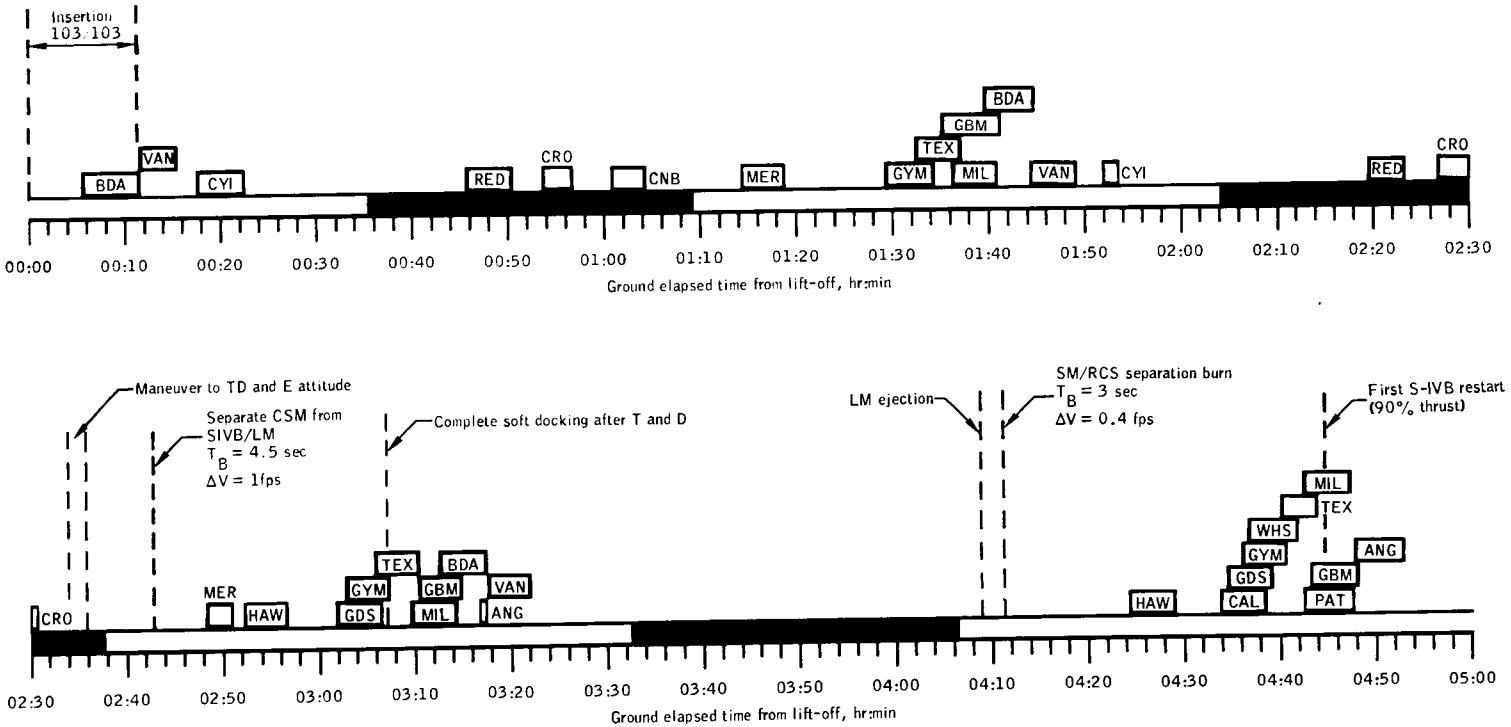
(a) Conditions at deorbit[a]

| | |
|---|---|
| **Earth-fixed position** | |
| Longitude, deg E | 124.41 |
| Geodetic latitude, deg | -25.20 |
| Altitude, n. mi. | 196.49 |
| Time, days:hr:min:sec g.e.t.[a] | 9:23:26:25.5 |
| **Inertial velocity vector** | |
| Velocity, fps | 24 064.79 |
| Flight-path angle, deg | .27 |
| Azimuth angle, deg | 67.98 |

(b) Conditions at reentry (400 000 ft)

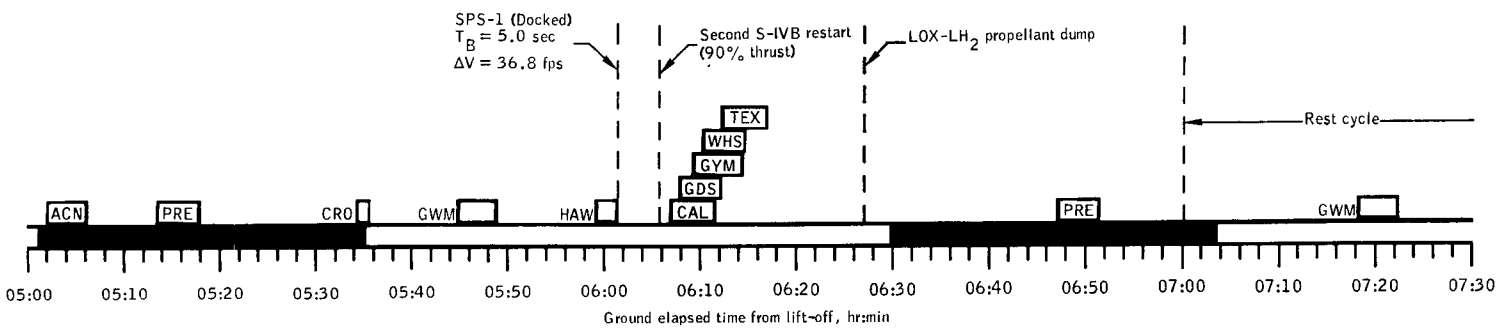
| | |
|---|---|
| **Earth-fixed position** | |
| Coast-time, sec | 1 999.00 |
| Longitude, deg W | 102.59 |
| Geodetic latitude, deg N | 32.90 |
| **Inertial velocity vector** | |
| Velocity, fps | 25 902.06 |
| Flight-path angle, deg | -1.00 |
| Azimuth angle, deg | 93.27 |
| Target latitude, deg N (open loop) | 22.21 |
| Target longitude, deg W (open loop) | 60.03 |

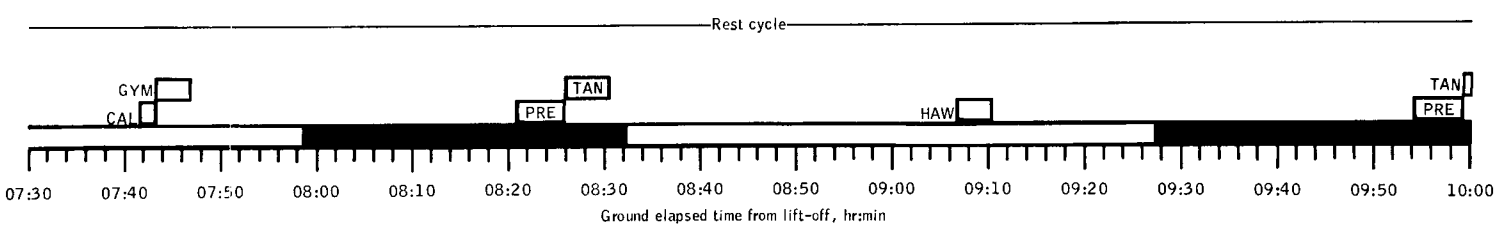
[a]At burn initiation.




(a) 0 hours to 5 hours.

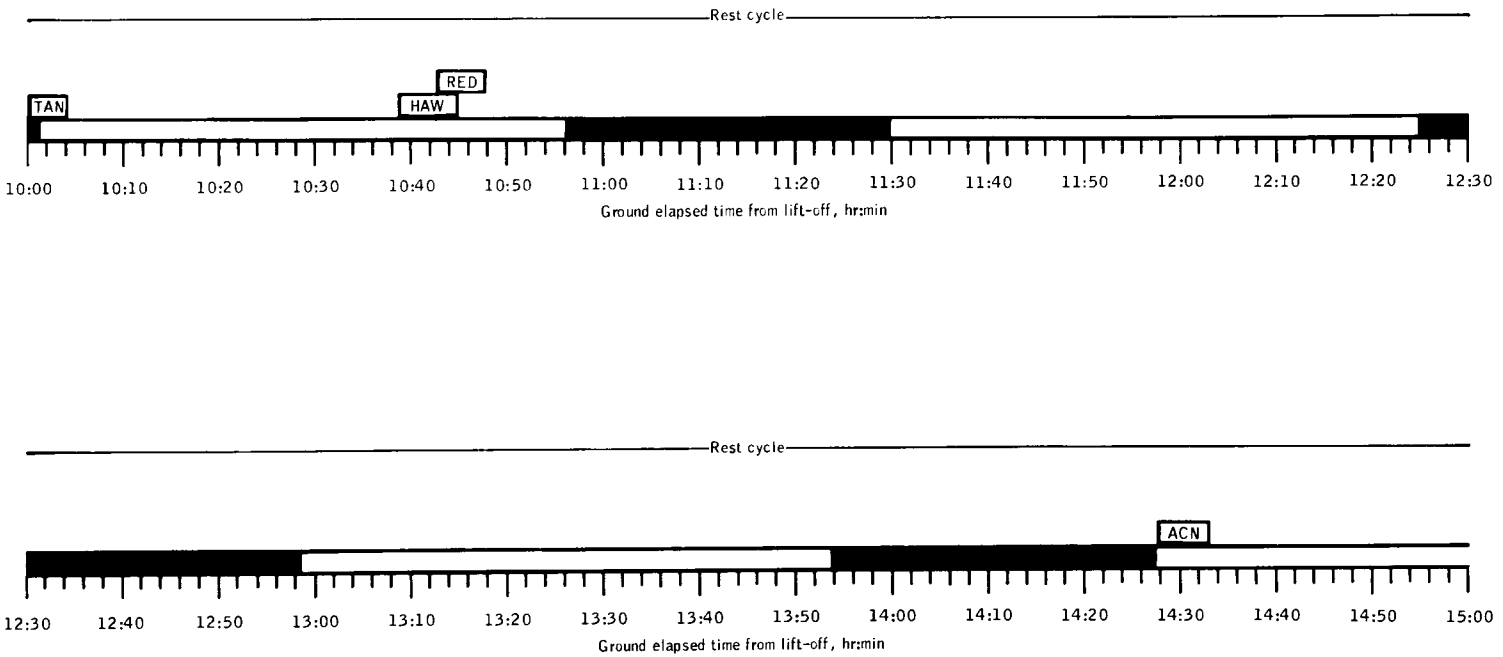
Figure 1.- Apollo 9 tracking, lighting, and mission events summary.



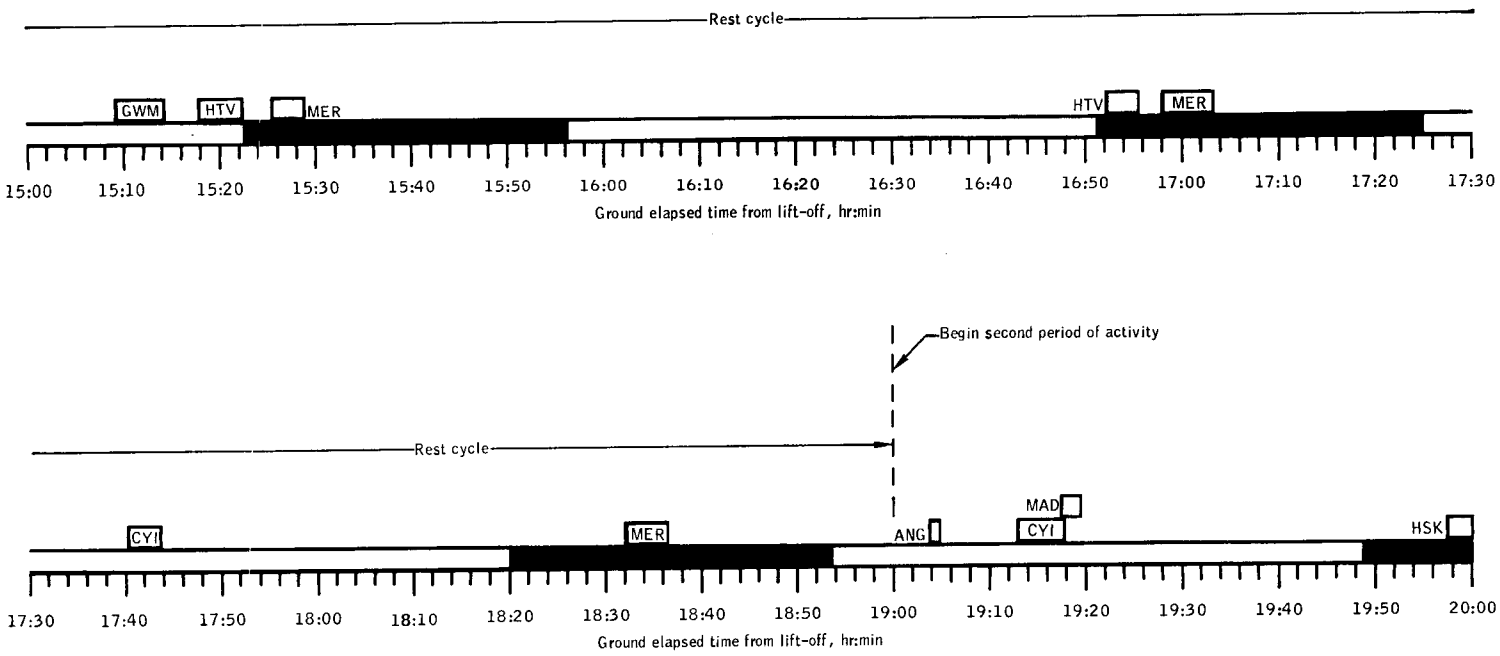

(b) 5 hours to 10 hours.

Figure 1.- Continued.



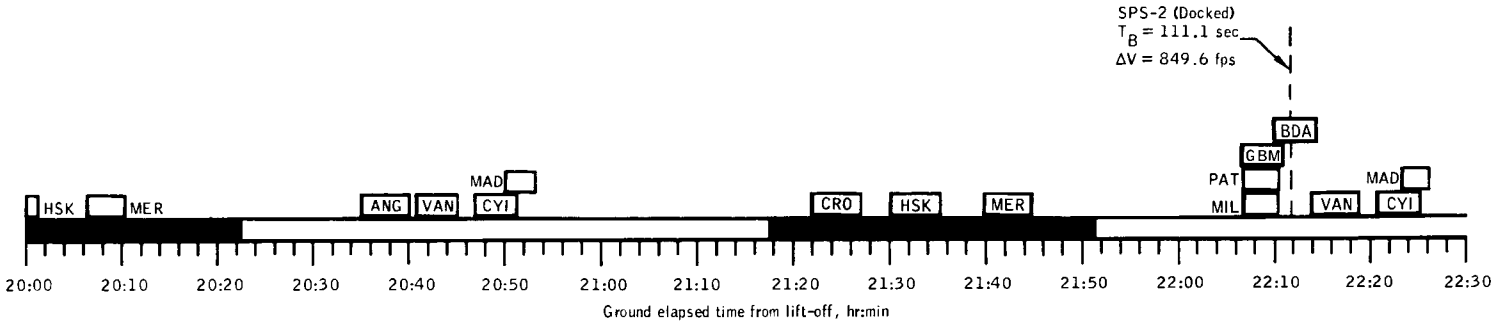

(c) 10 hours to 15 hours.

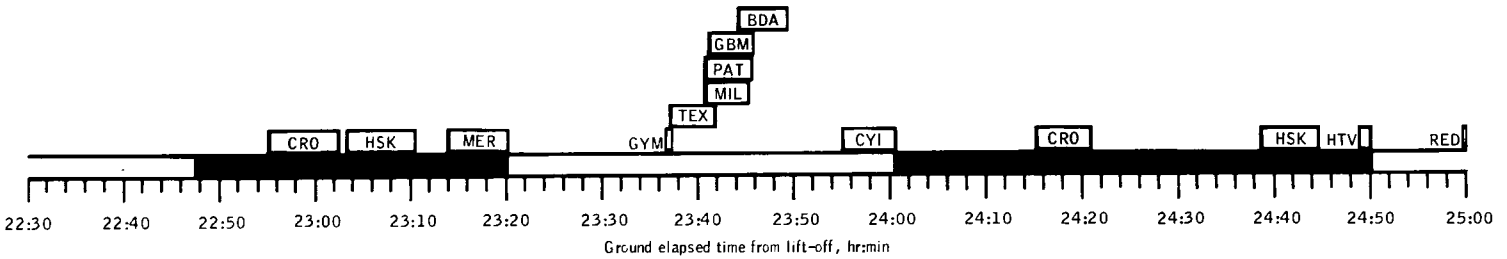
Figure 1.- Continued.




(d) 15 hours to 20 hours.

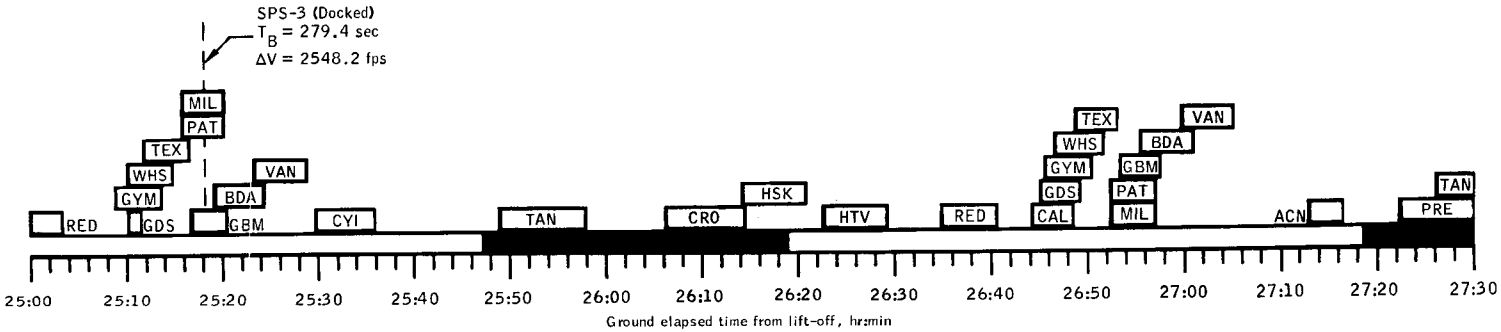
Figure 1.- Continued.

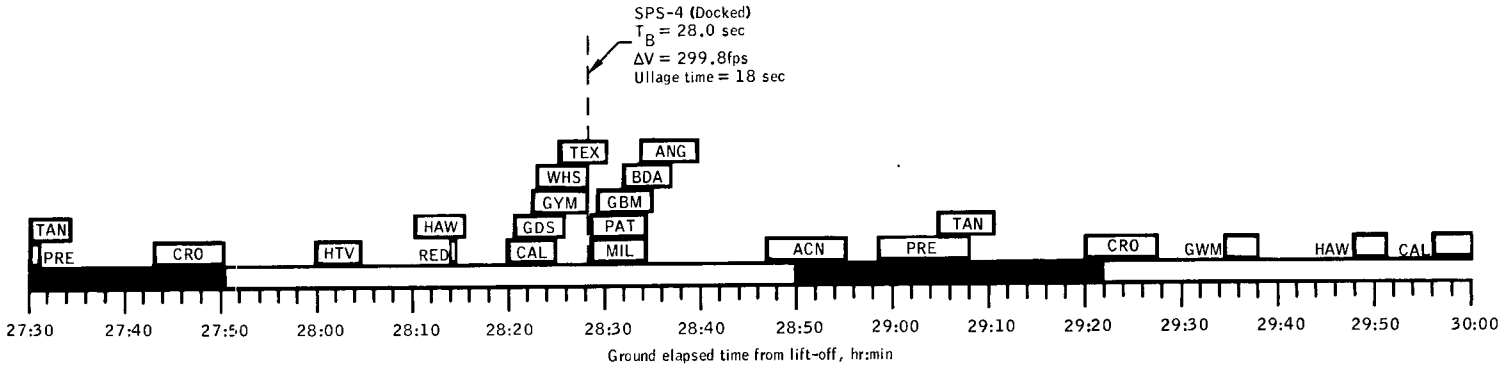



(e) 20 hours to 25 hours.

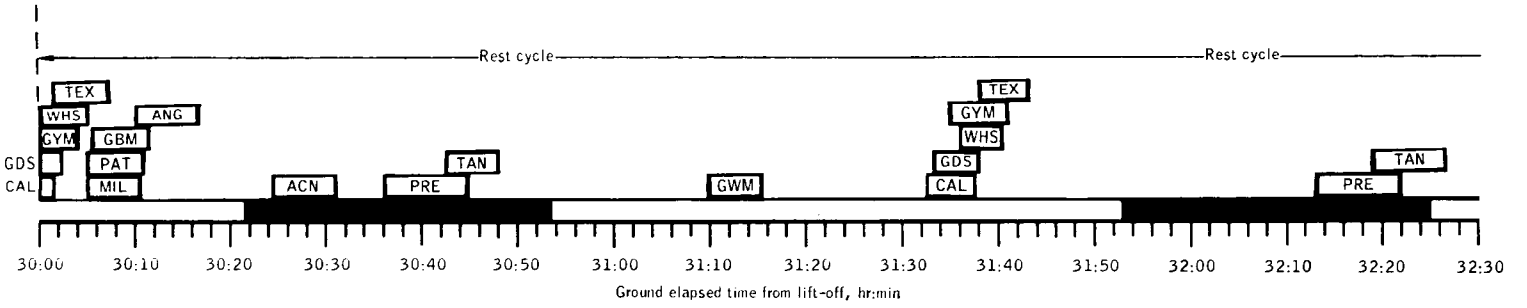
Figure 1.- Continued.

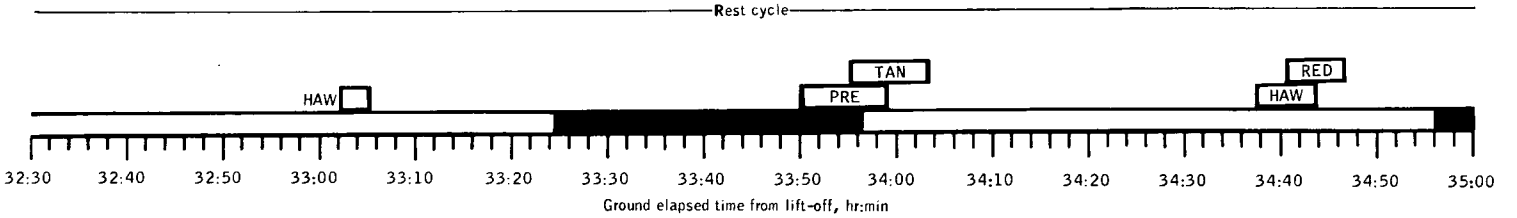



(f) 25 hours to 30 hours.

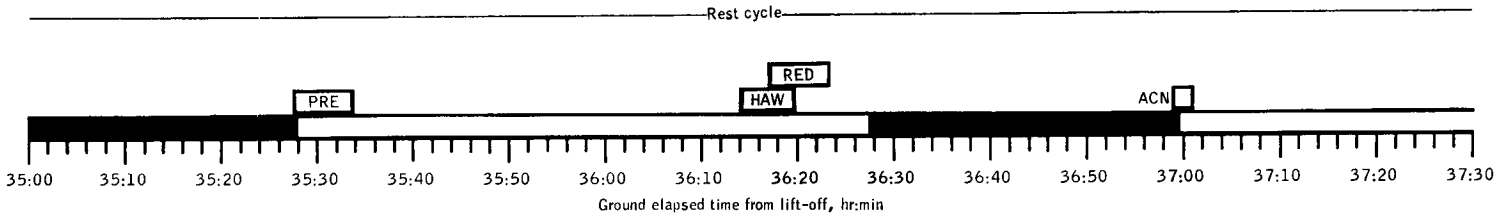
Figure 1.- Continued.

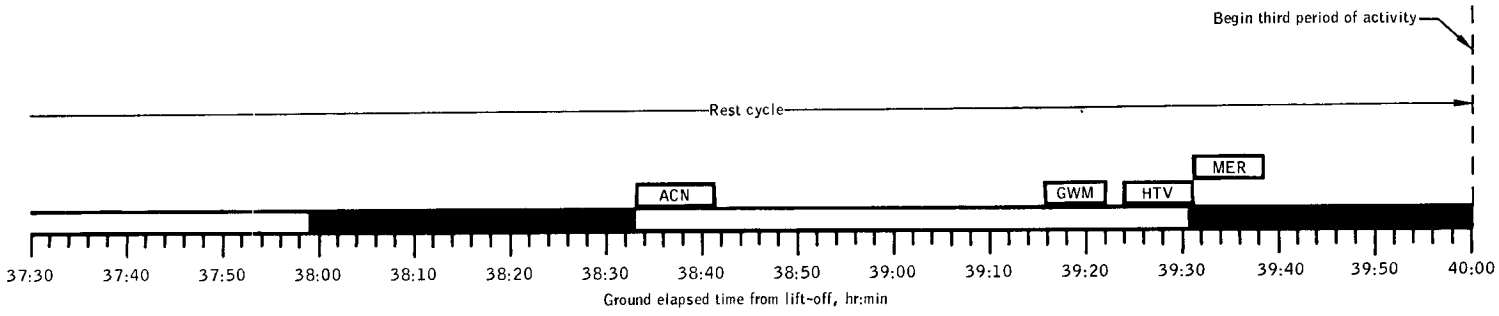



(g) 30 hours to 35 hours.

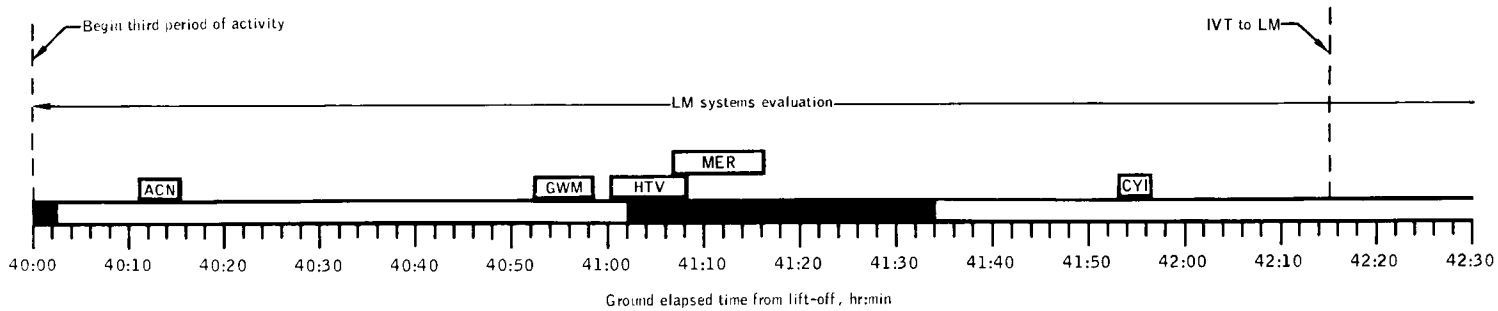
Figure 1.- Continued.

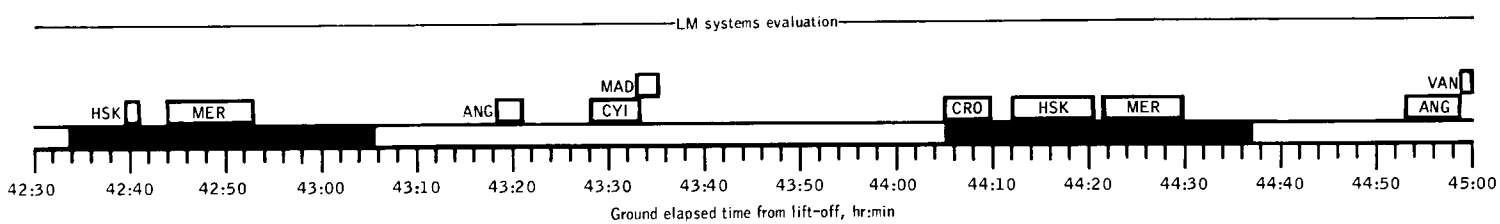



(h) 35 hours to 40 hours.

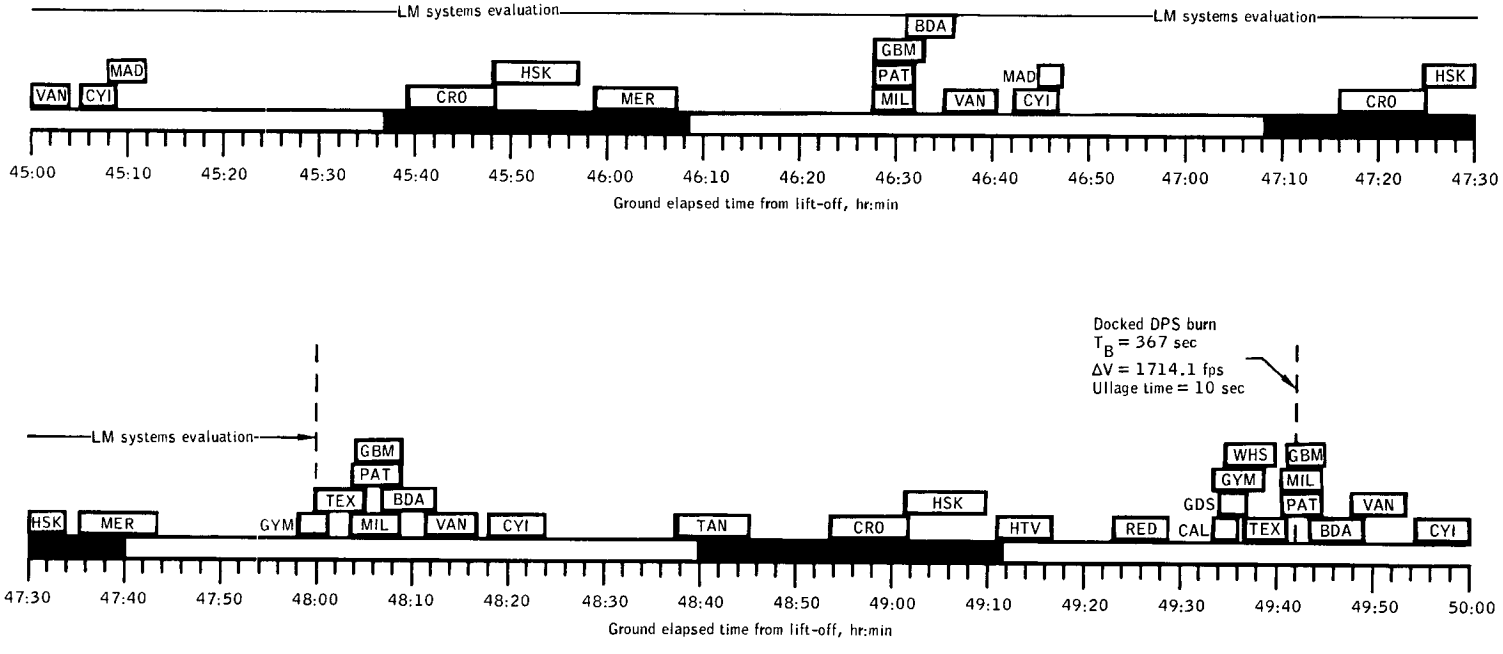
Figure 1.- Continued.



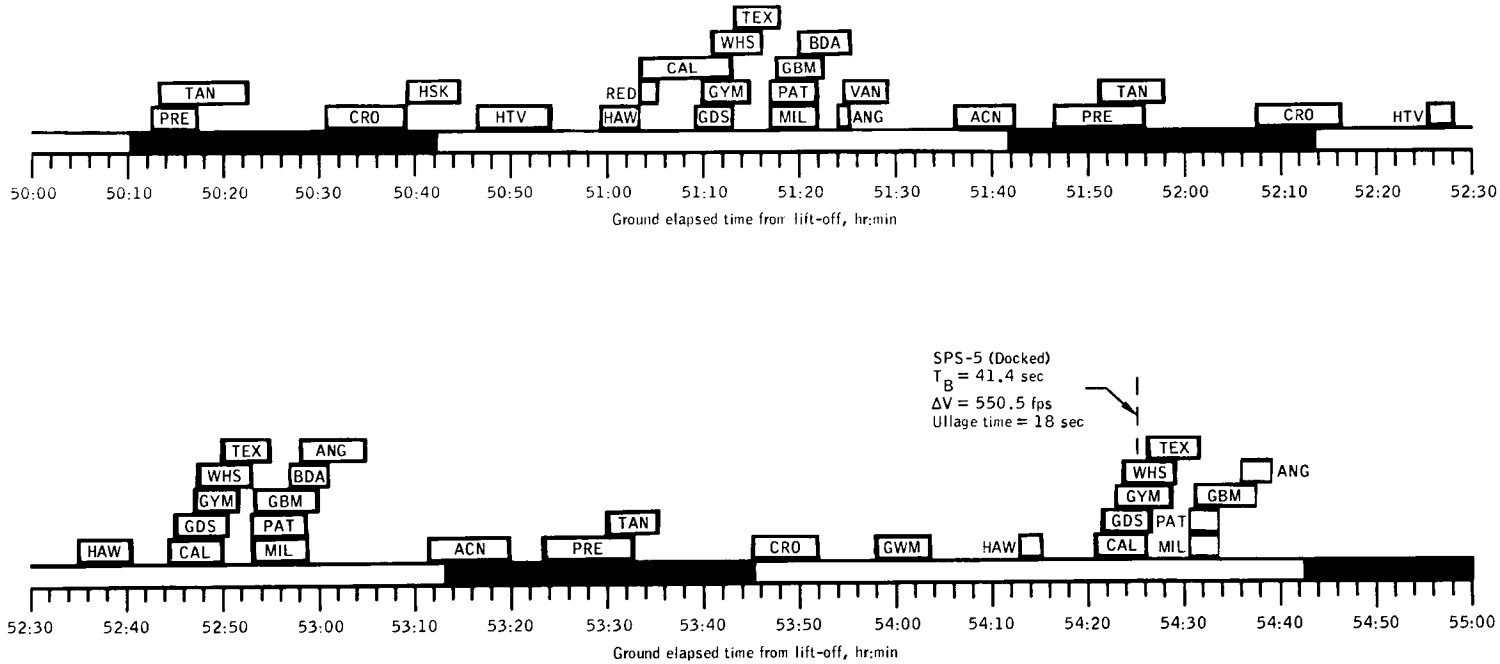

(i) 40 hours to 45 hours.

Figure 1.- Continued.



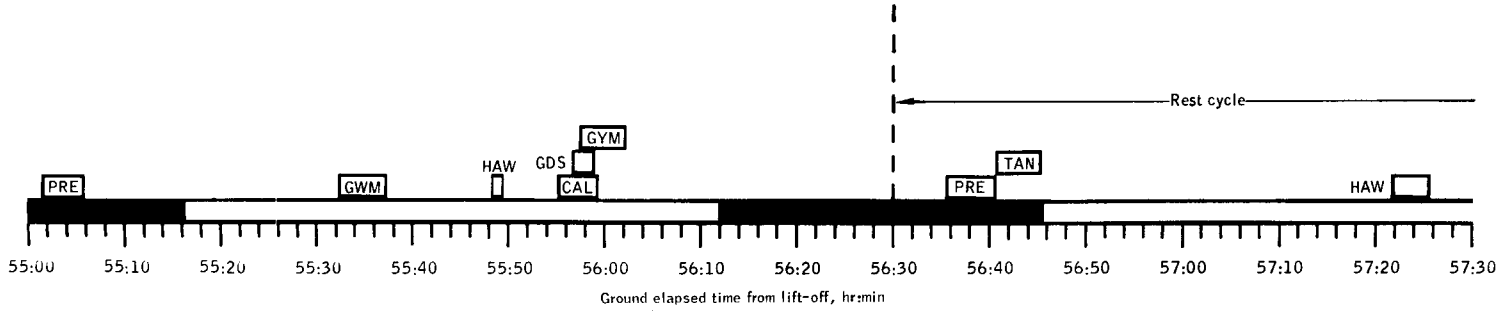

(j) 45 hours to 50 hours.

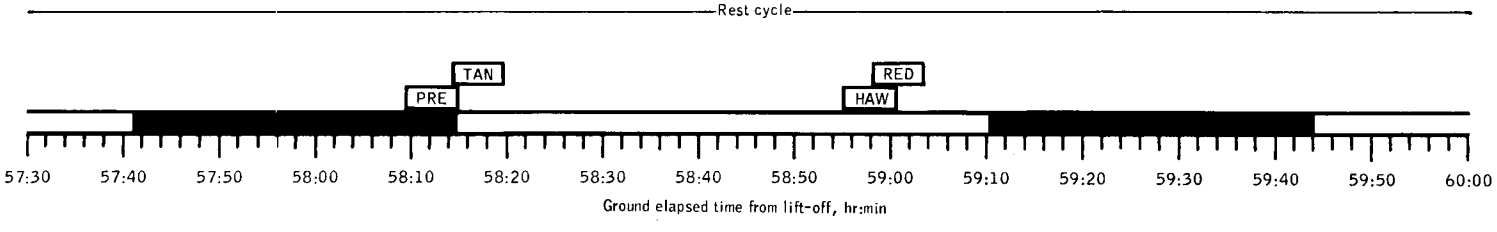
Figure 1.- Continued.




(k) 50 hours to 55 hours.

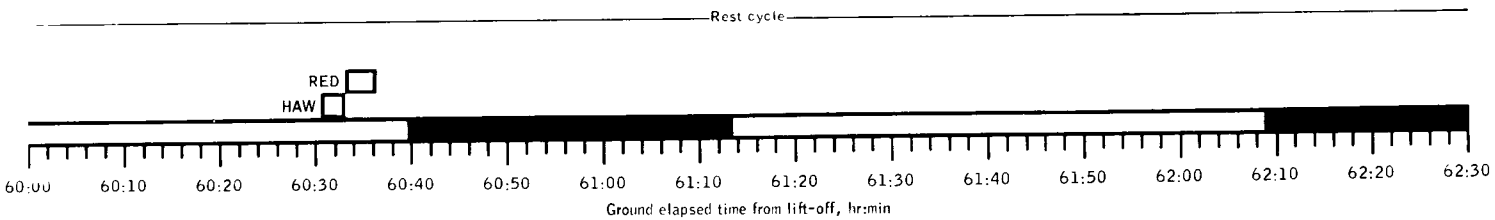
Figure 1.- Continued.

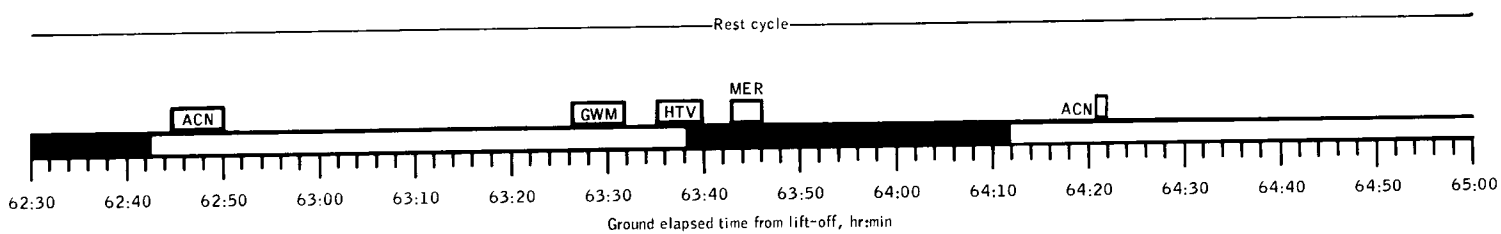



(l) 55 hours to 60 hours.

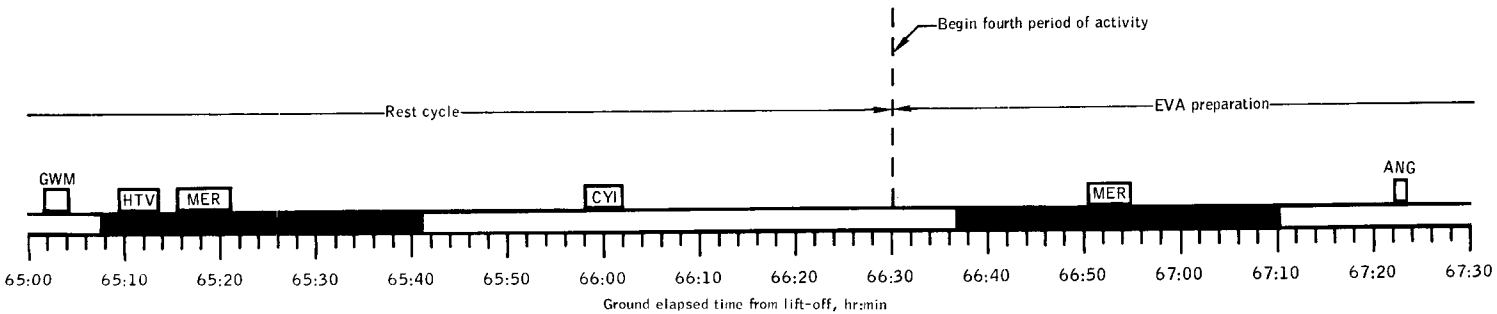
Figure 1.- Continued.

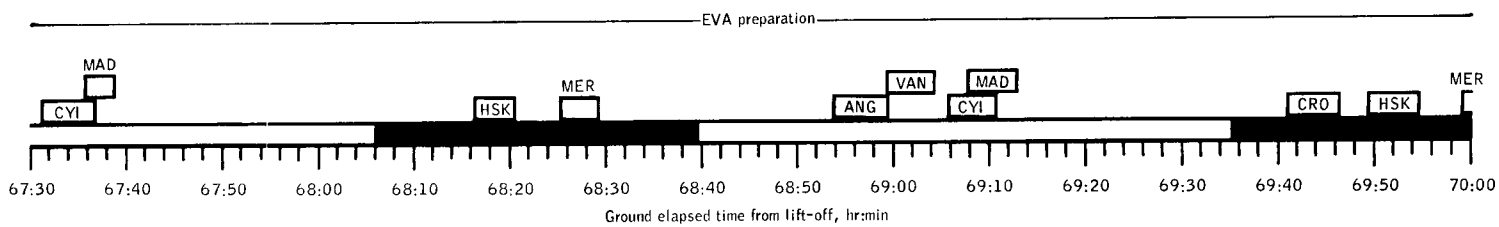



(m) 60 hours to 65 hours.

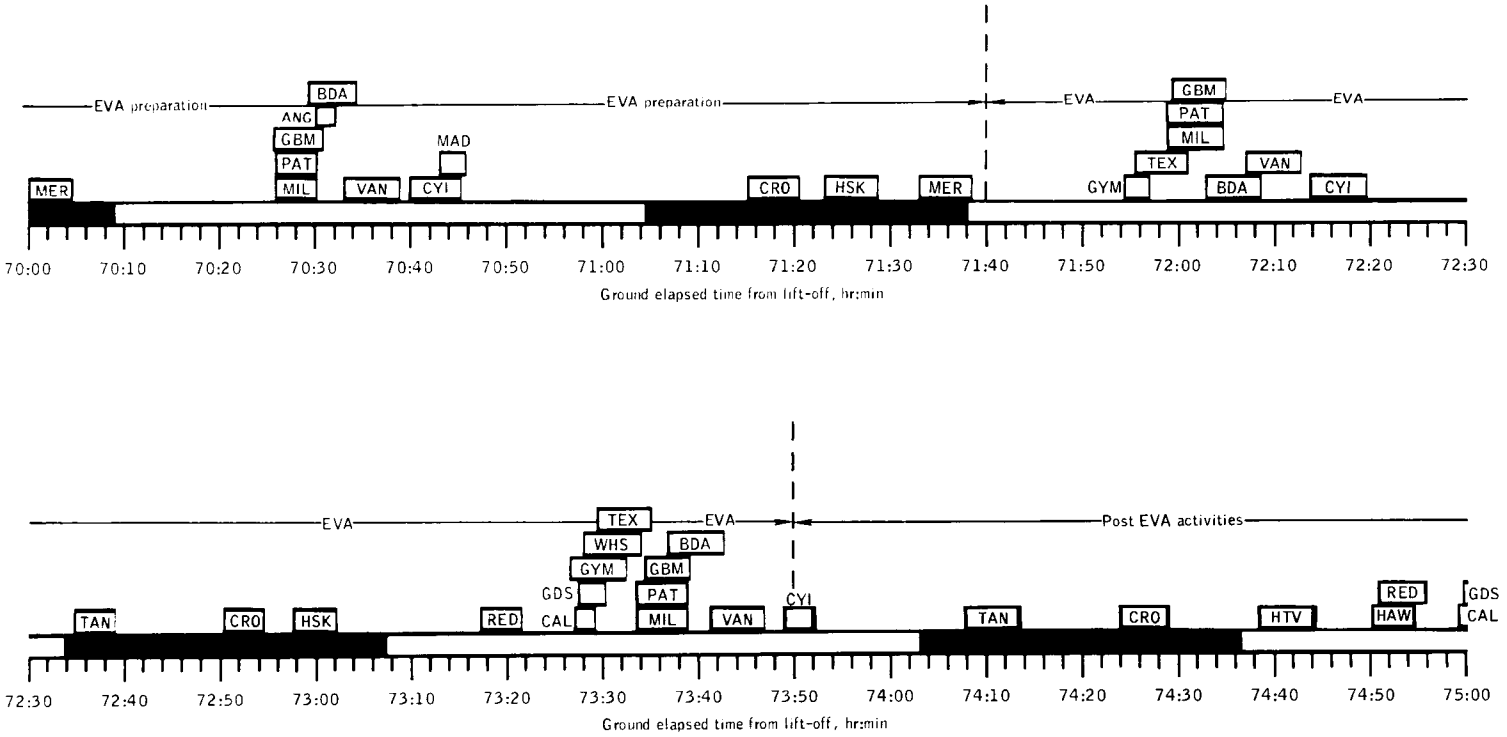
Figure 1.- Continued.



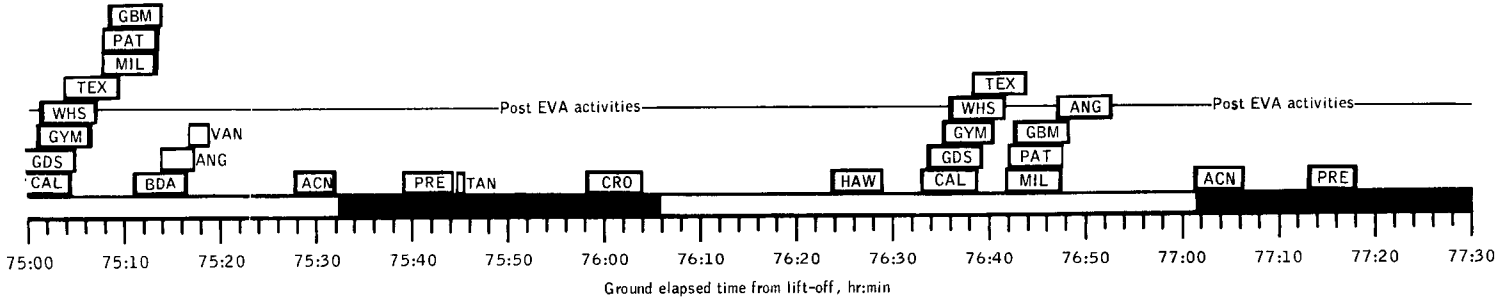

(n) 65 hours to 70 hours.

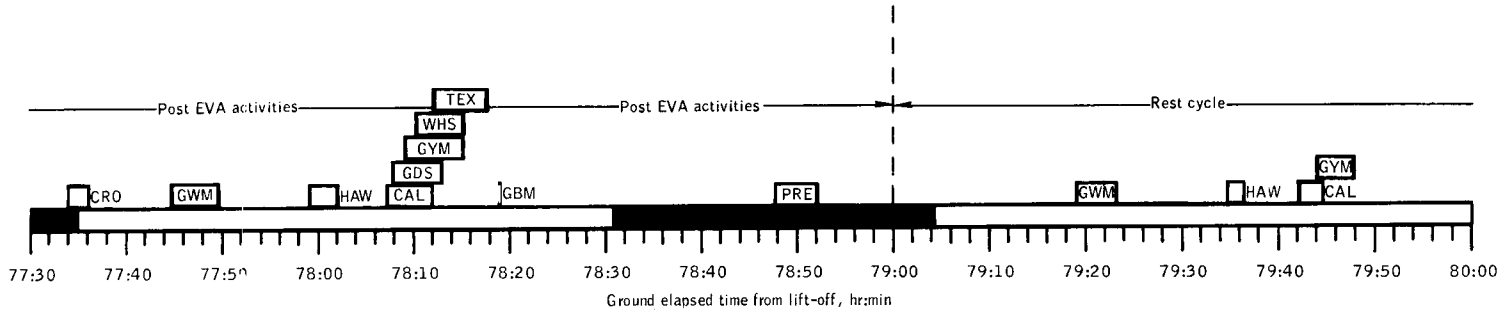
Figure 1.- Continued.




(o) 70 hours to 75 hours.

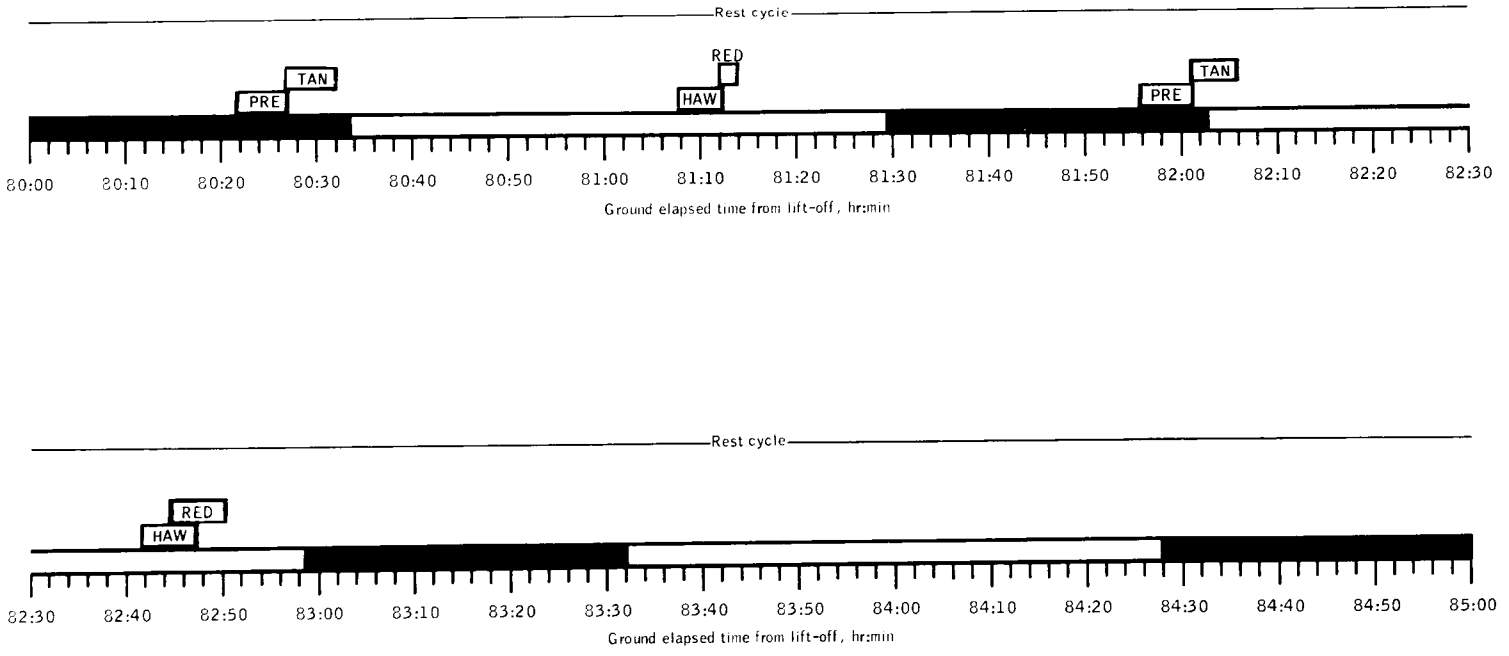
Figure 1.- Continued.



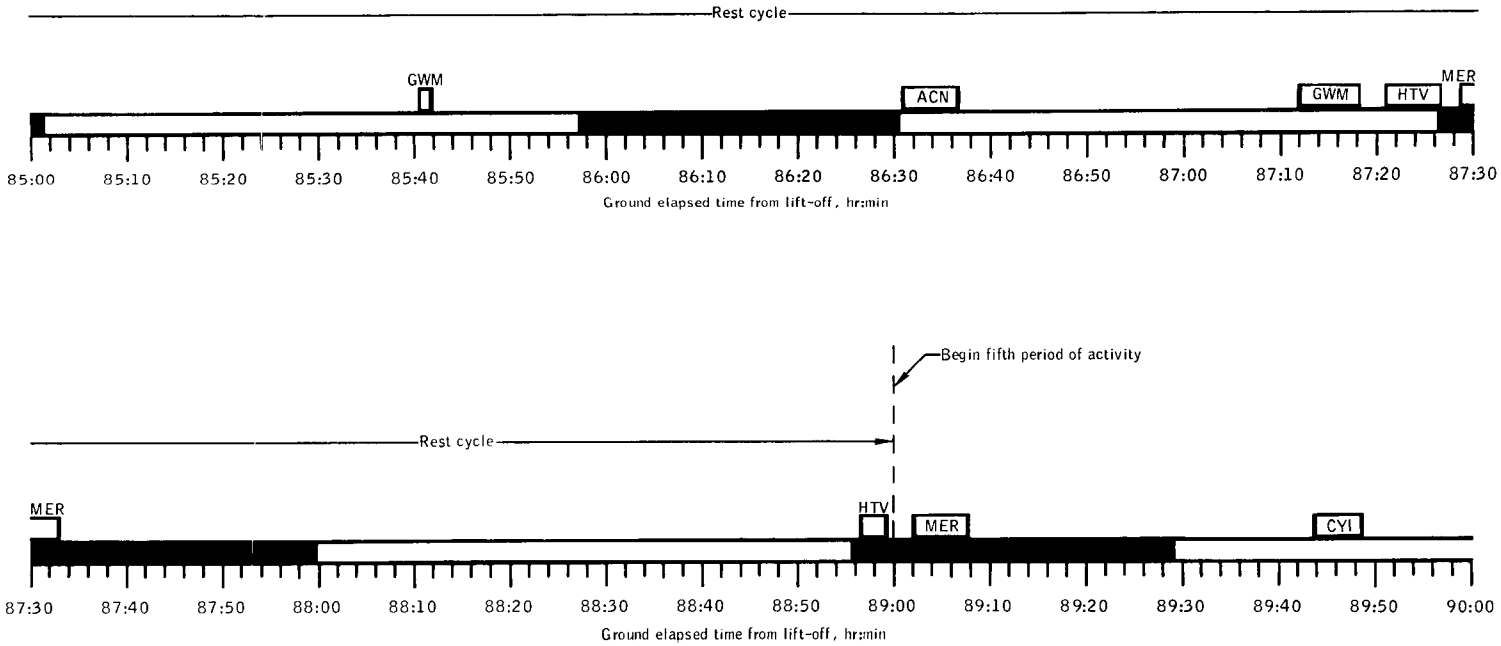

(p) 75 hours to 80 hours.

Figure 1.- Continued.



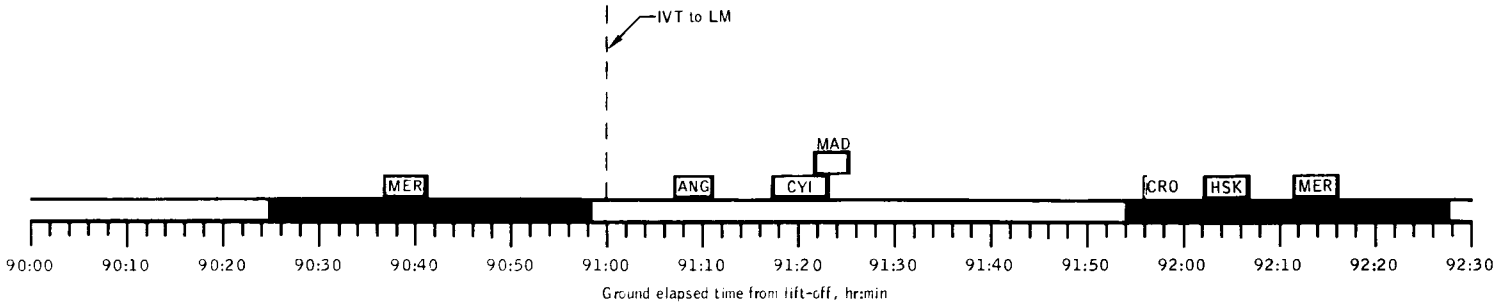

(q) 80 hours to 85 hours.

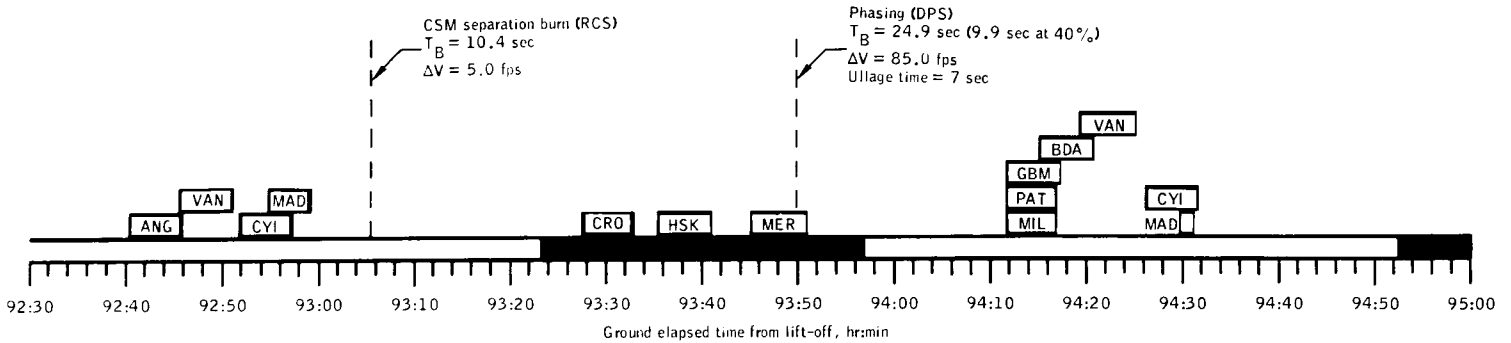
Figure 1.- Continued.




(r) 85 hours to 90 hours.

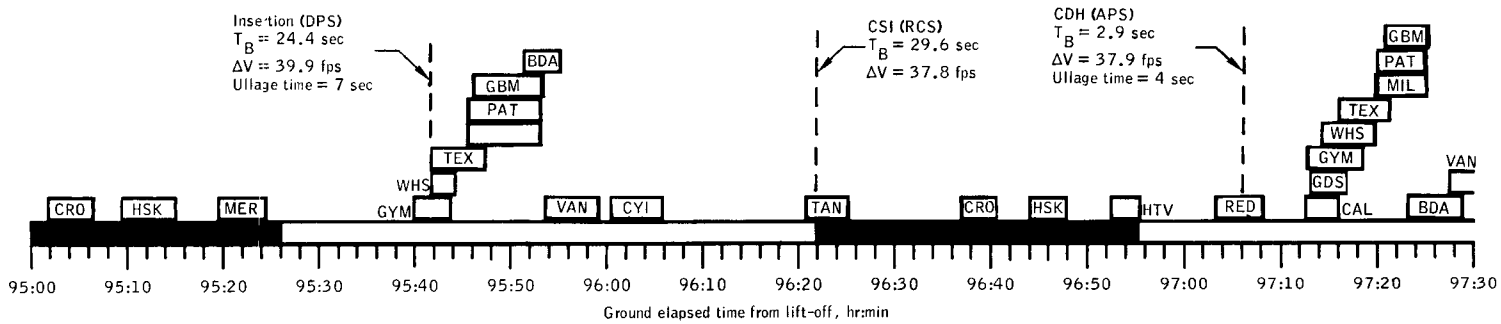
Figure 1.- Continued.

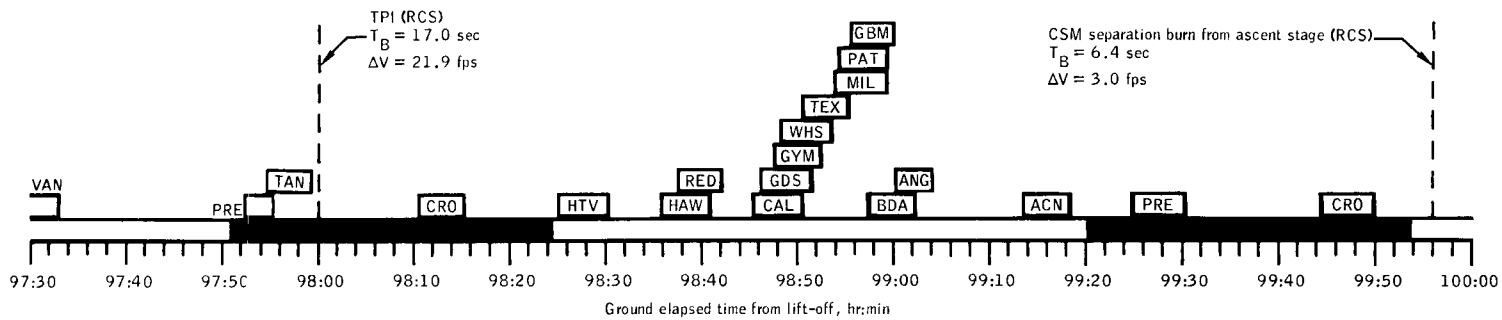



(s) 90 hours to 95 hours.

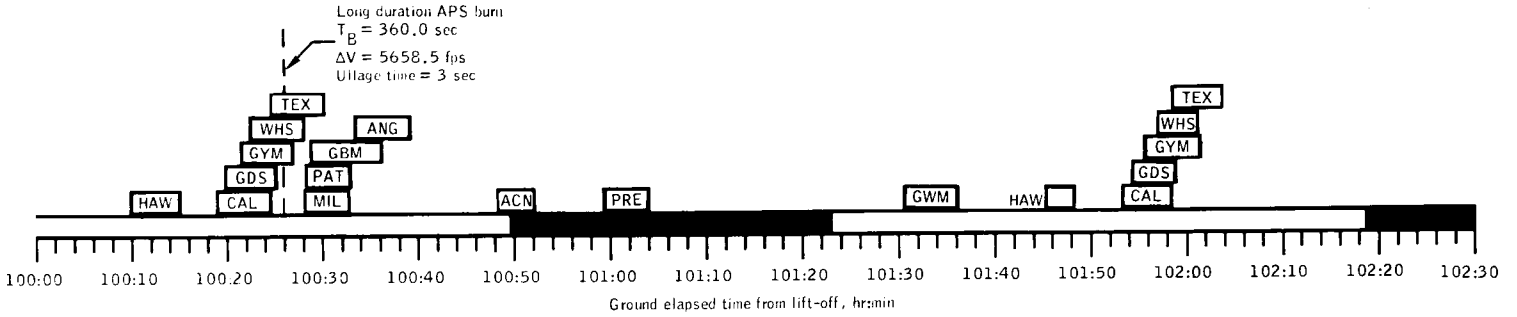
Figure 1.- Continued.

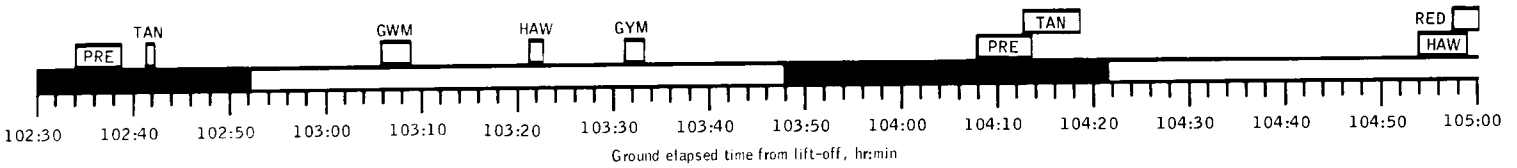



(t) 95 hours to 100 hours.

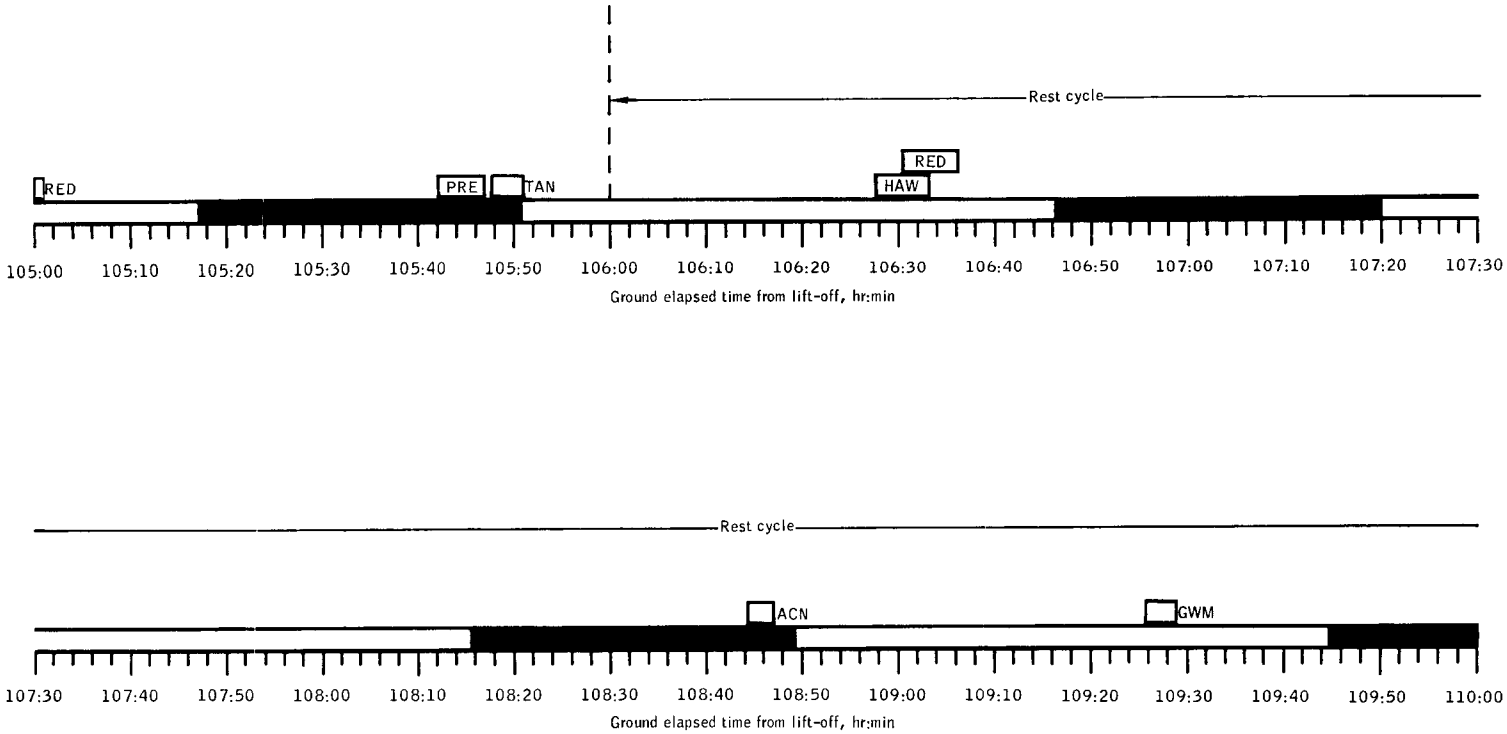
Figure 1.- Continued.



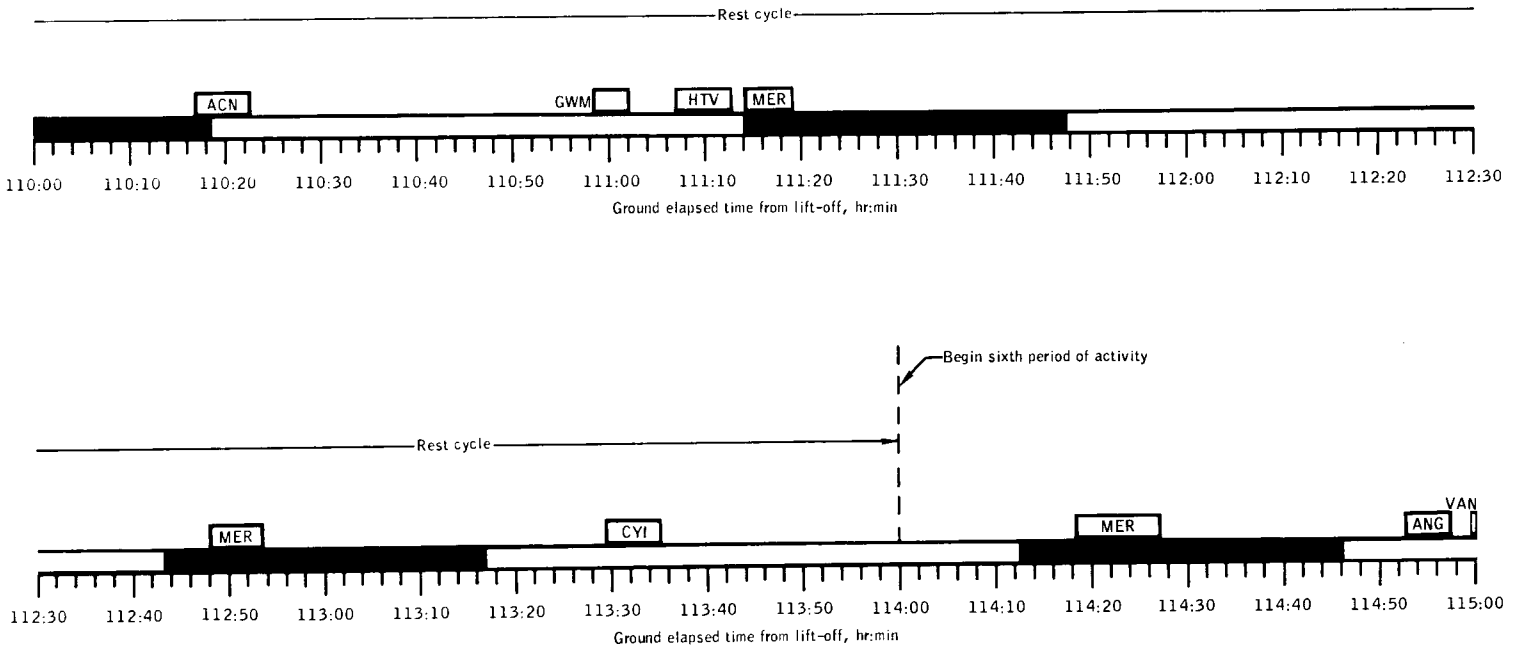

(u) 100 hours to 105 hours.

Figure 1.- Continued.



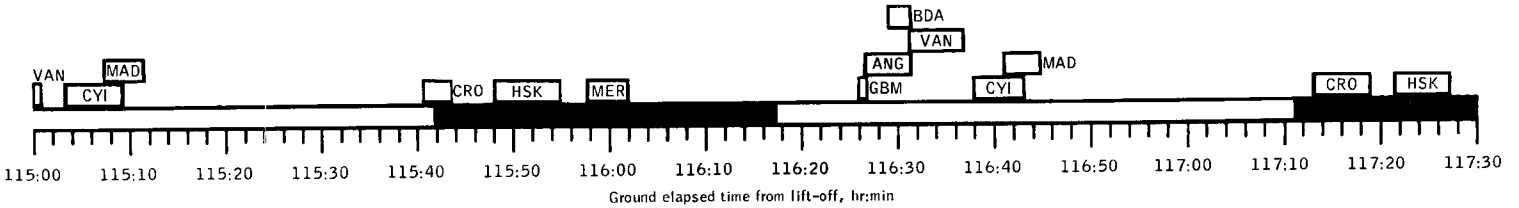

(v) 105 hours to 110 hours.

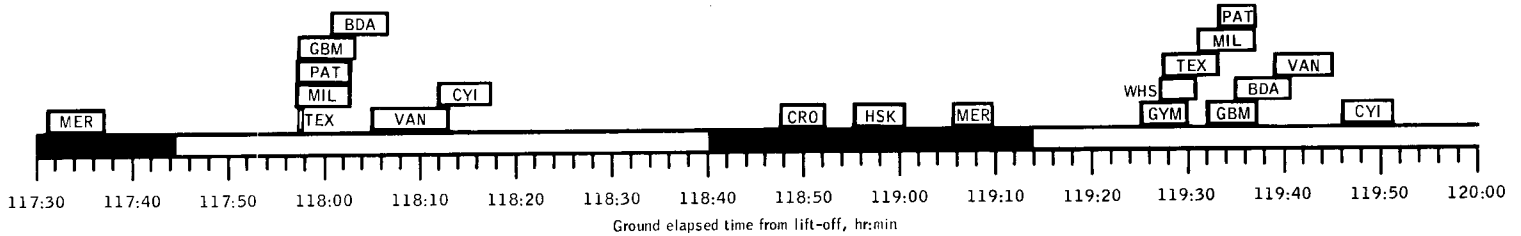
Figure 1.- Continued.




(w) 110 hours to 115 hours.

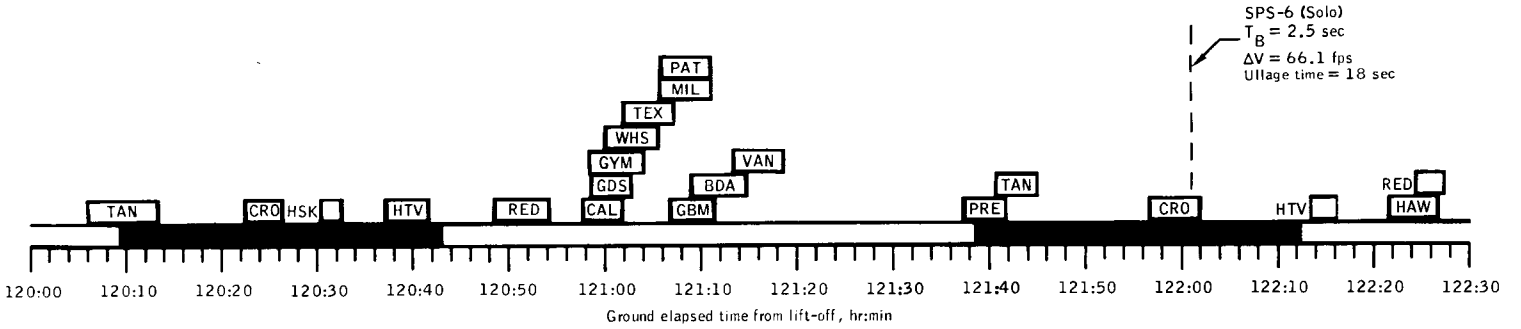
Figure 1.- Continued.

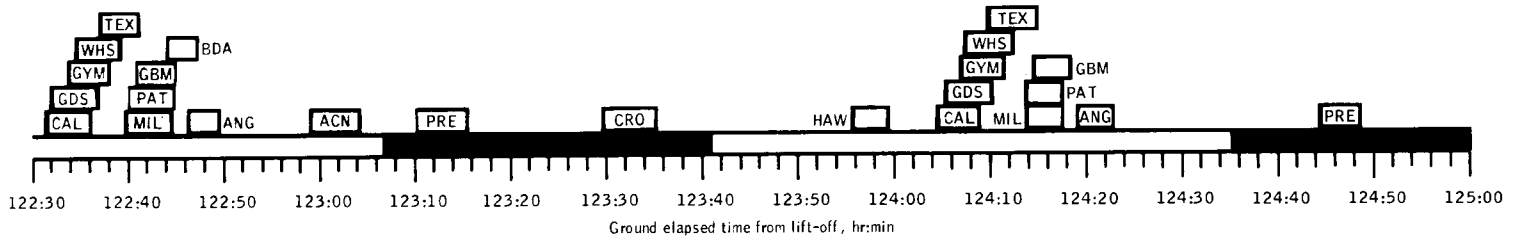



(x) 115 hours to 120 hours.

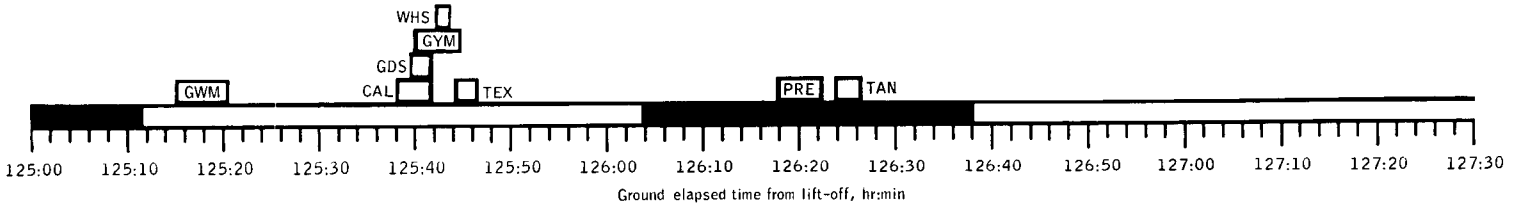
Figure 1.- Continued.

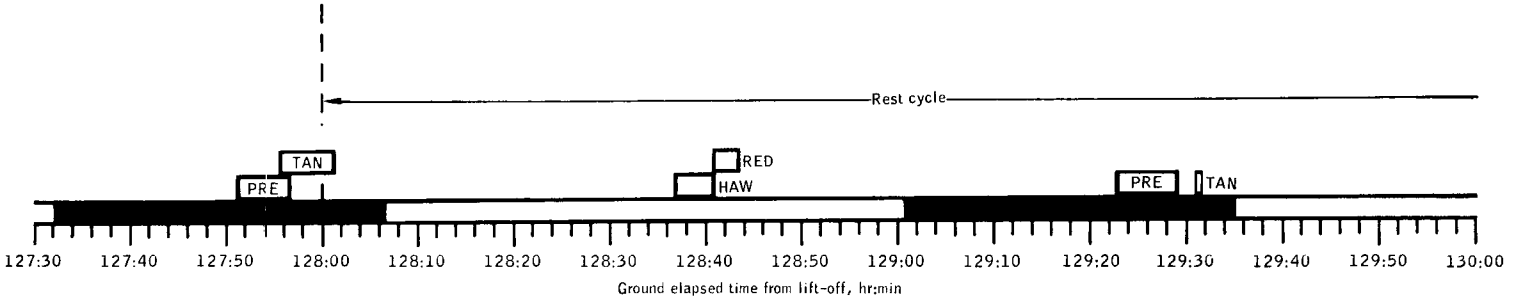



(y) 120 hours to 125 hours.

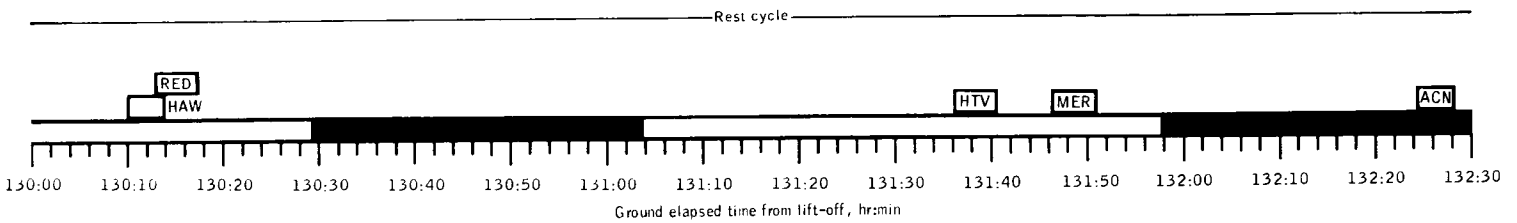
Figure 1.- Continued.

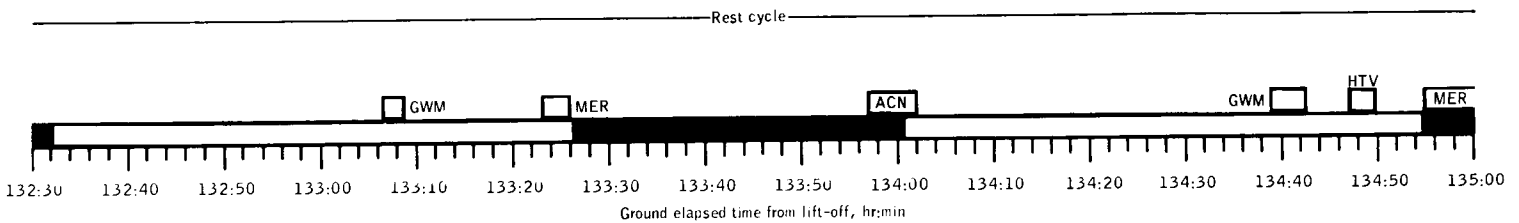



(z) 125 hours to 130 hours.

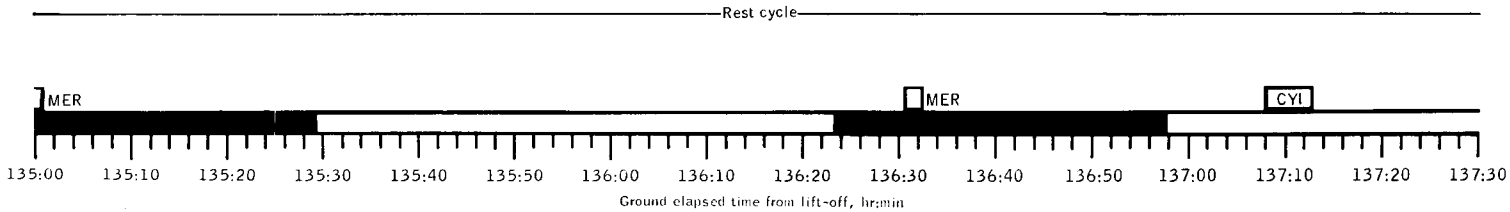
Figure 1.- Continued.

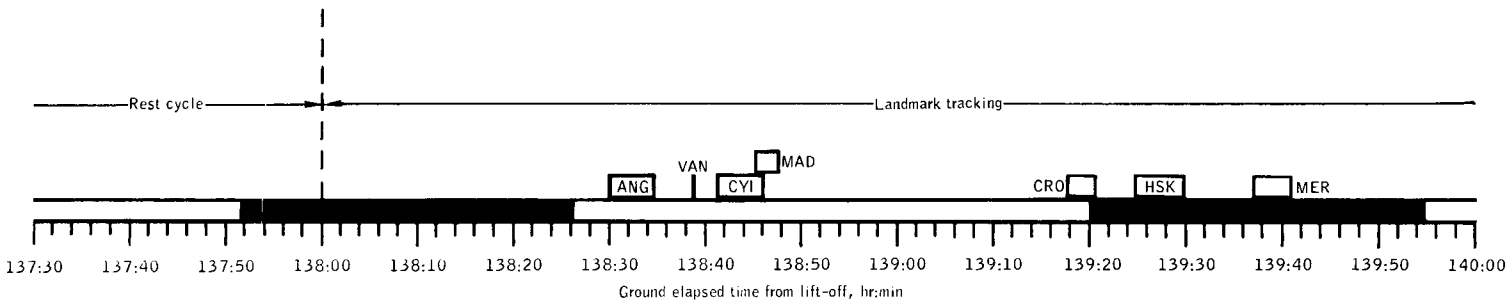



(aa) 130 hours to 135 hours.

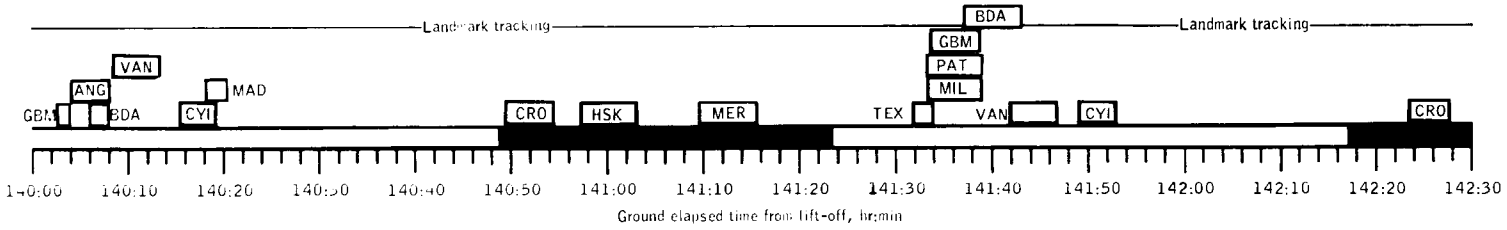
Figure 1.- Continued.

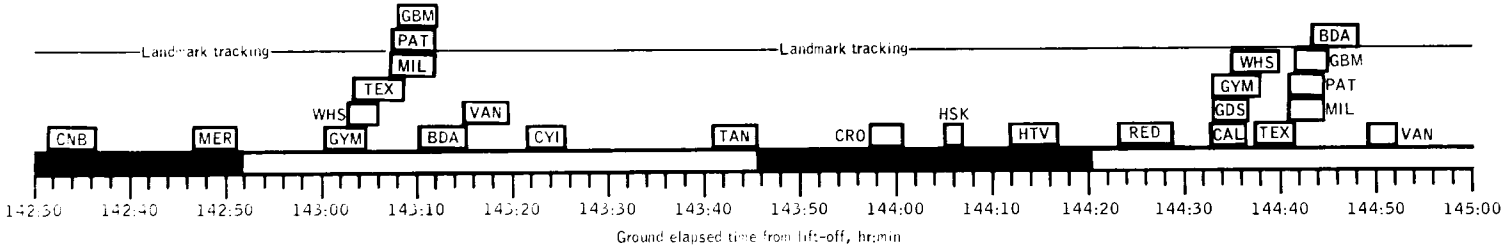



(bb) 135 hours to 140 hours.

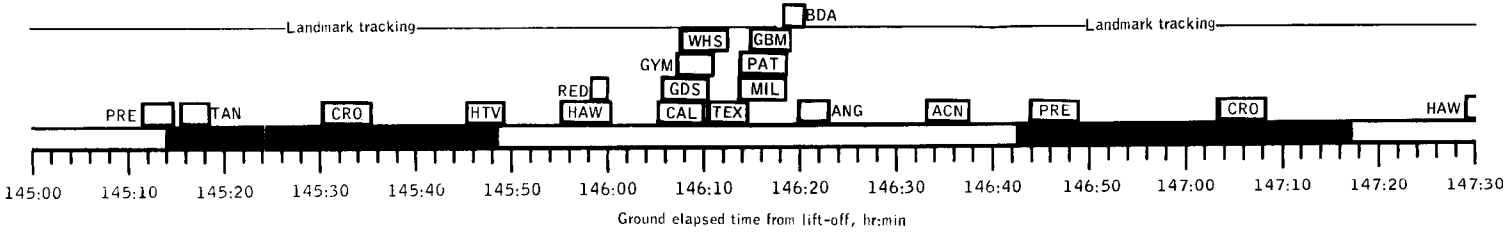
Figure 1.- Continued.

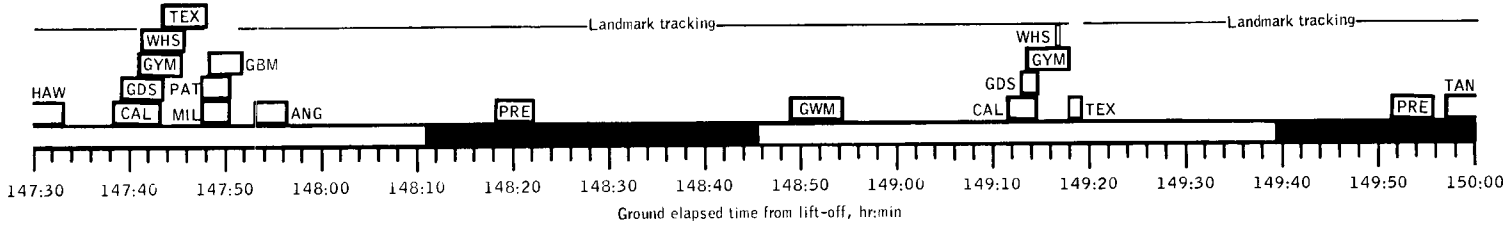



(cc) 140 hours to 145 hours.

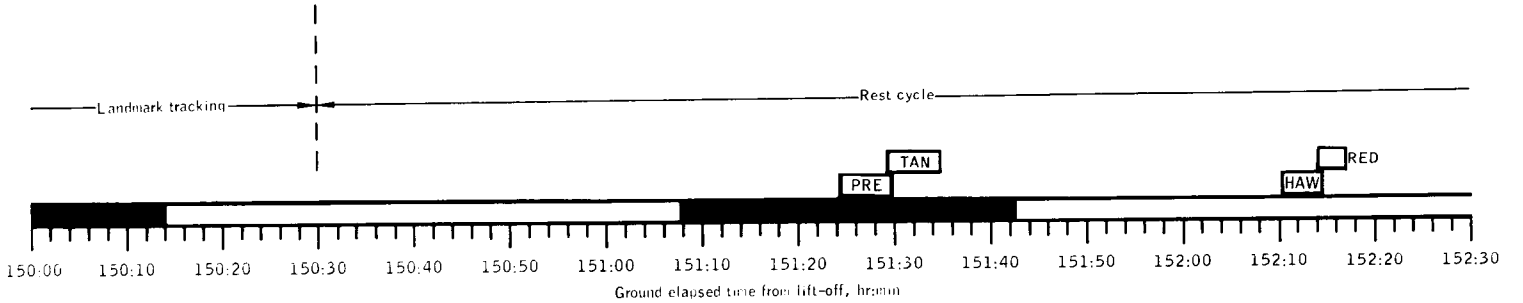
Figure 1.- Continued.

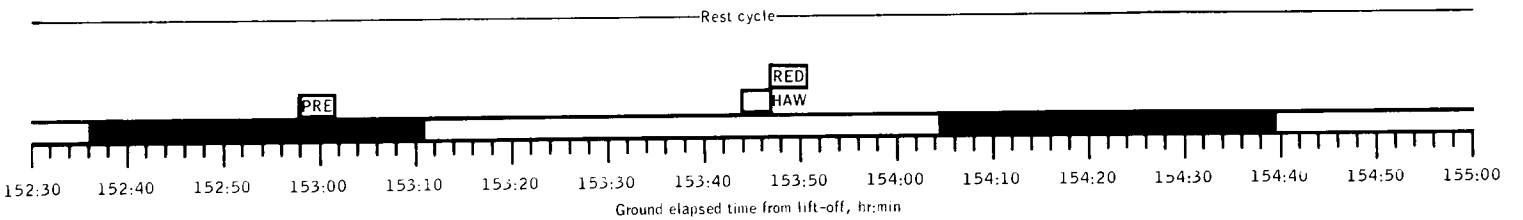



(dd) 145 hours to 150 hours.

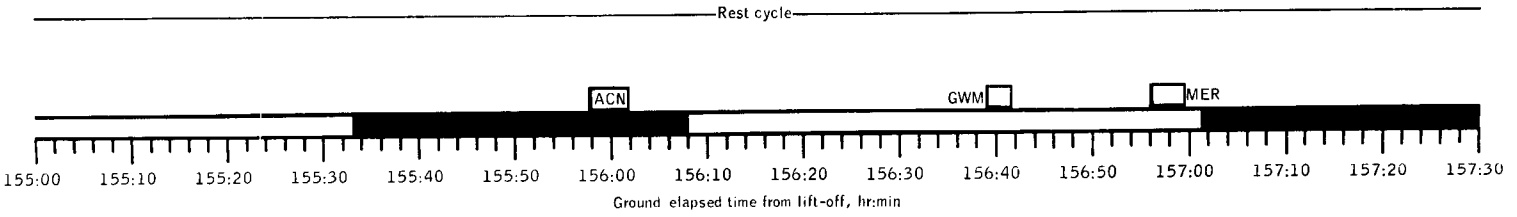
Figure 1.- Continued.

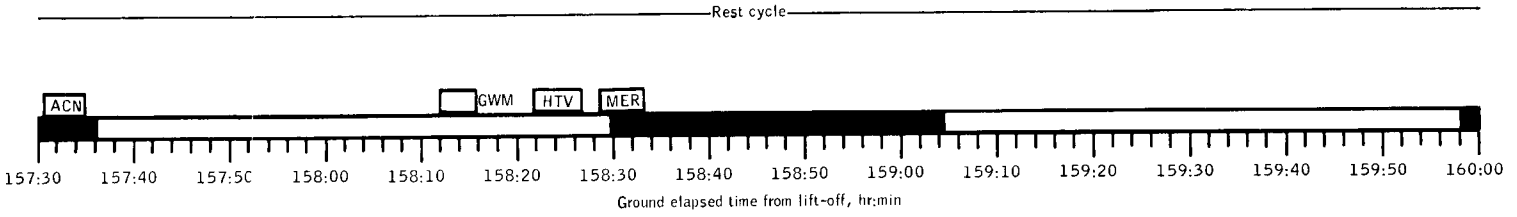



(ee) 150 hours to 155 hours.

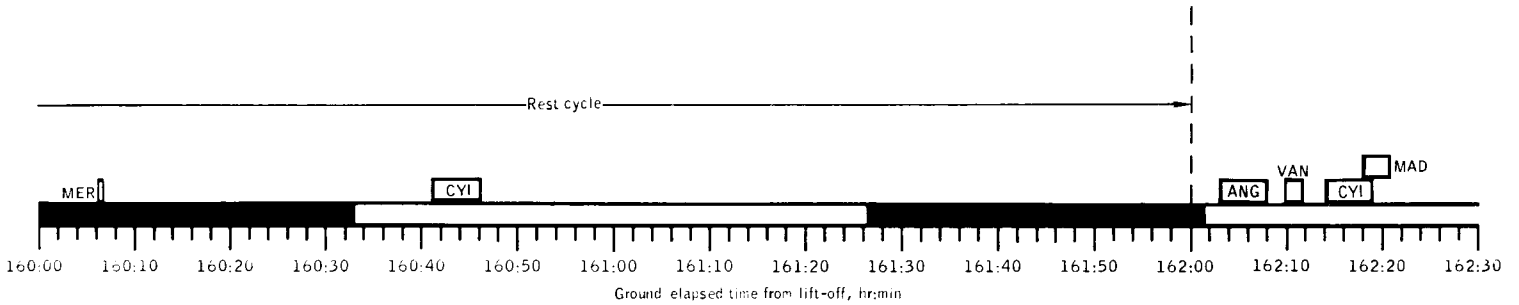
Figure 1.- Continued.

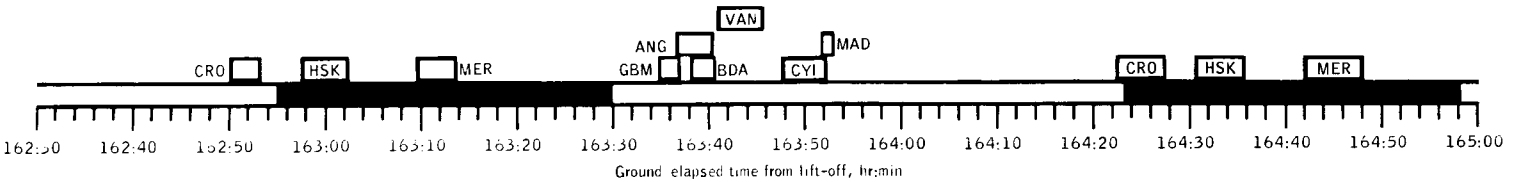



(ff) 155 hours to 160 hours.

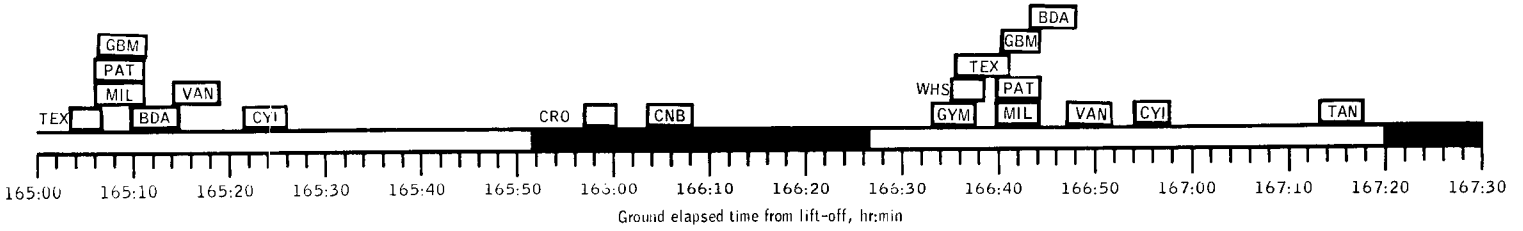
Figure 1.- Continued.

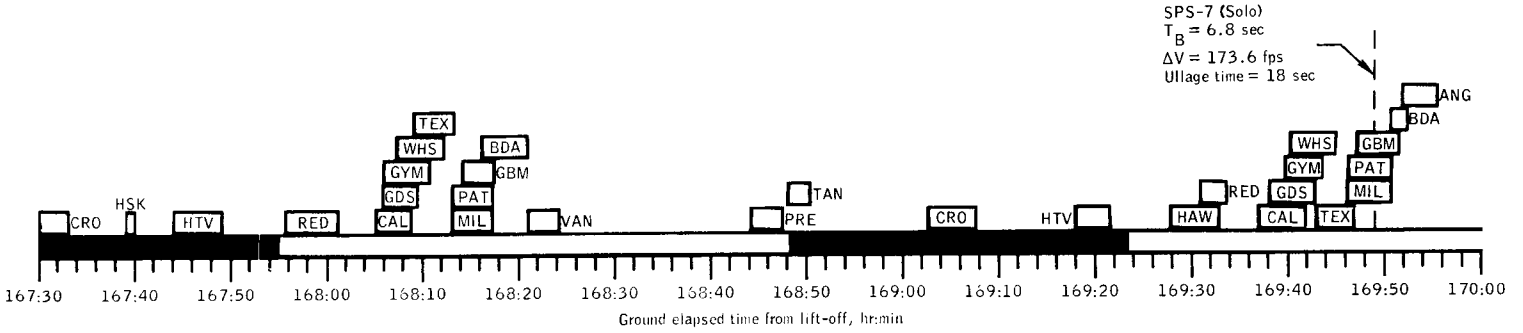



(gg) 160 hours to 165 hours.

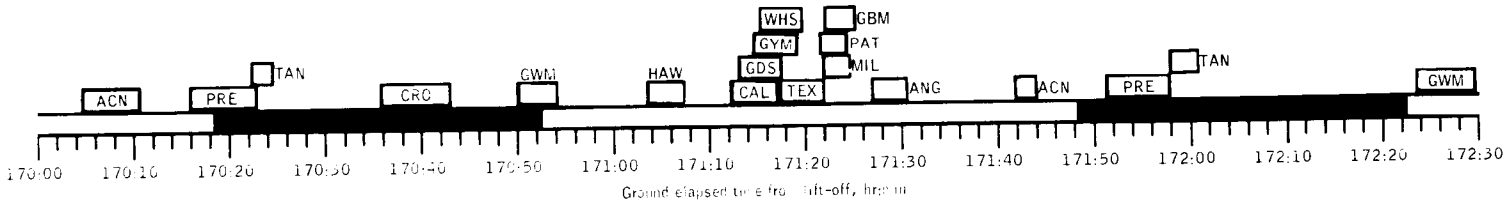
Figure 1.- Continued.

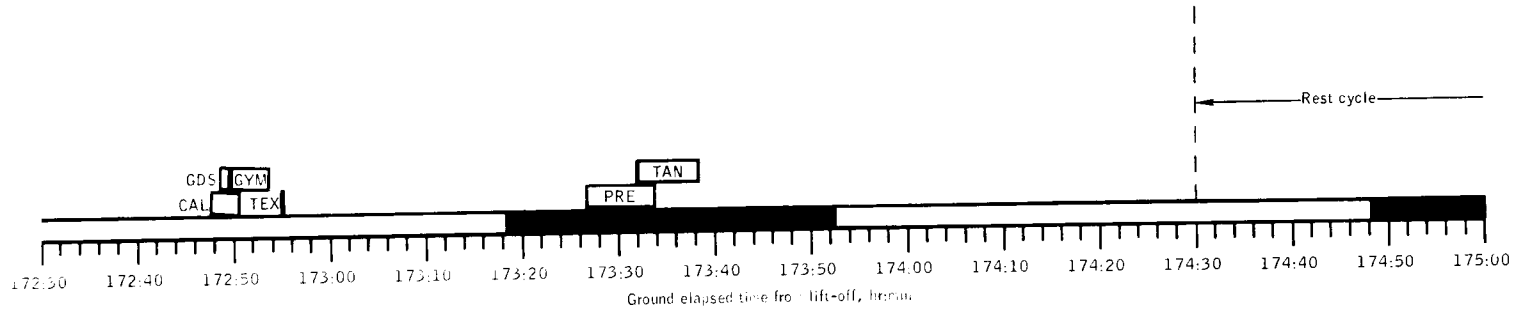



(hh) 165 hours to 170 hours.

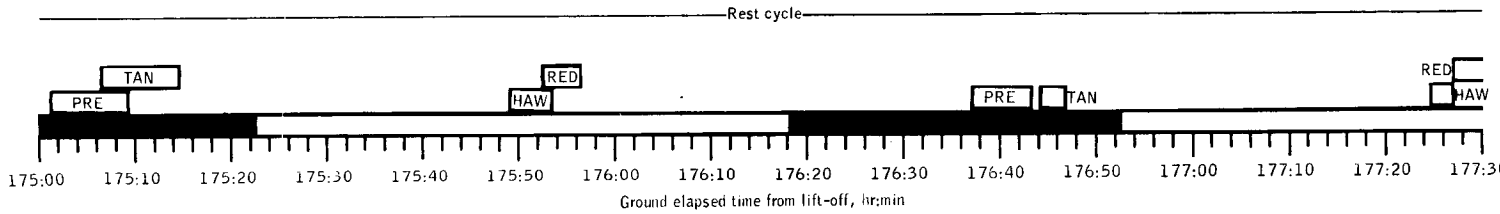
Figure 1.- Continued.

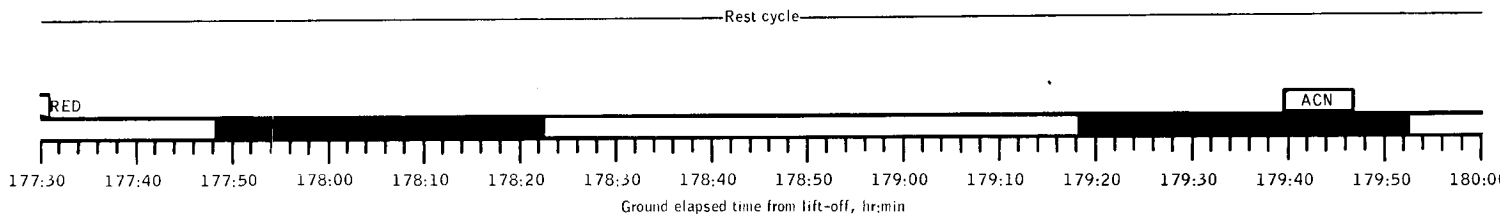



(ii) 170 hours to 175 hours.

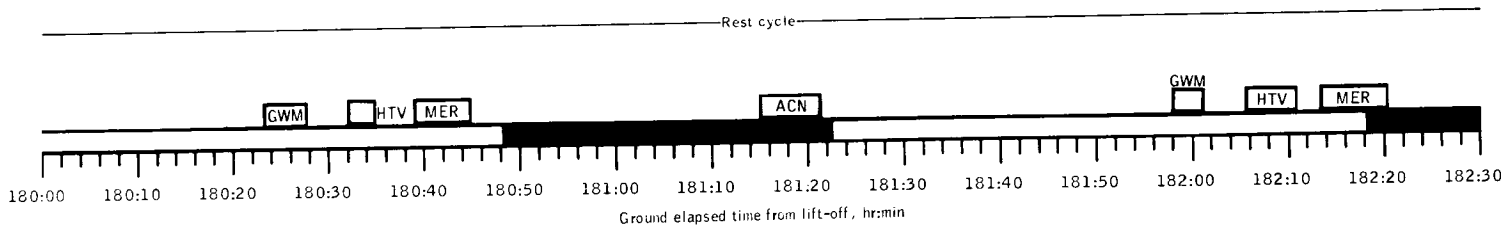
Figure 1.- Continued.

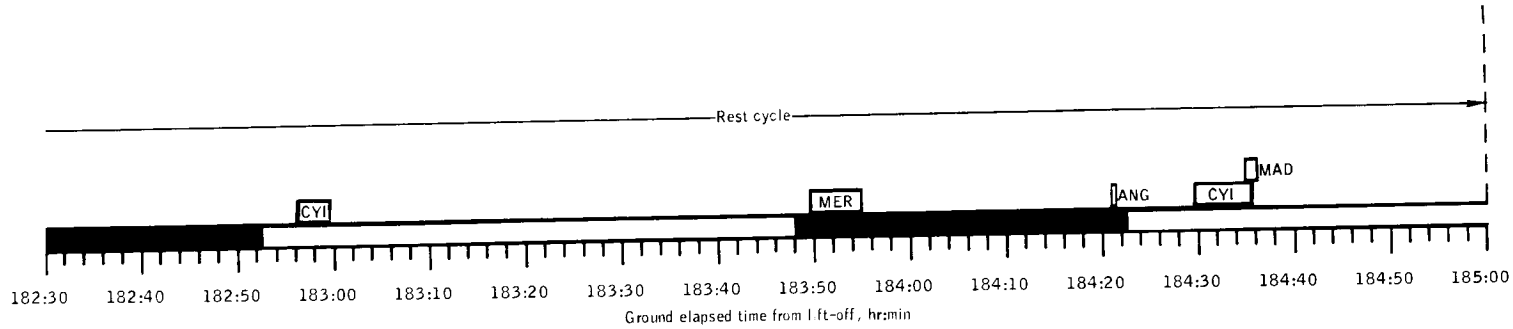



(jj) 175 hours to 180 hours.

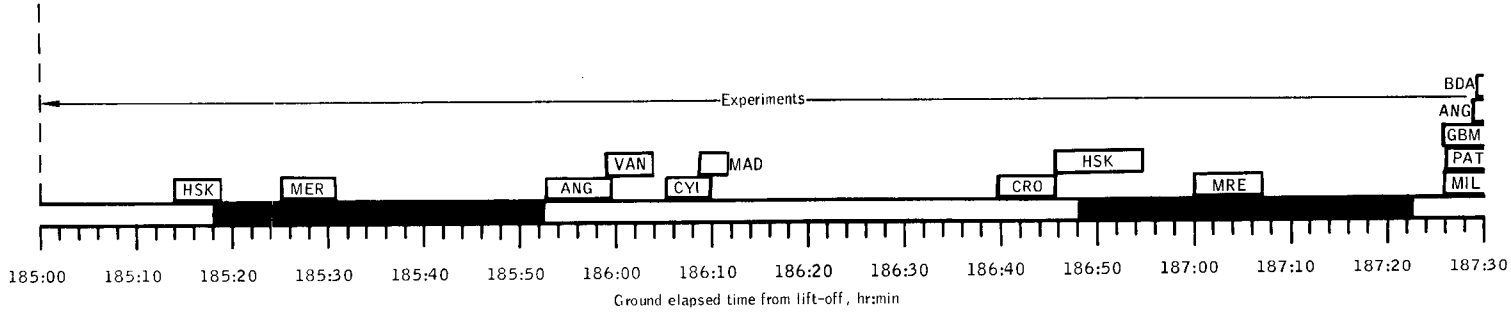
Figure 1.- Continued.

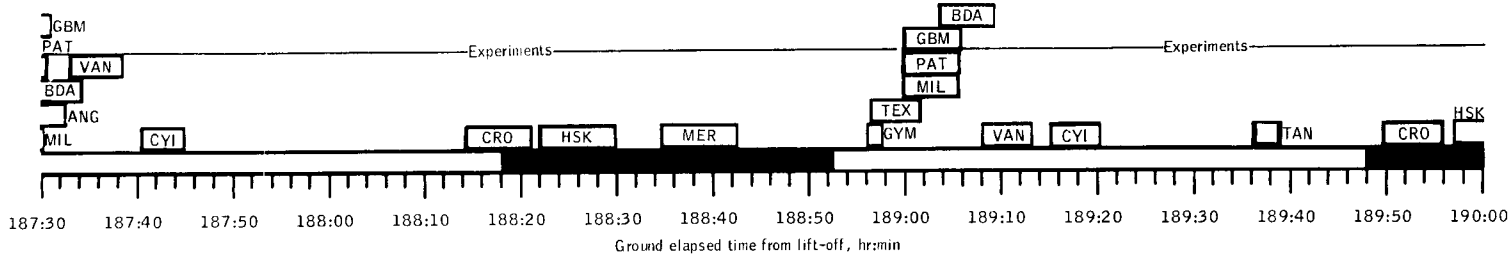



(kk) 180 hours to 185 hours.

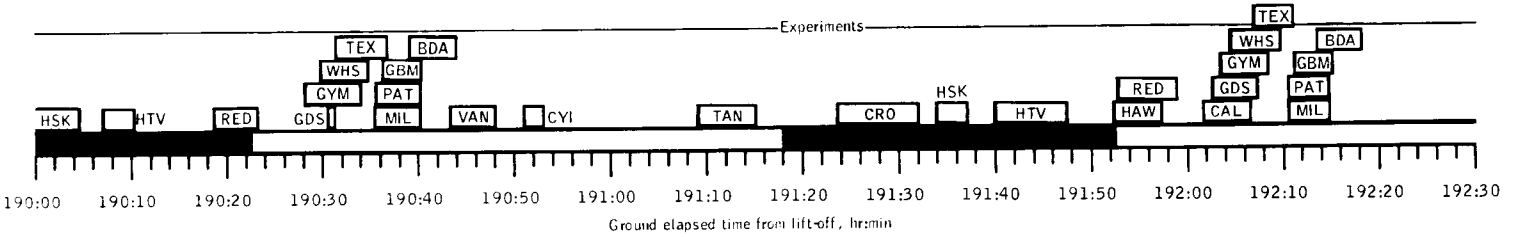
Figure 1.- Continued.

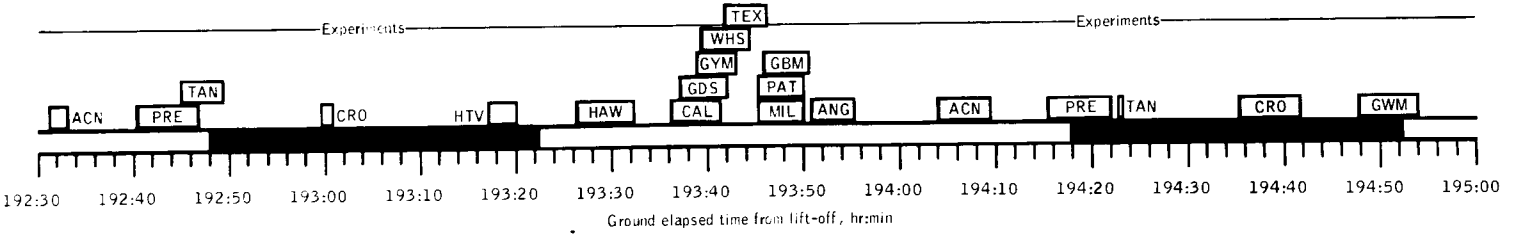



(ii) 185 hours to 190 hours.

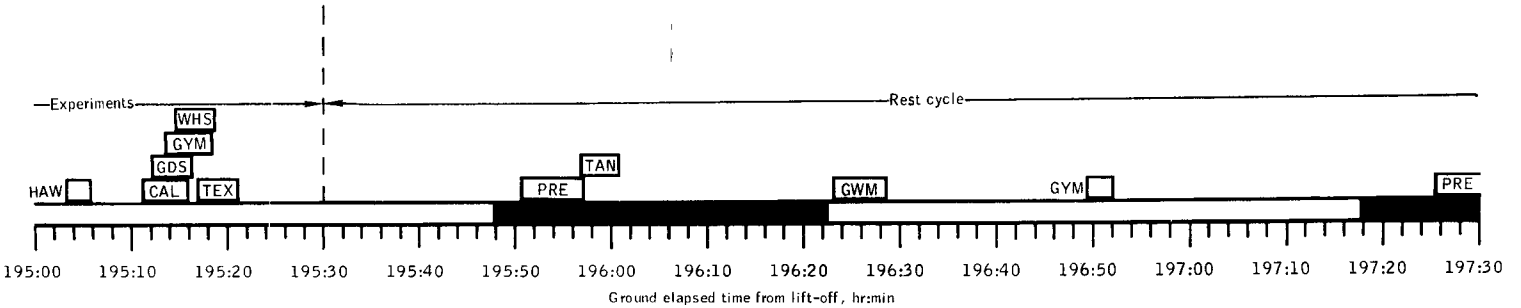
Figure 1.- Continued.

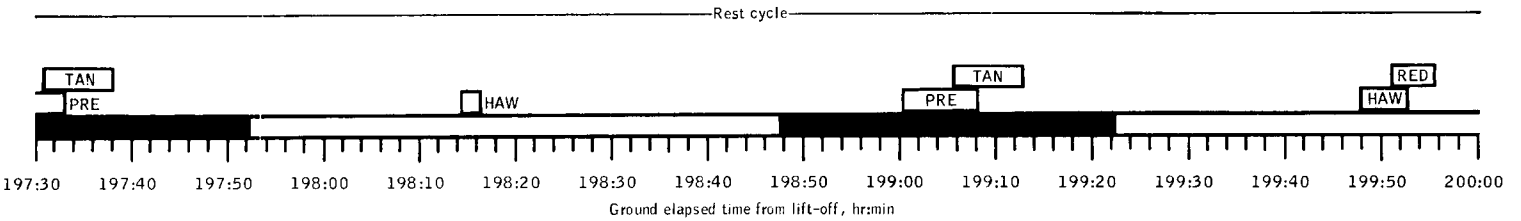



(mm) 190 hours to 195 hours.

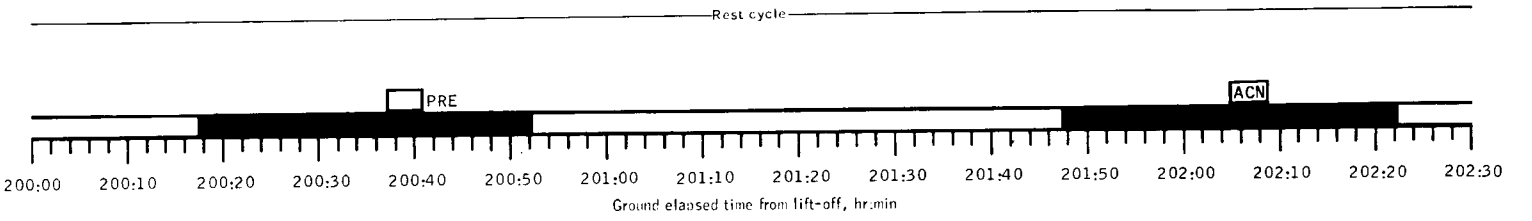
Figure 1.- Continued.

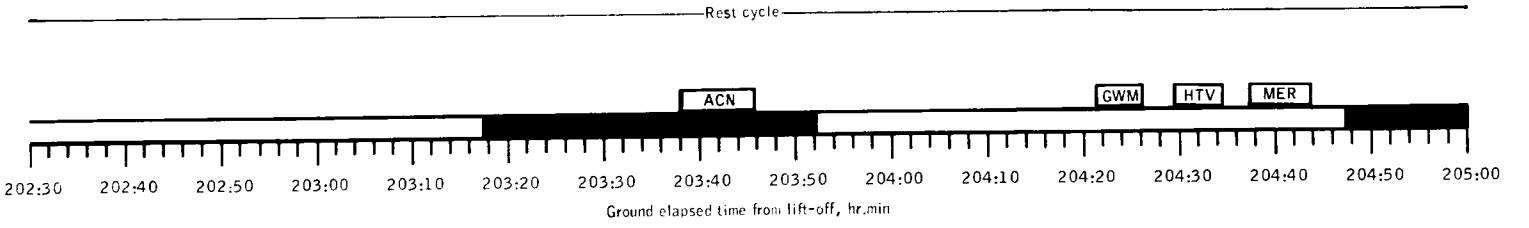



(nn) 195 hours to 200 hours.

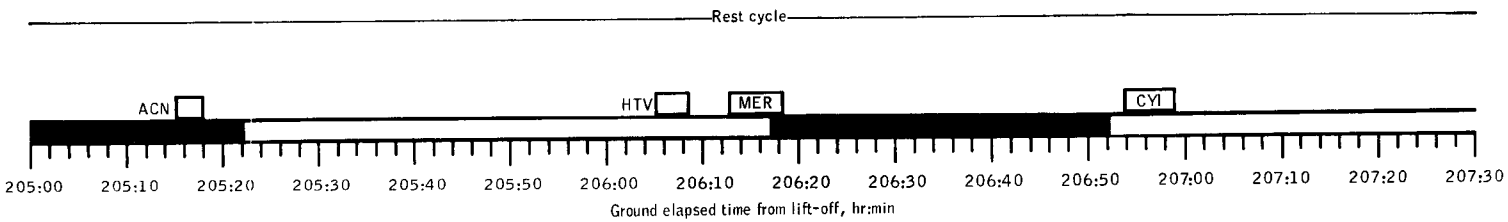
Figure 1.- Continued.

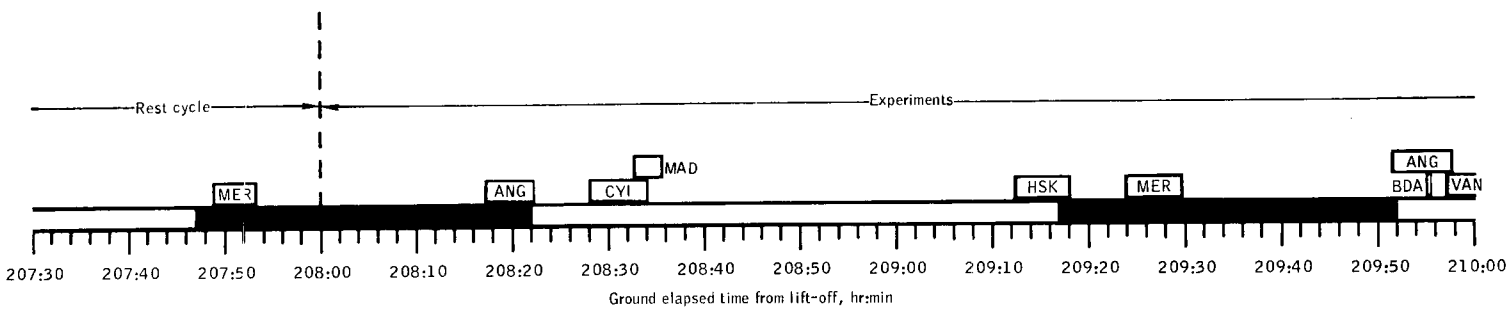



(oo) 200 hours to 205 hours.

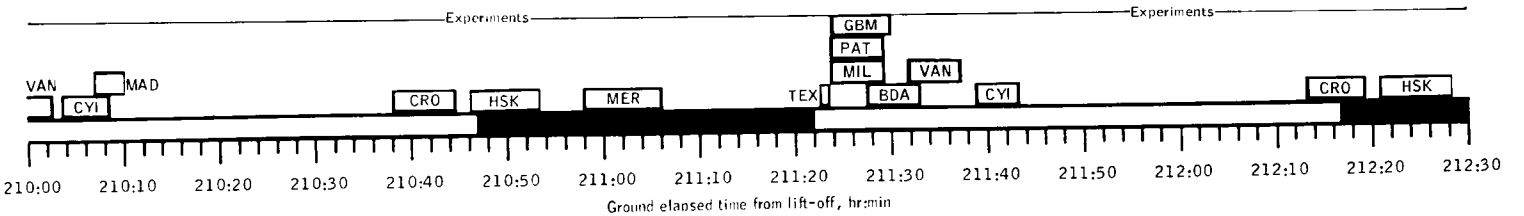
Figure 1.- Continued.

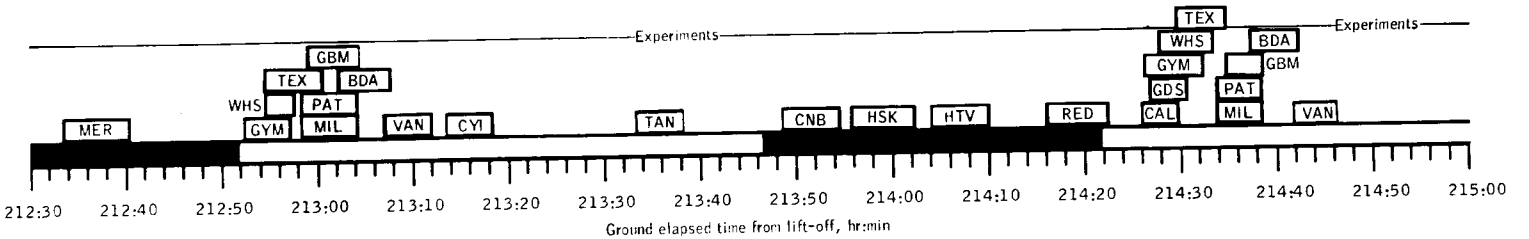



(pp) 205 hours to 210 hours.

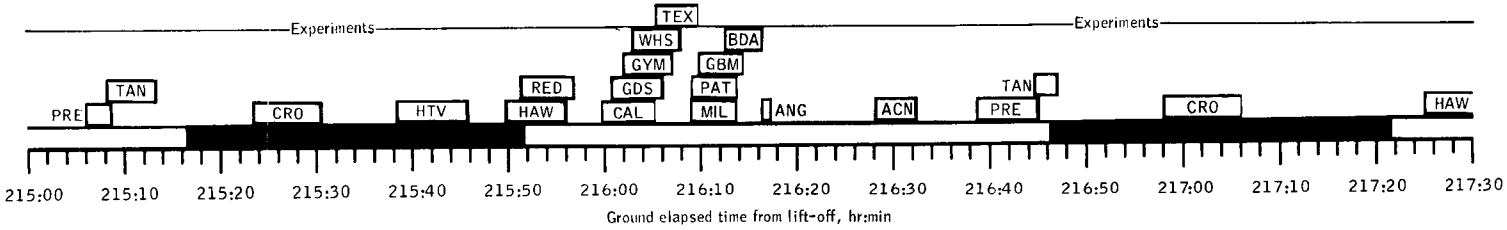
Figure 1.- Continued.

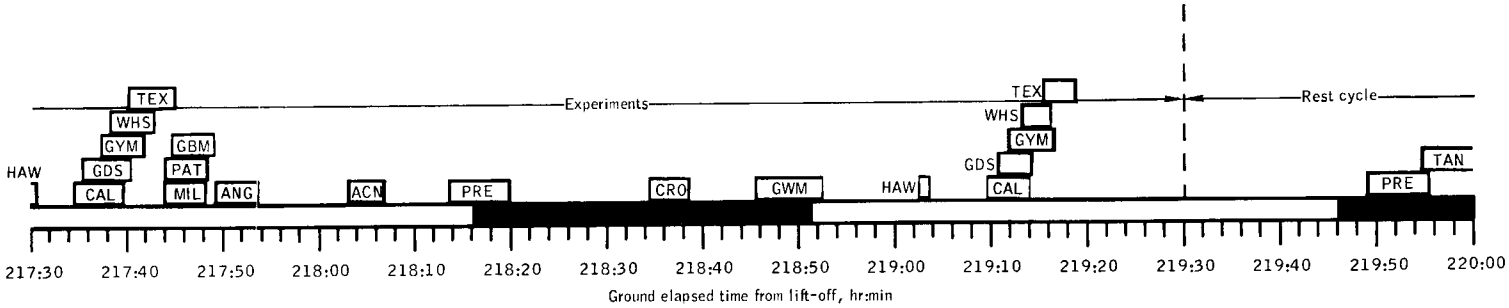



(qq) 210 hours to 215 hours.

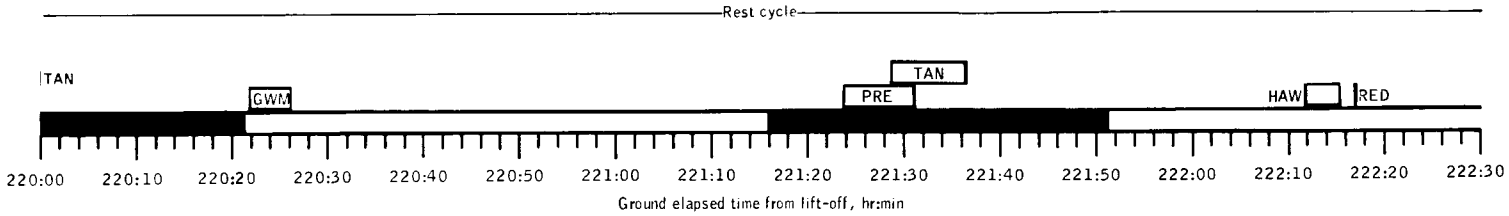
Figure 1.- Continued.

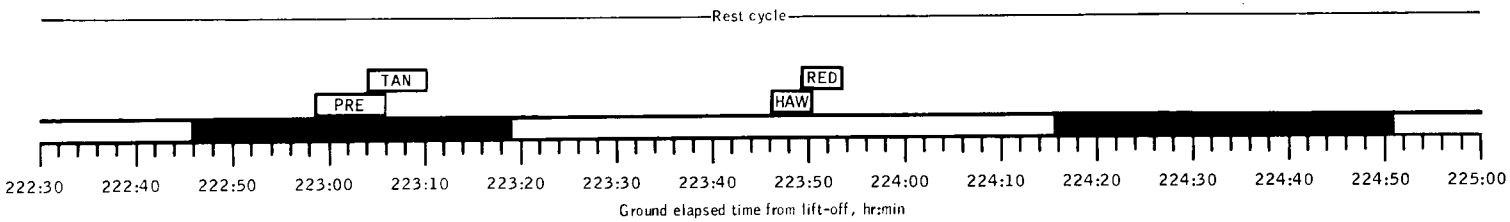



(rr) 215 hours to 220 hours.

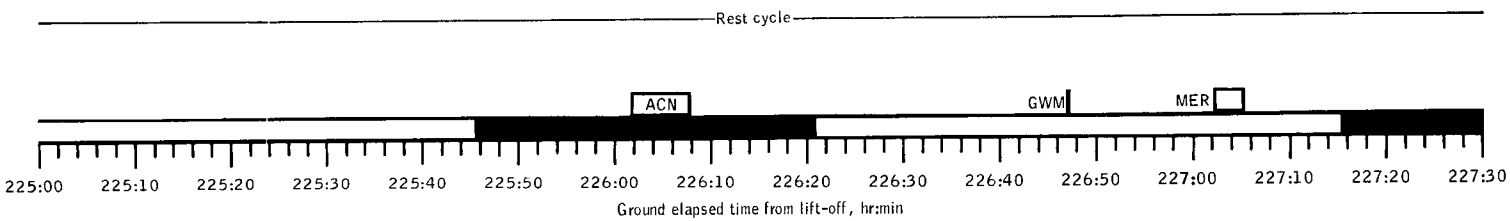
Figure 1.- Continued.

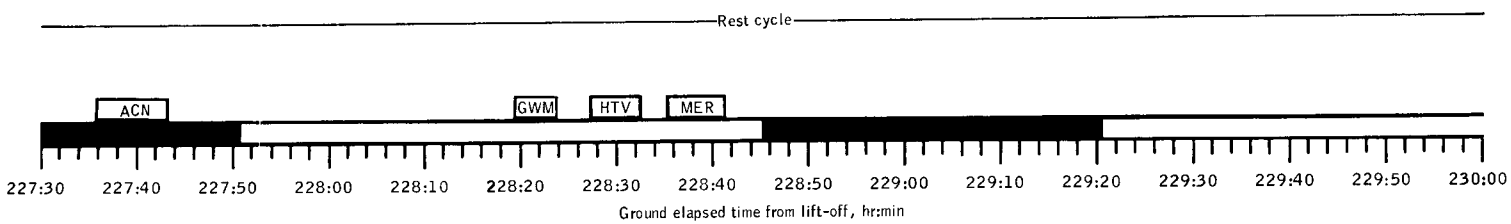



(ss) 220 hours to 225 hours.

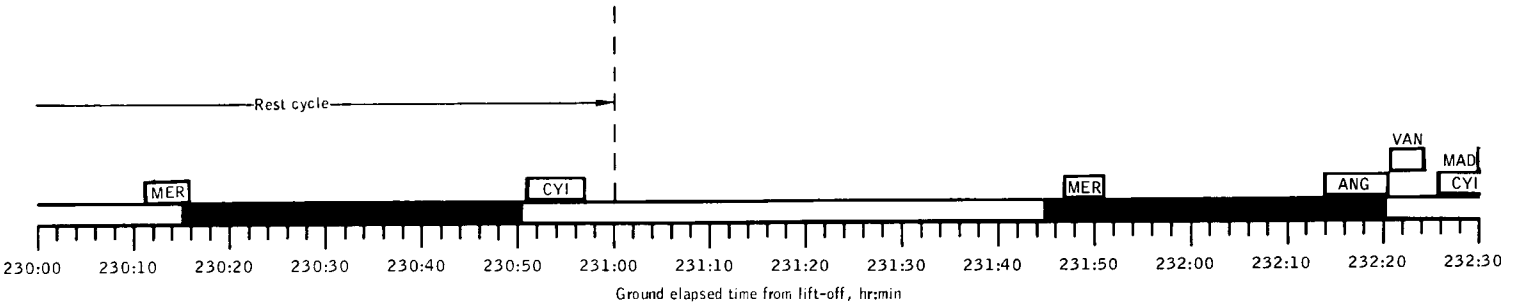
Figure 1.- Continued.

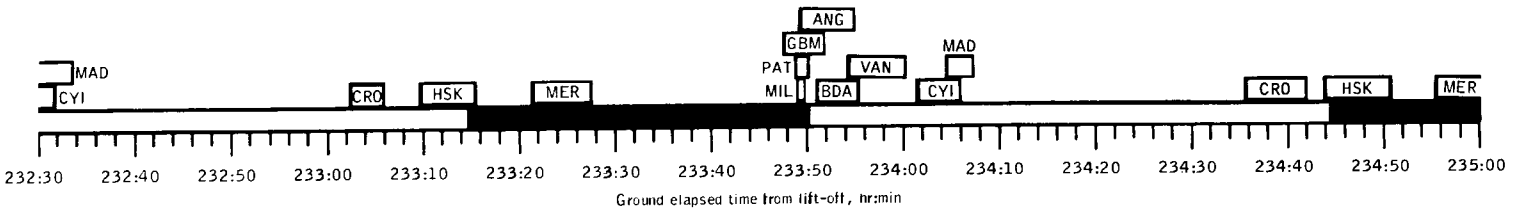



(tt) 225 hours to 230 hours.

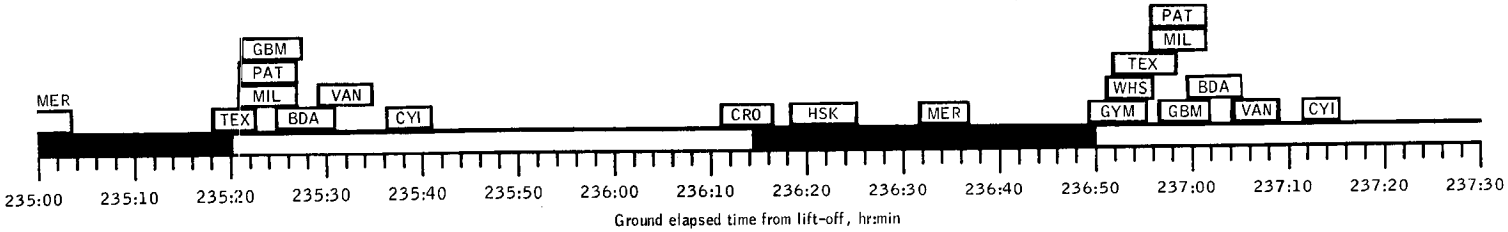
Figure 1.- Continued.

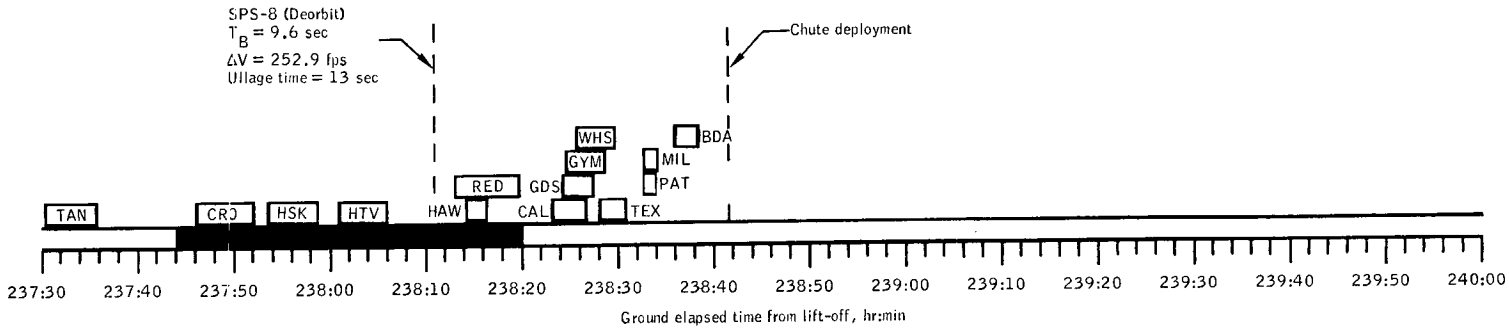



(uu) 230 hours to 235 hours.

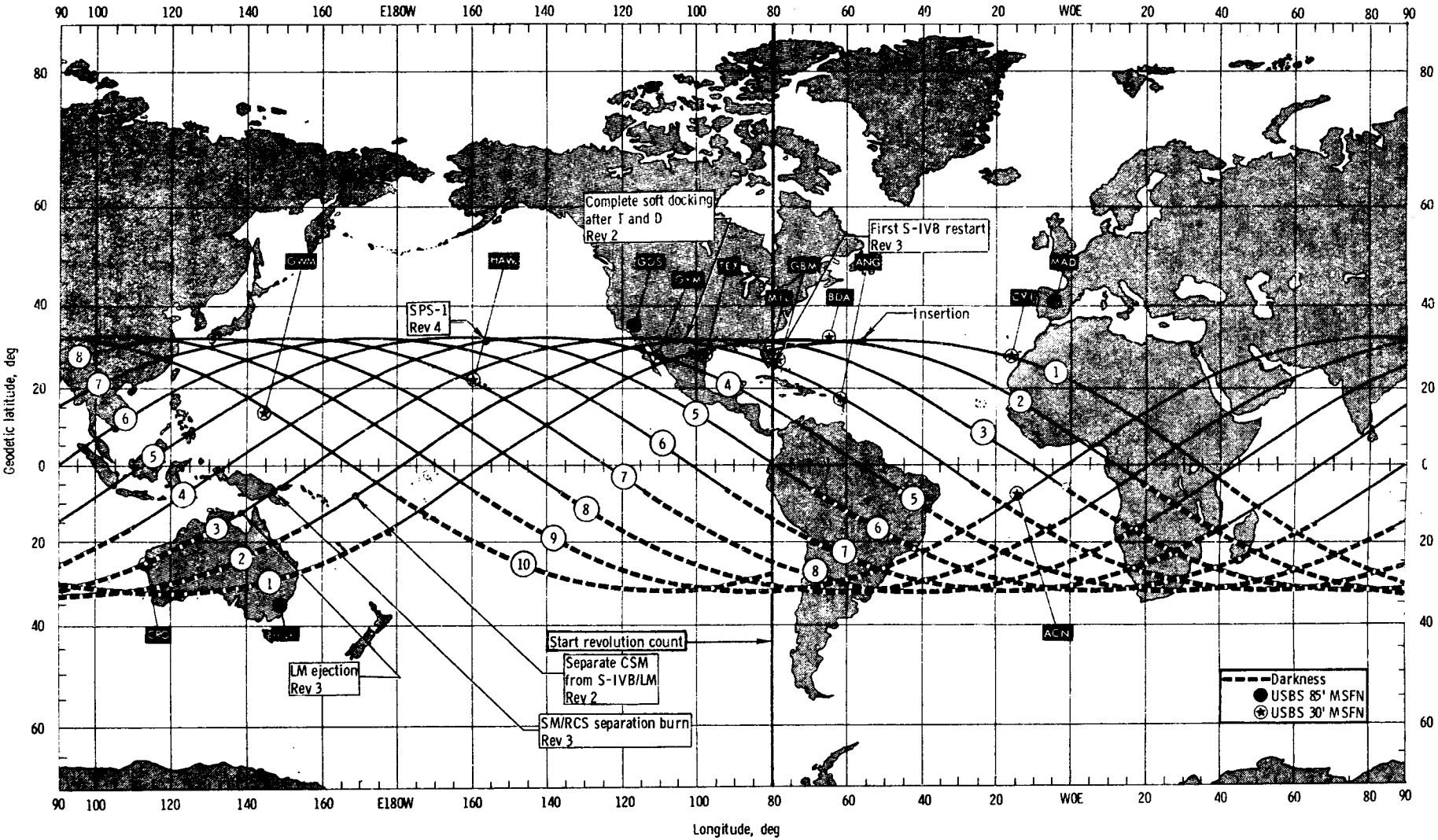
Figure 1.- Continued.



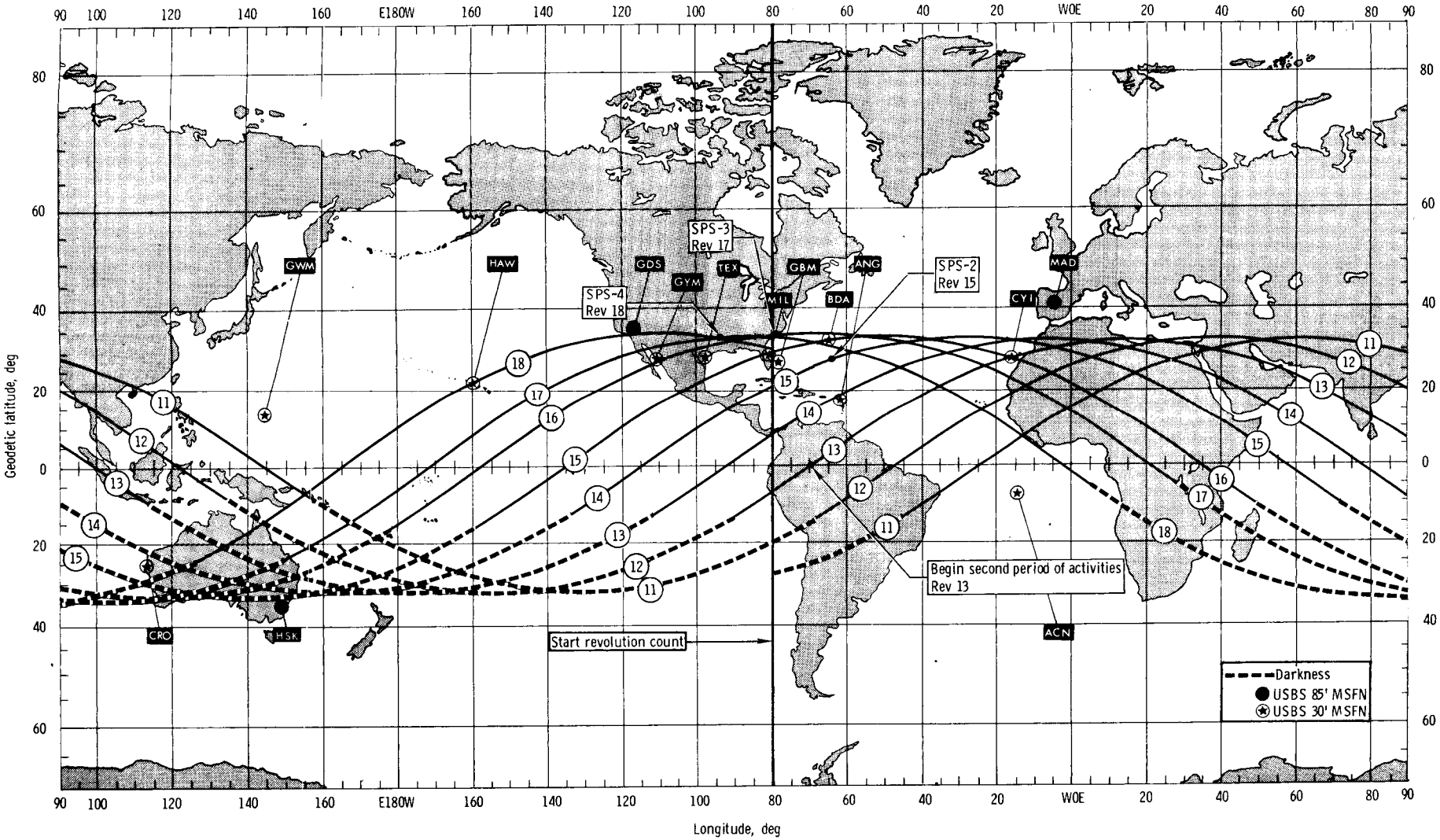

(vv) 235 hours to 240 hours.

Figure 1.- Concluded.



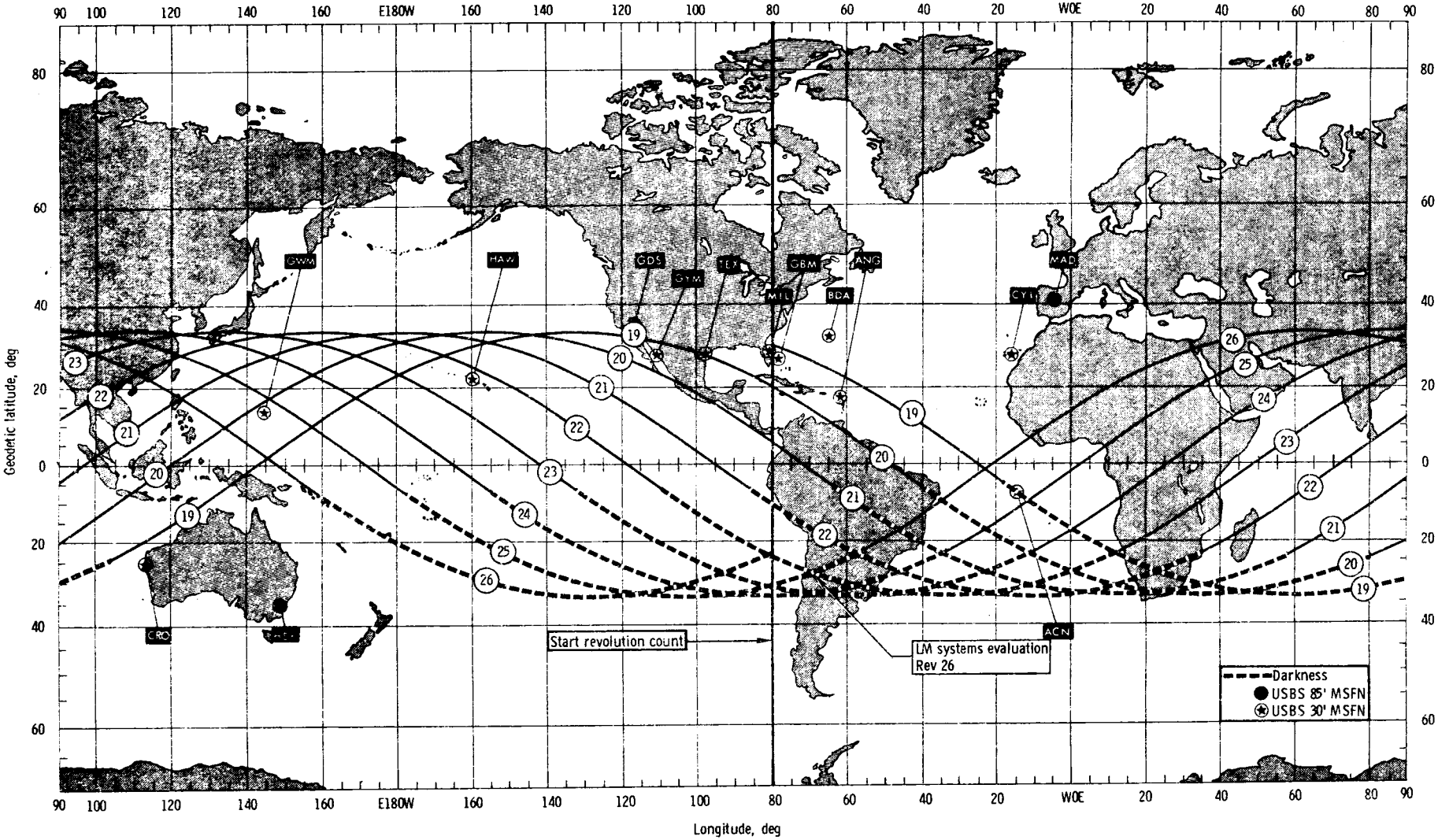

(a) Revolutions 1 through 10.

Figure 2. - Apollo 9 groundtracks with major mission events and lighting.



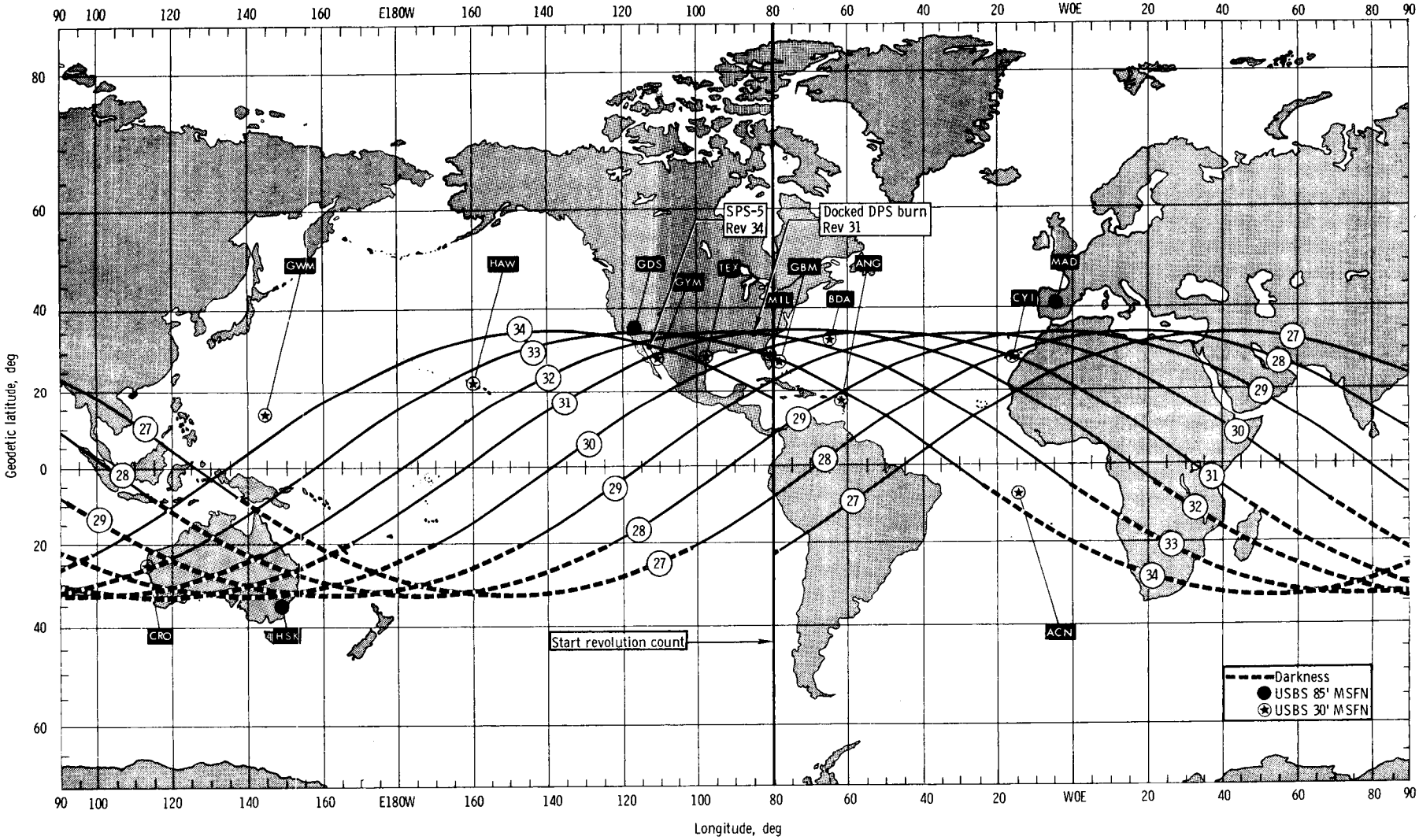

(b) Revolutions 11 through 18.

Figure 2. - Continued.



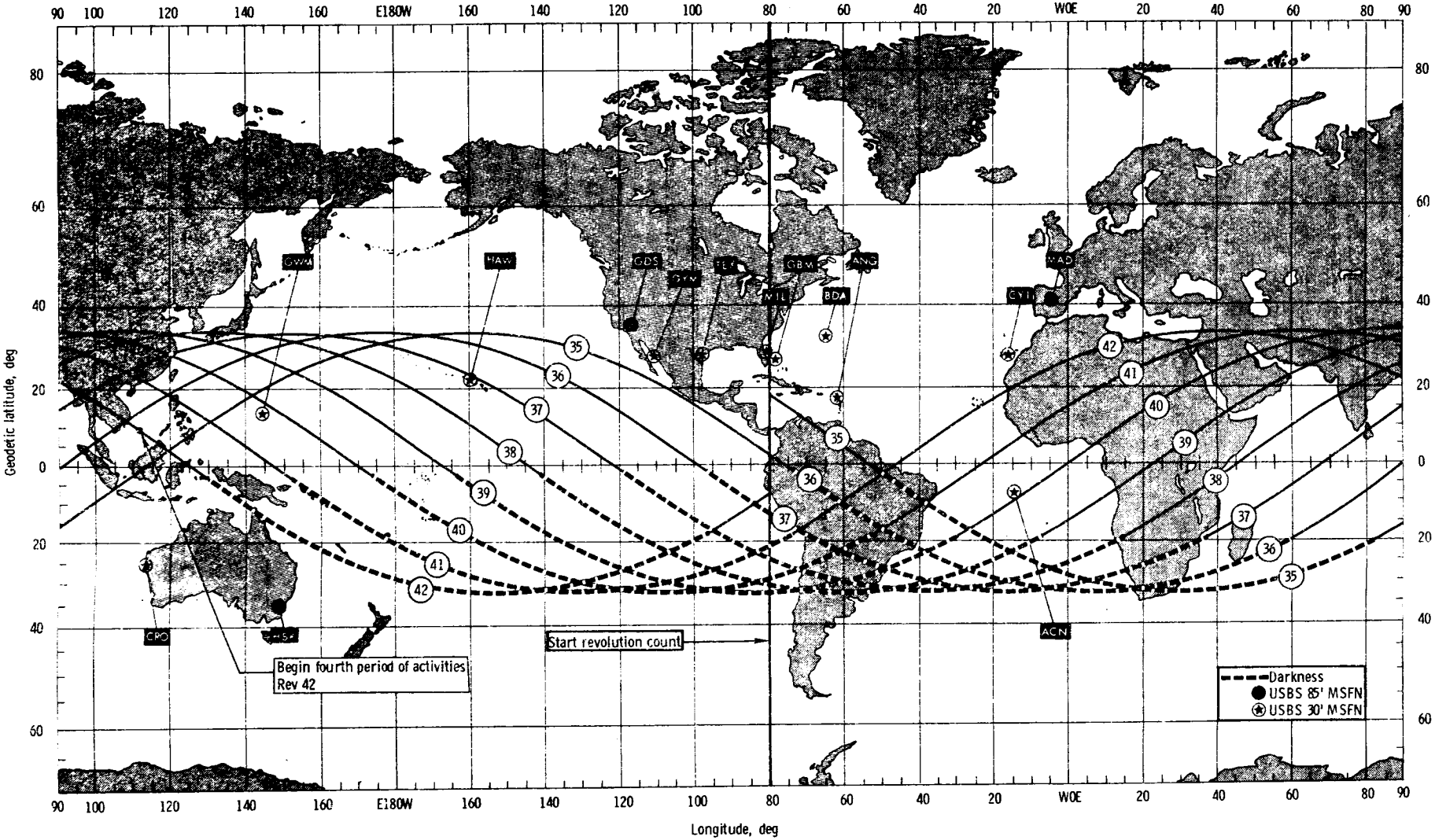

(c) Revolutions 19 through 26.

Figure 2. - Continued.



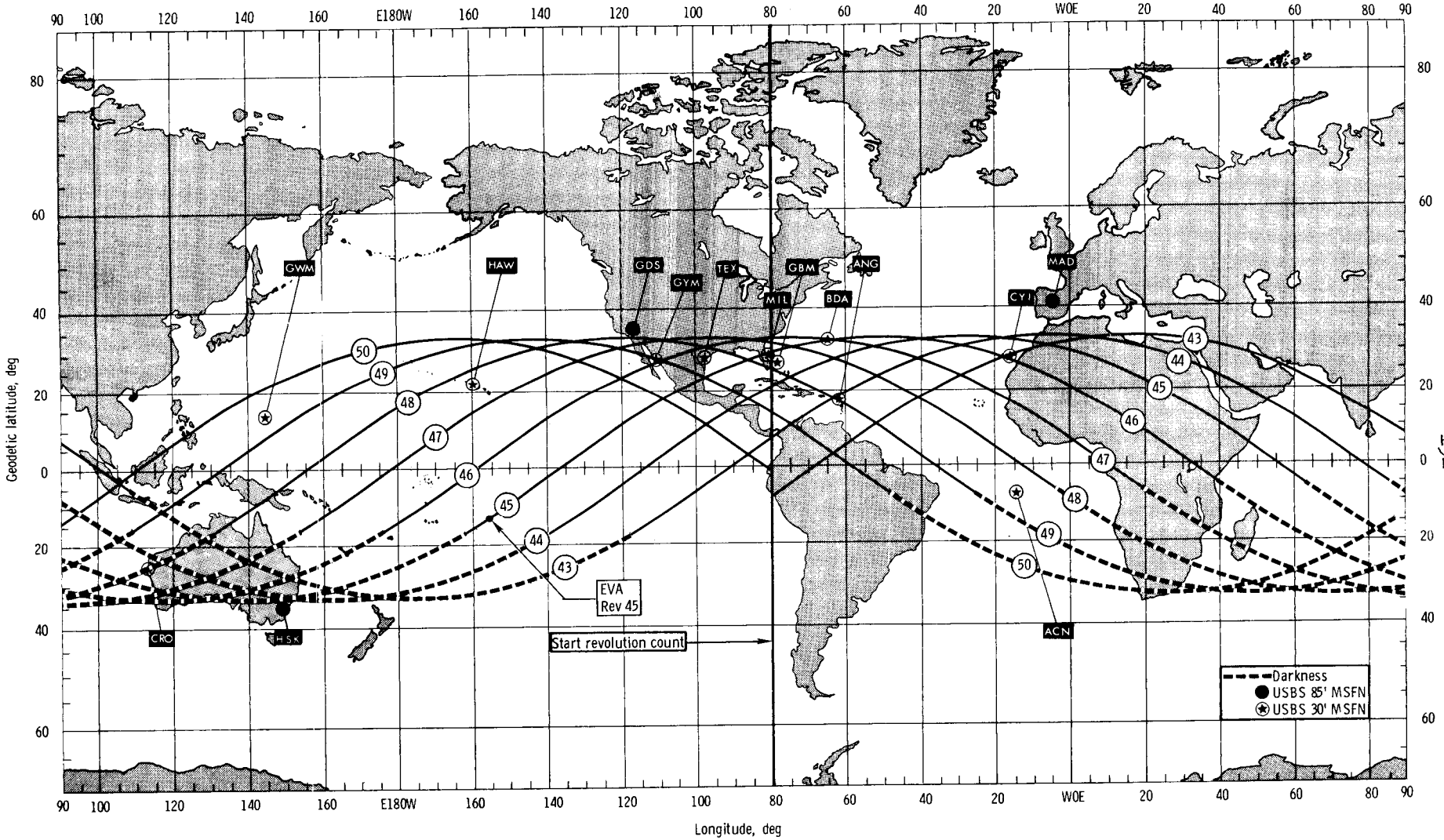

(d) Revolutions 27 through 34.

Figure 2. - Continued.



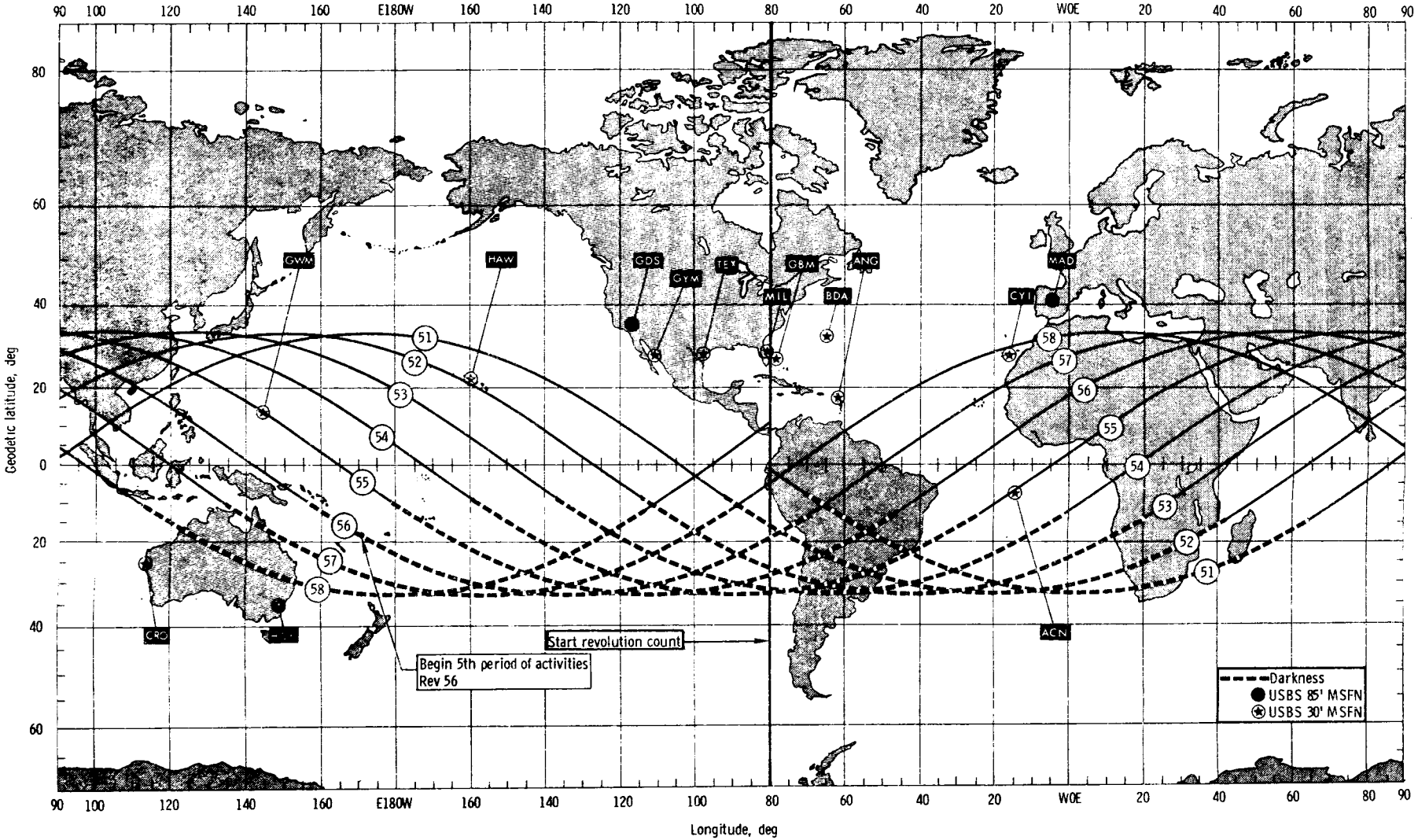

(e) Revolutions 35 through 42.

Figure 2. - Continued.



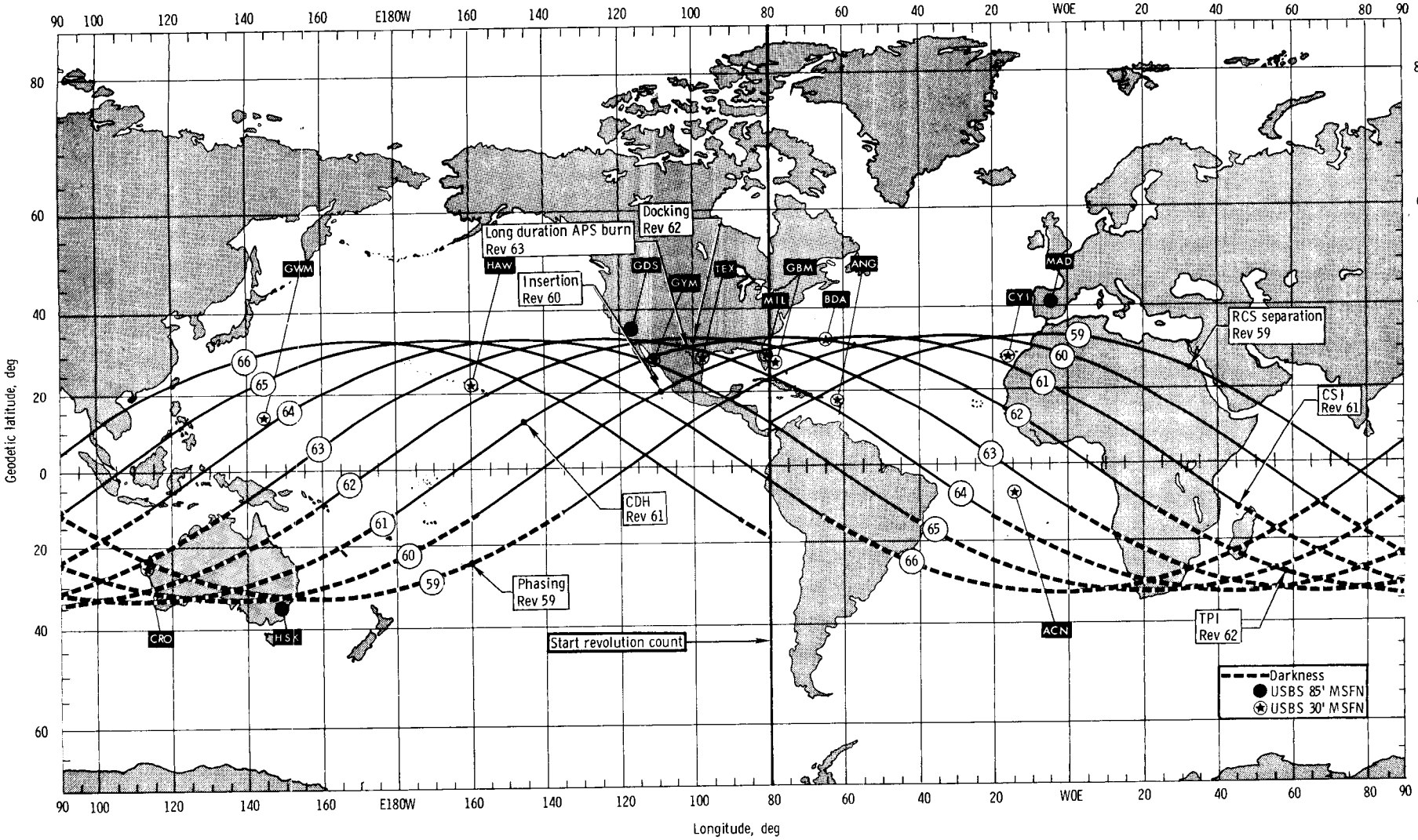

(f) Revolutions 43 through 50.

Figure 2. - Continued.



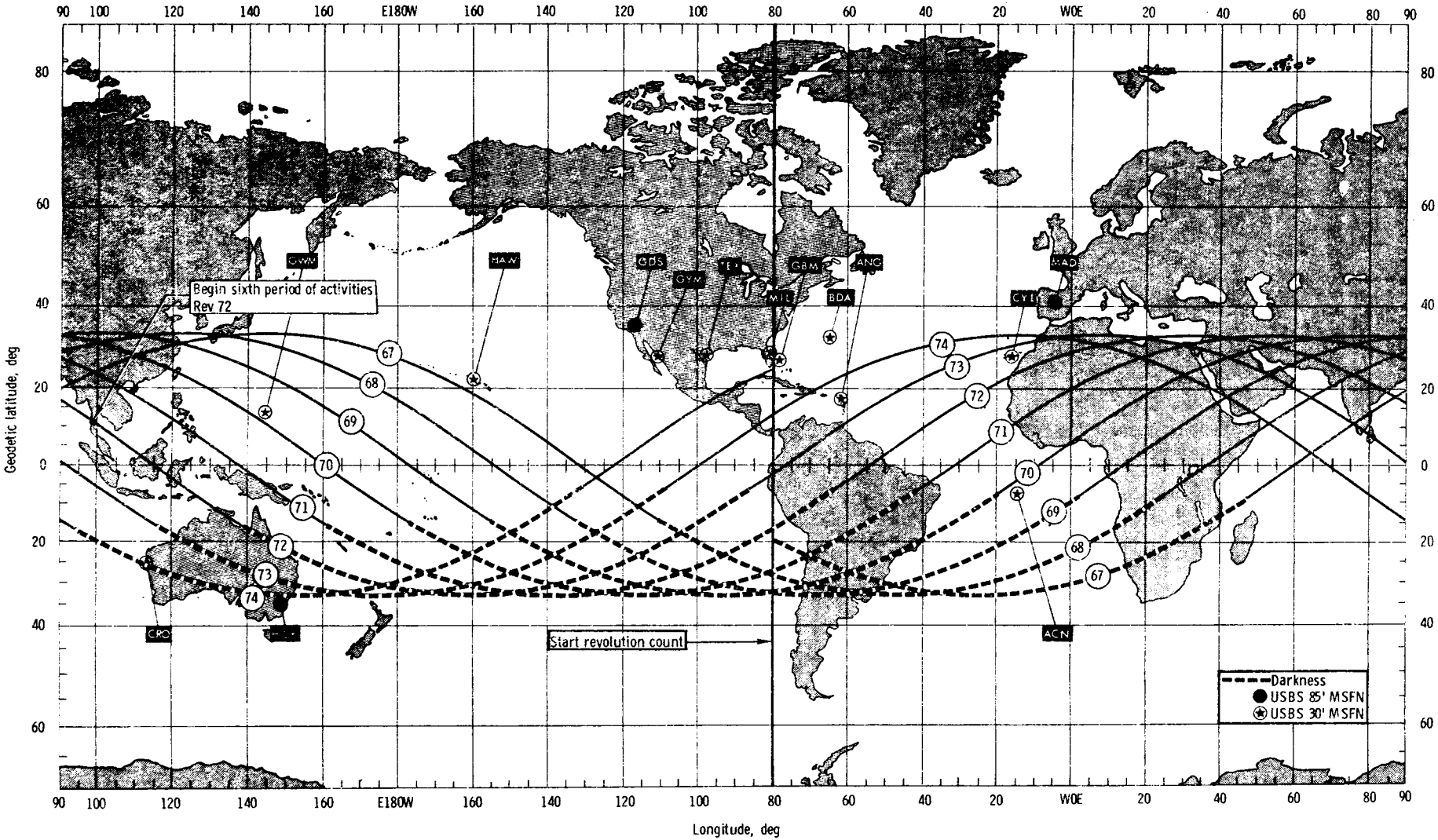

(g) Revolutions 51 through 58.

Figure 2. - Continued.



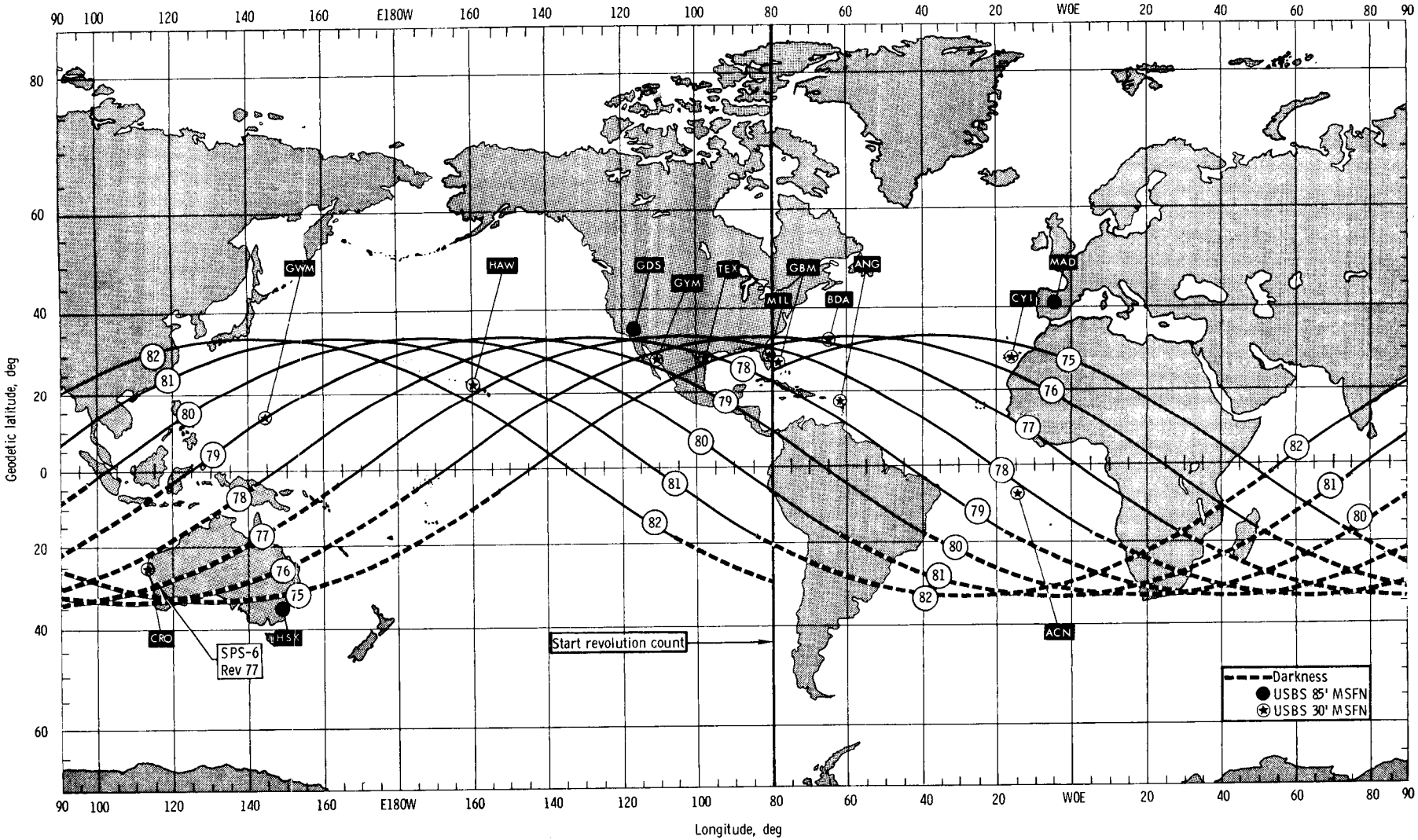

(h) Revolutions 59 through 66.

Figure 2. - Continued.



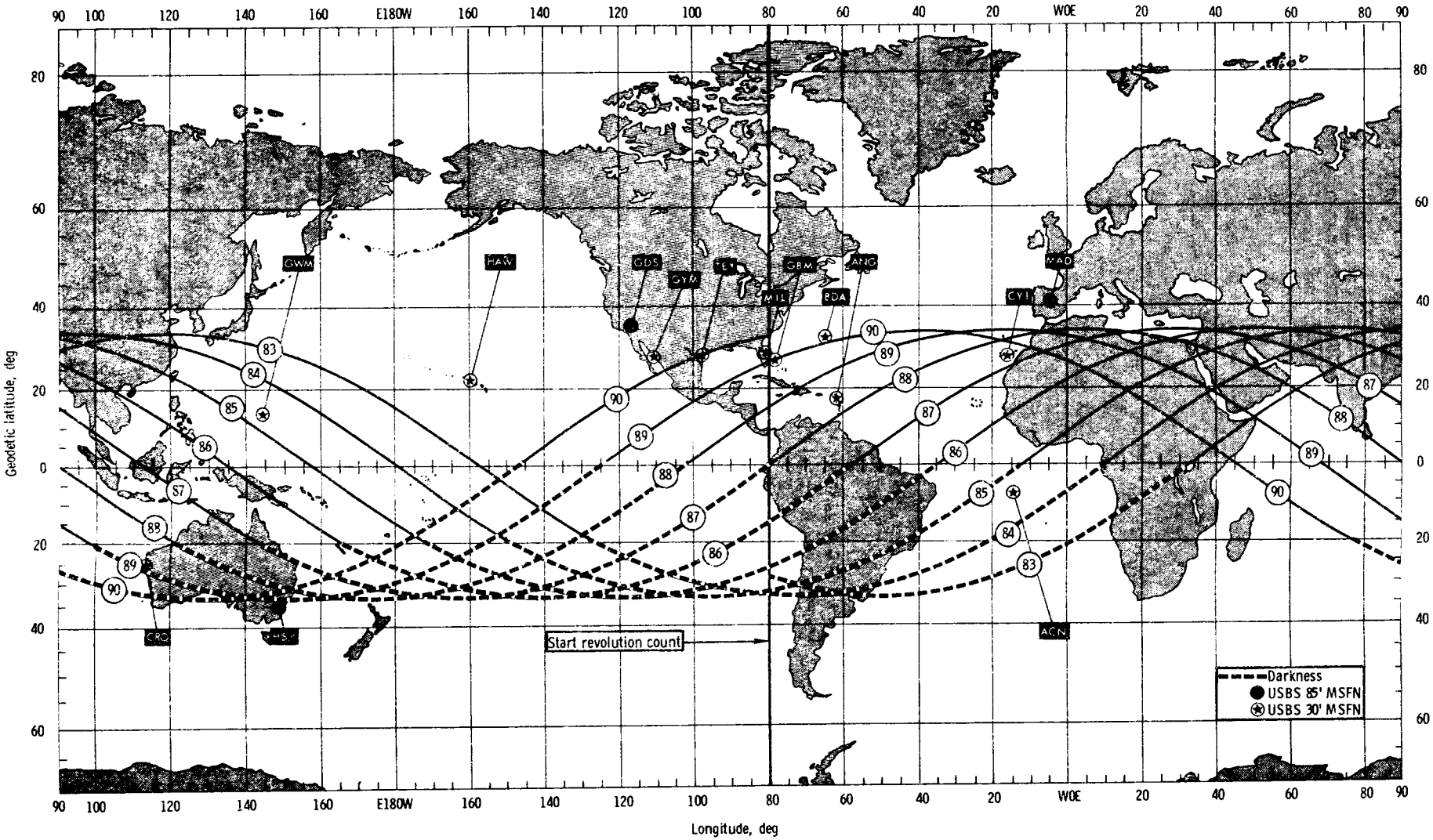

(i) Revolutions 67 through 74.

Figure 2. - Continued.



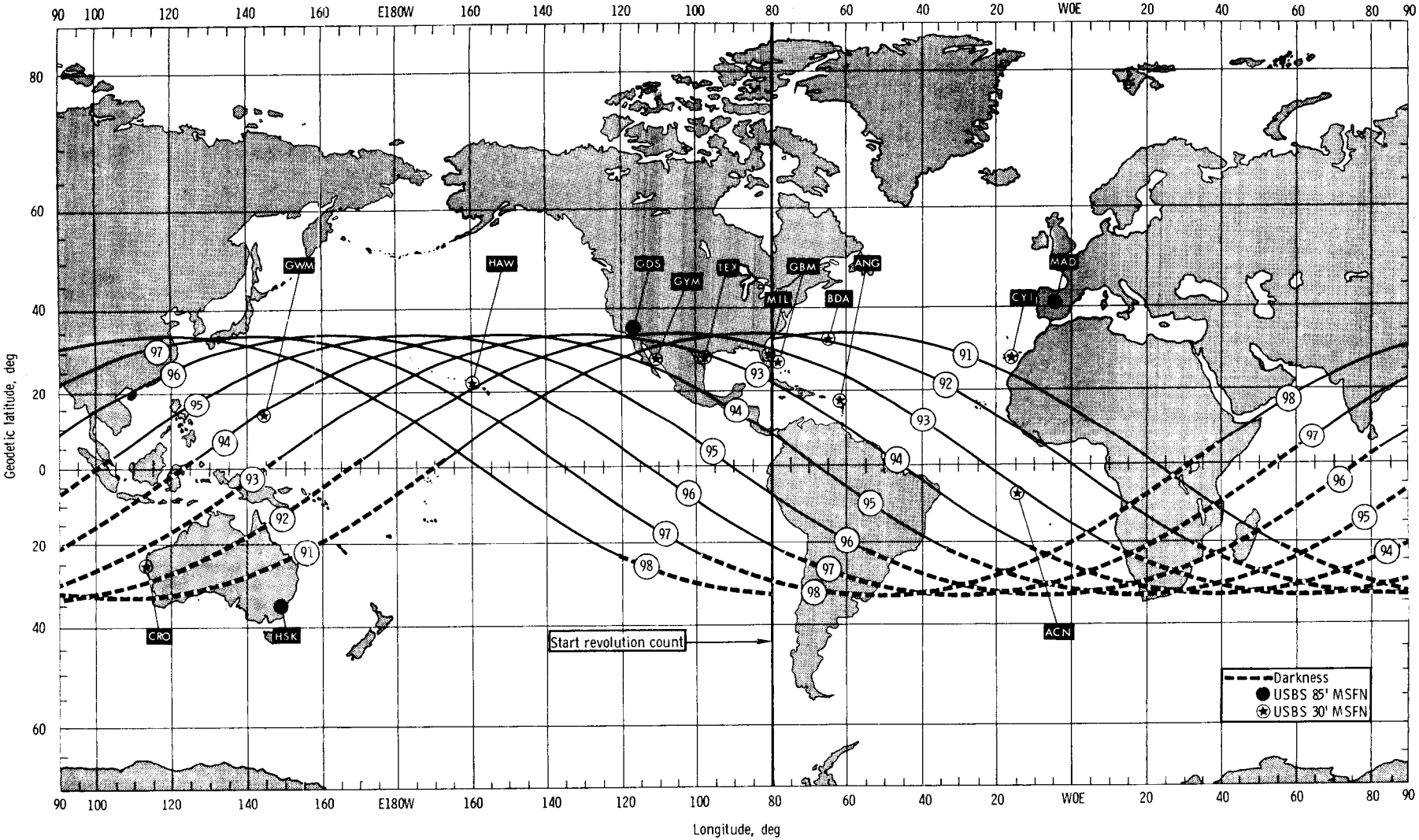

(j) Revolutions 75 through 82.

Figure 2. - Continued.



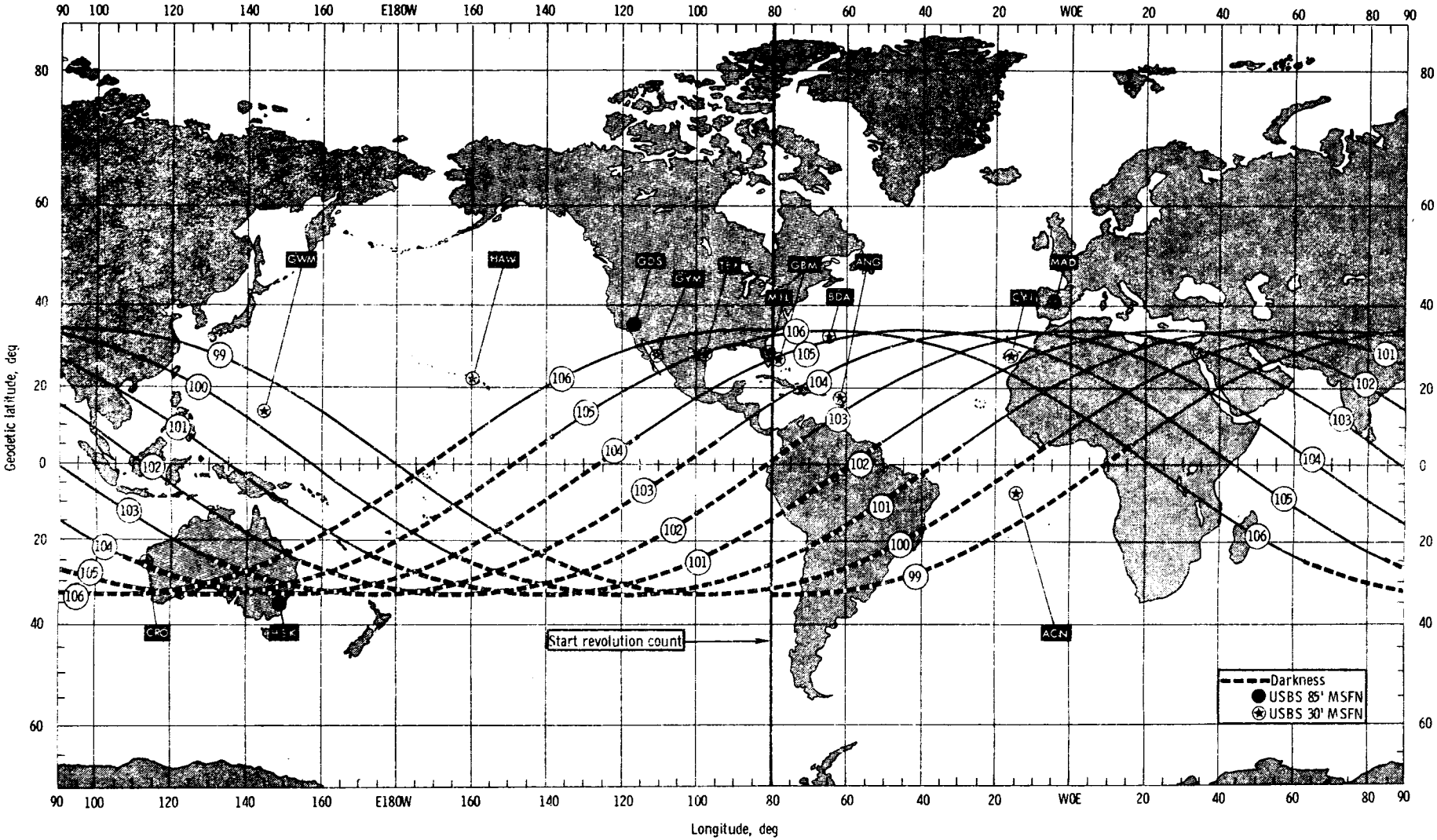

(k) Revolutions 83 through 90.

Figure 2. - Continued.



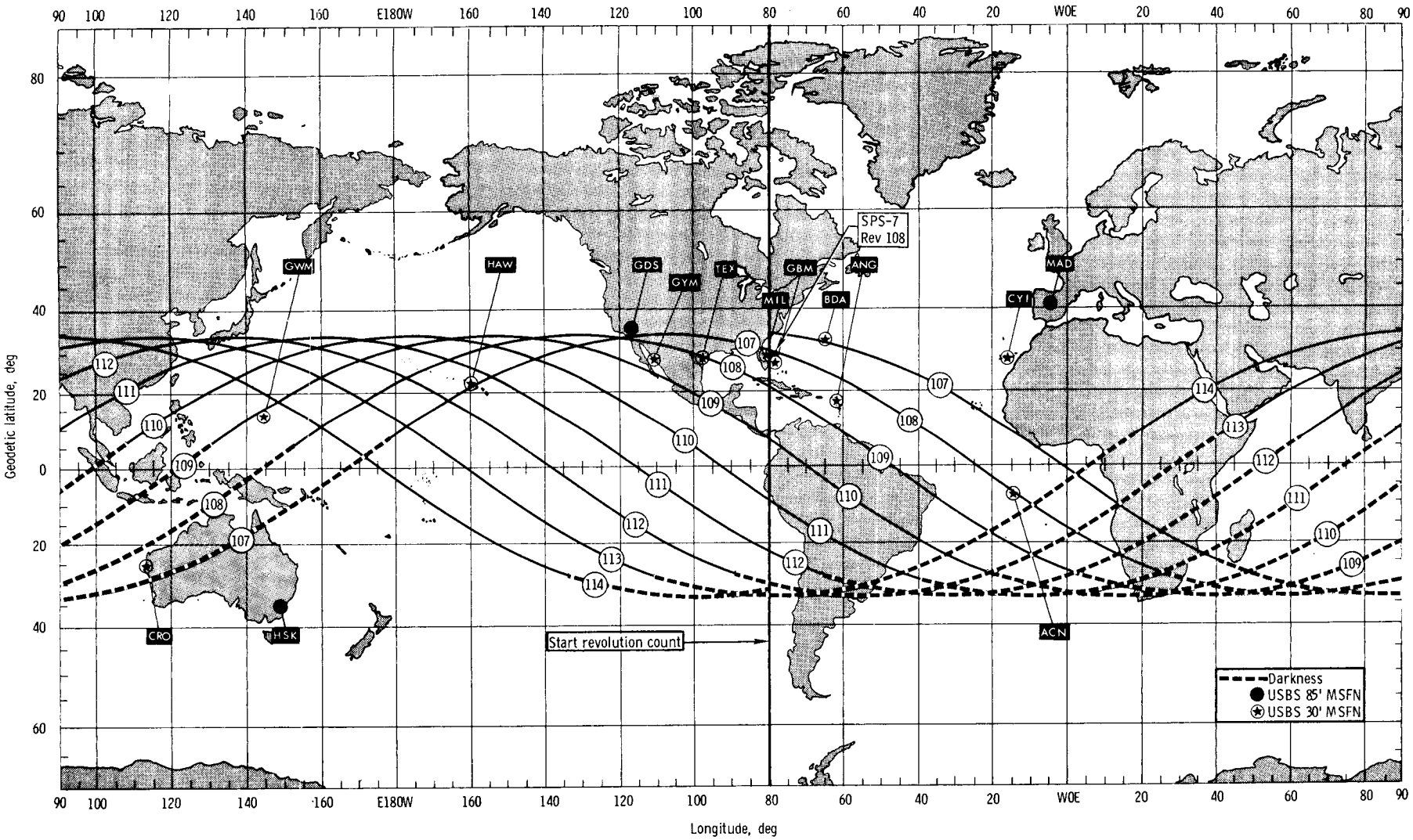

(l) Revolutions 91 through 98.

Figure 2. - Continued.



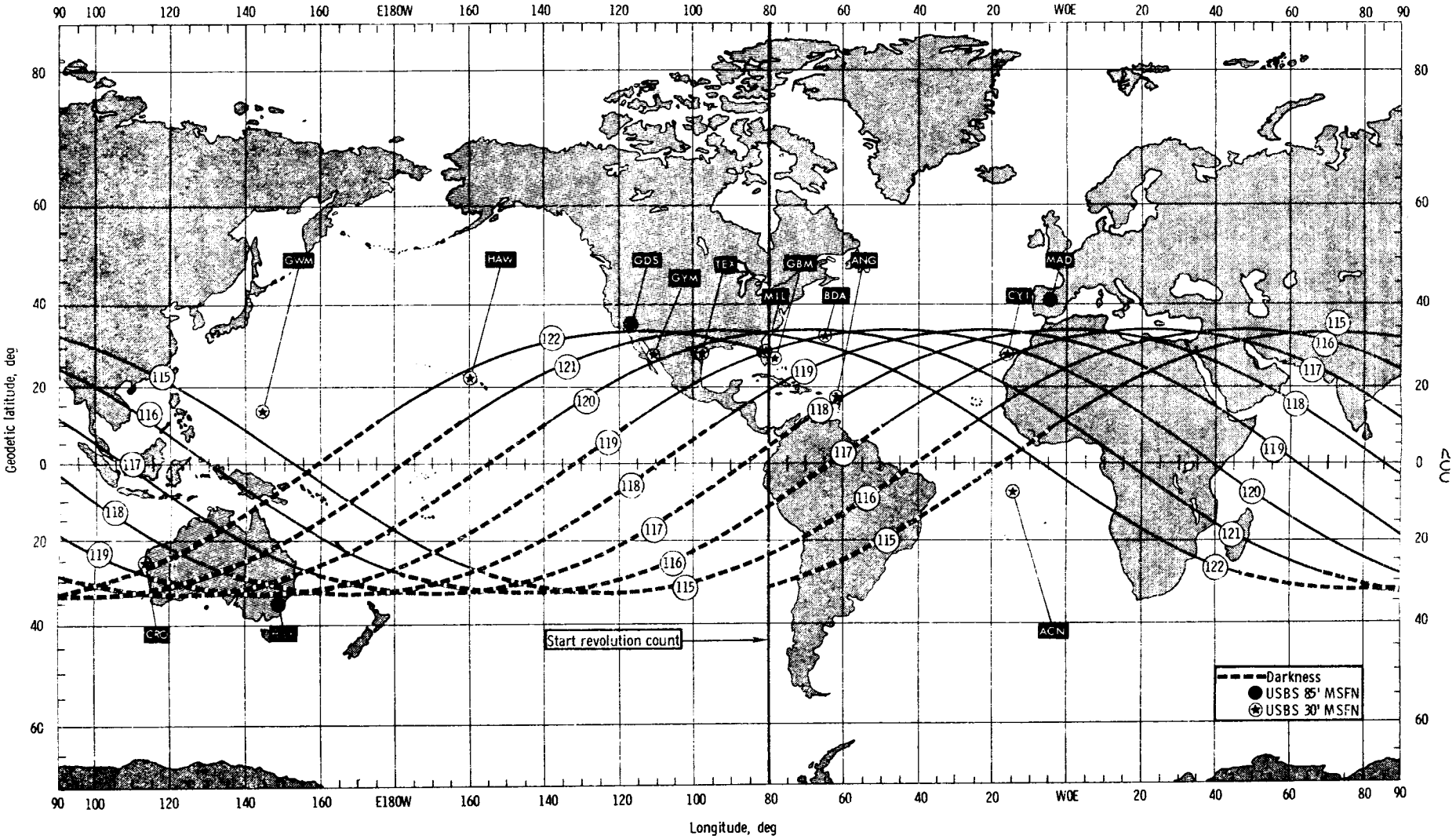

(m) Revolutions 99 through 106.

Figure 2. - Continued.



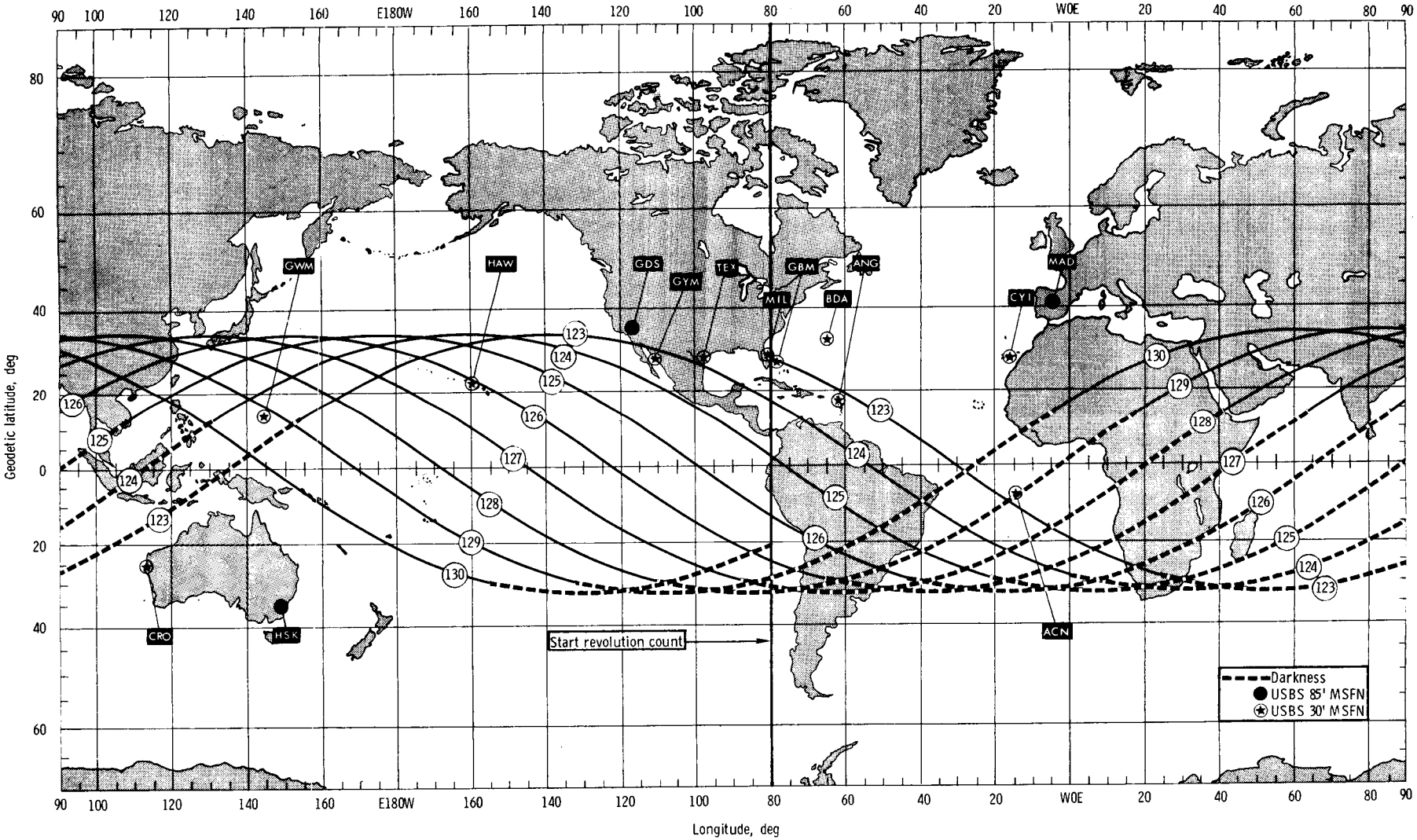

(n) Revolutions 107 through 114.

Figure 2. - Continued.



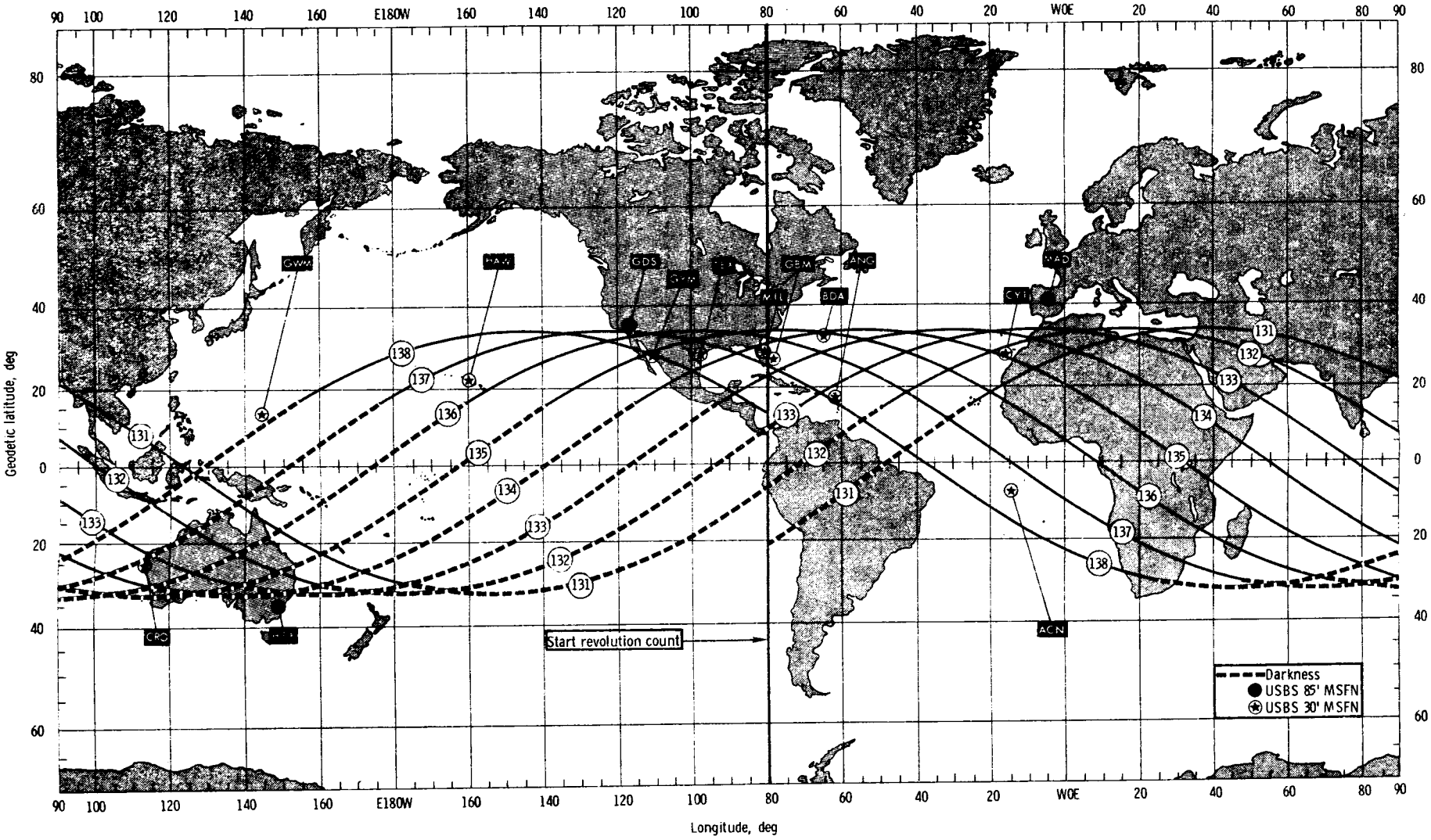

(o) Revolutions 115 through 122.

Figure 2. - Continued.



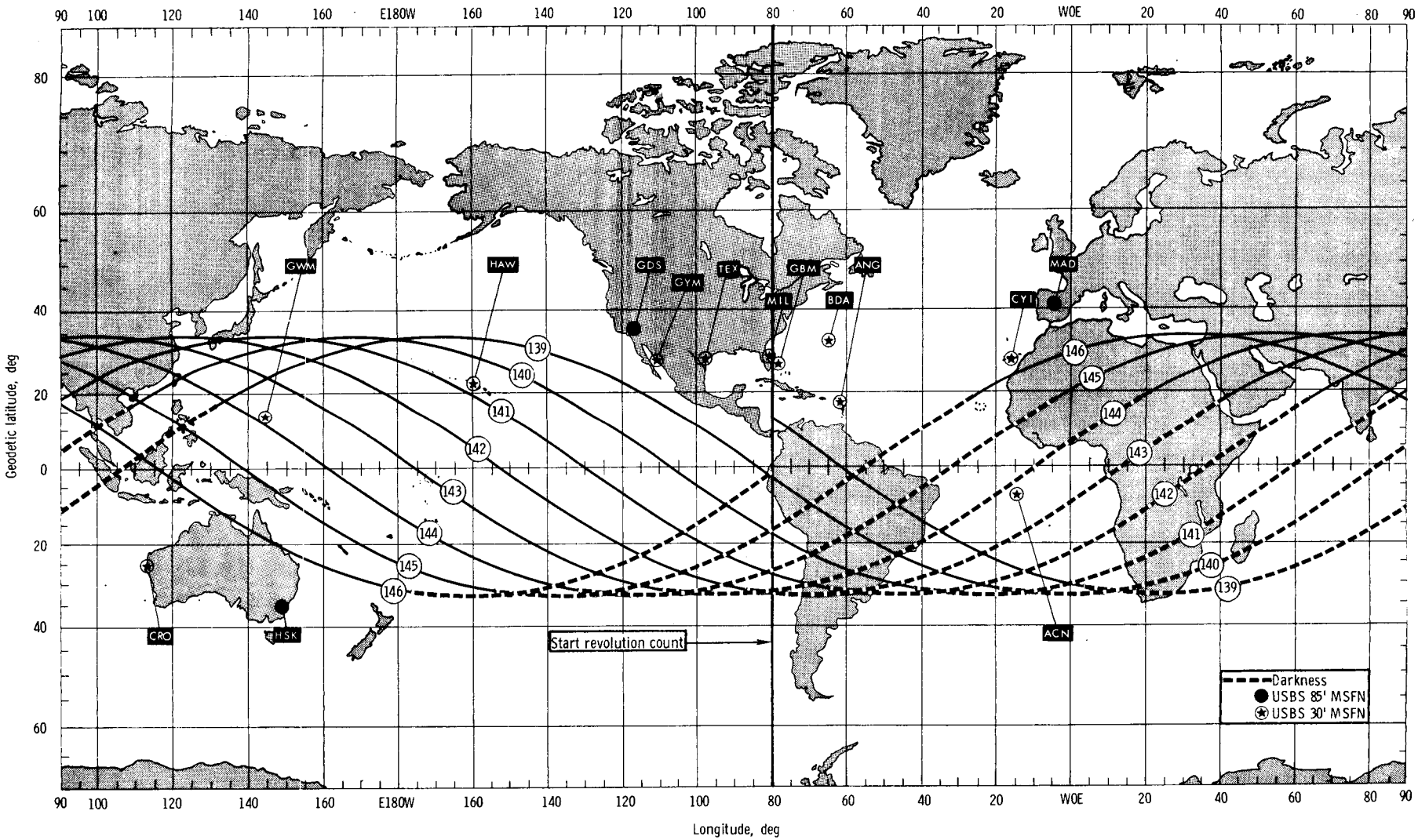

(p) Revolutions 123 through 130.

Figure 2. - Continued.



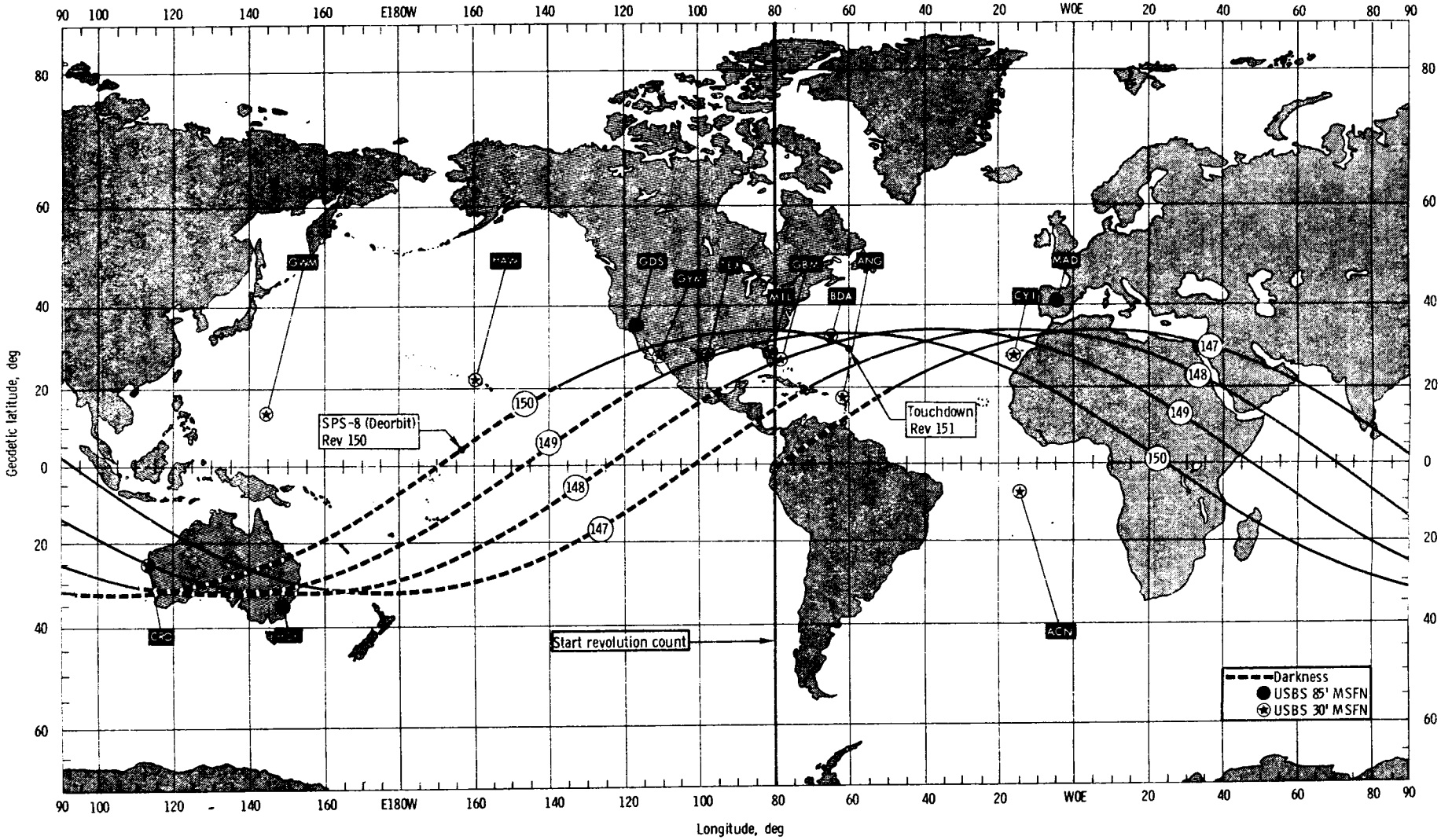

(q) Revolutions 131 through 138.

Figure 2. - Continued.



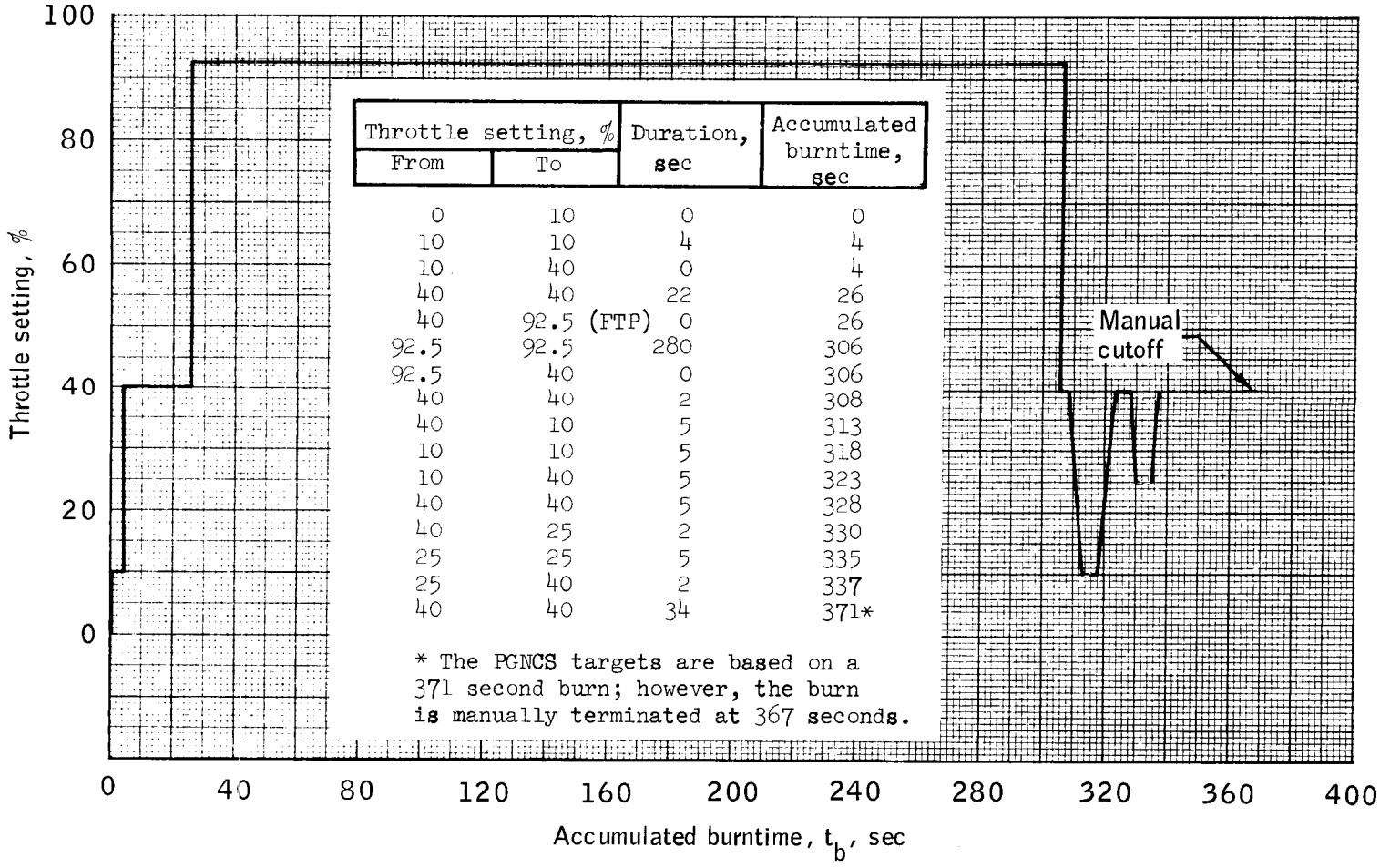

(r) Revolutions 139 through 146.

Figure 2. - Continued.




(s) Revolutions 147 to touchdown.

Figure 2. - Concluded.




| Throttle setting, % From | Throttle setting, % To | Duration, sec | Accumulated burntime, sec |
|---|---|---|---|
| 0 | 10 | 0 | 0 |
| 10 | 10 | 4 | 4 |
| 10 | 40 | 0 | 4 |
| 40 | 40 | 22 | 26 |
| 40 | 92.5 (FTP) | 0 | 26 |
| 92.5 | 92.5 | 280 | 306 |
| 92.5 | 40 | 0 | 306 |
| 40 | 40 | 2 | 308 |
| 40 | 10 | 5 | 313 |
| 10 | 10 | 5 | 318 |
| 10 | 40 | 5 | 323 |
| 40 | 40 | 5 | 328 |
| 40 | 25 | 2 | 330 |
| 25 | 25 | 5 | 335 |
| 25 | 40 | 2 | 337 |
| 40 | 40 | 34 | 371* |

* The PGNCS targets are based on a 371 second burn; however, the burn is manually terminated at 367 seconds.

Figure 3. - DPS throttle profile during docked DPS burn.

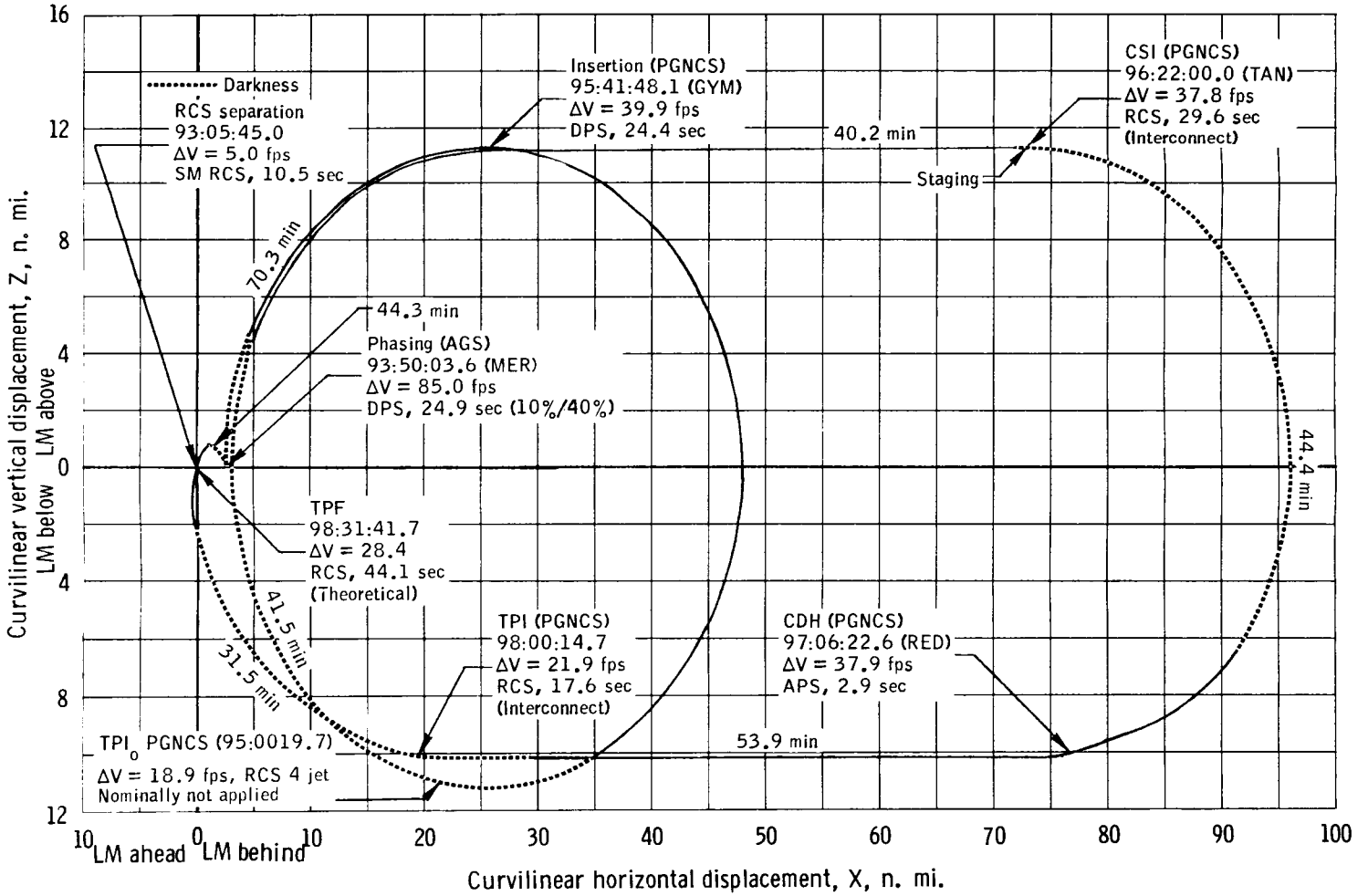



Figure 4.- Relative motion (curvilinear, CSM-centered) for LM-active rendezvous of Apollo 9.

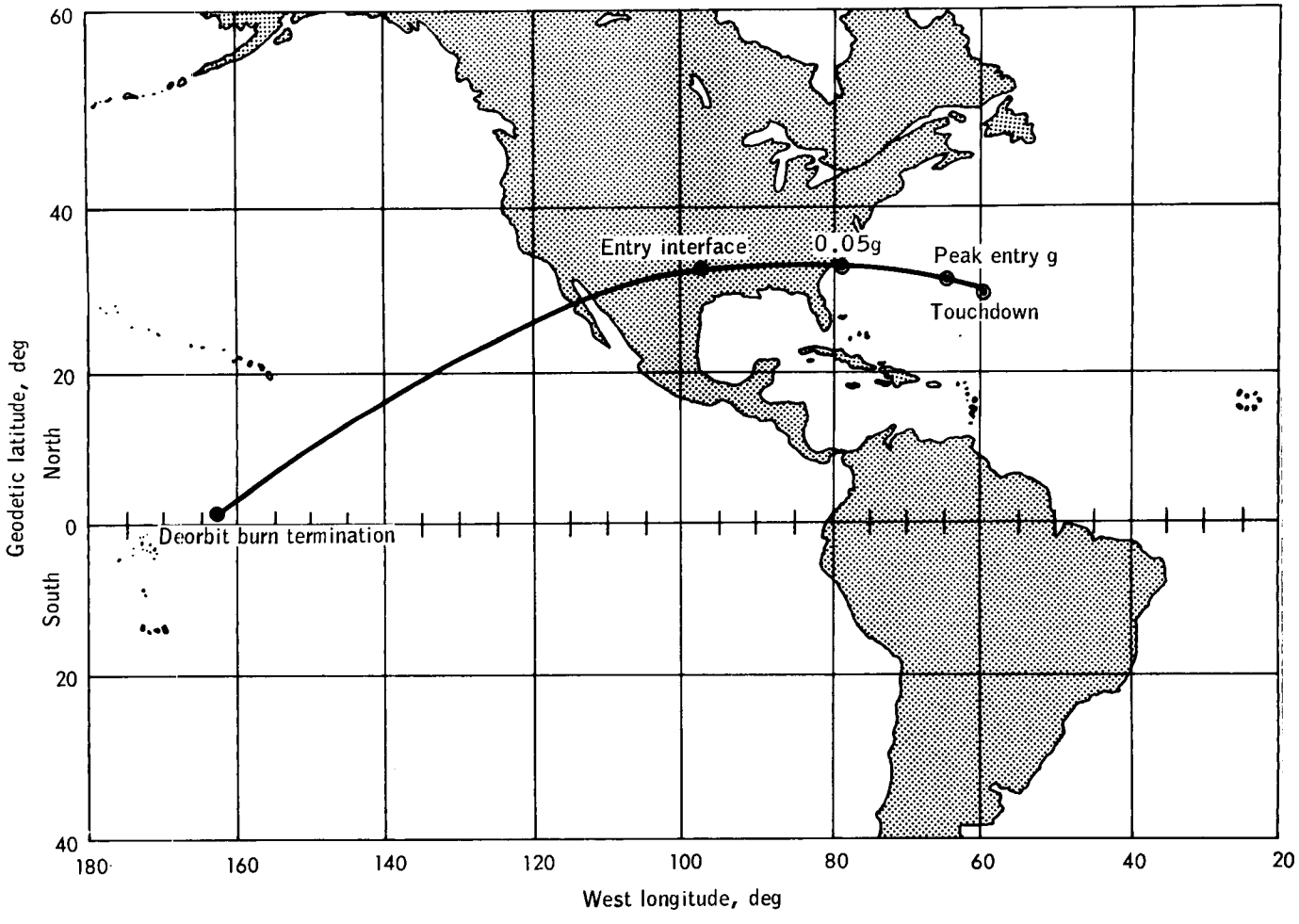



Figure 5 .- Entry ground track for SPS deorbit maneuver.

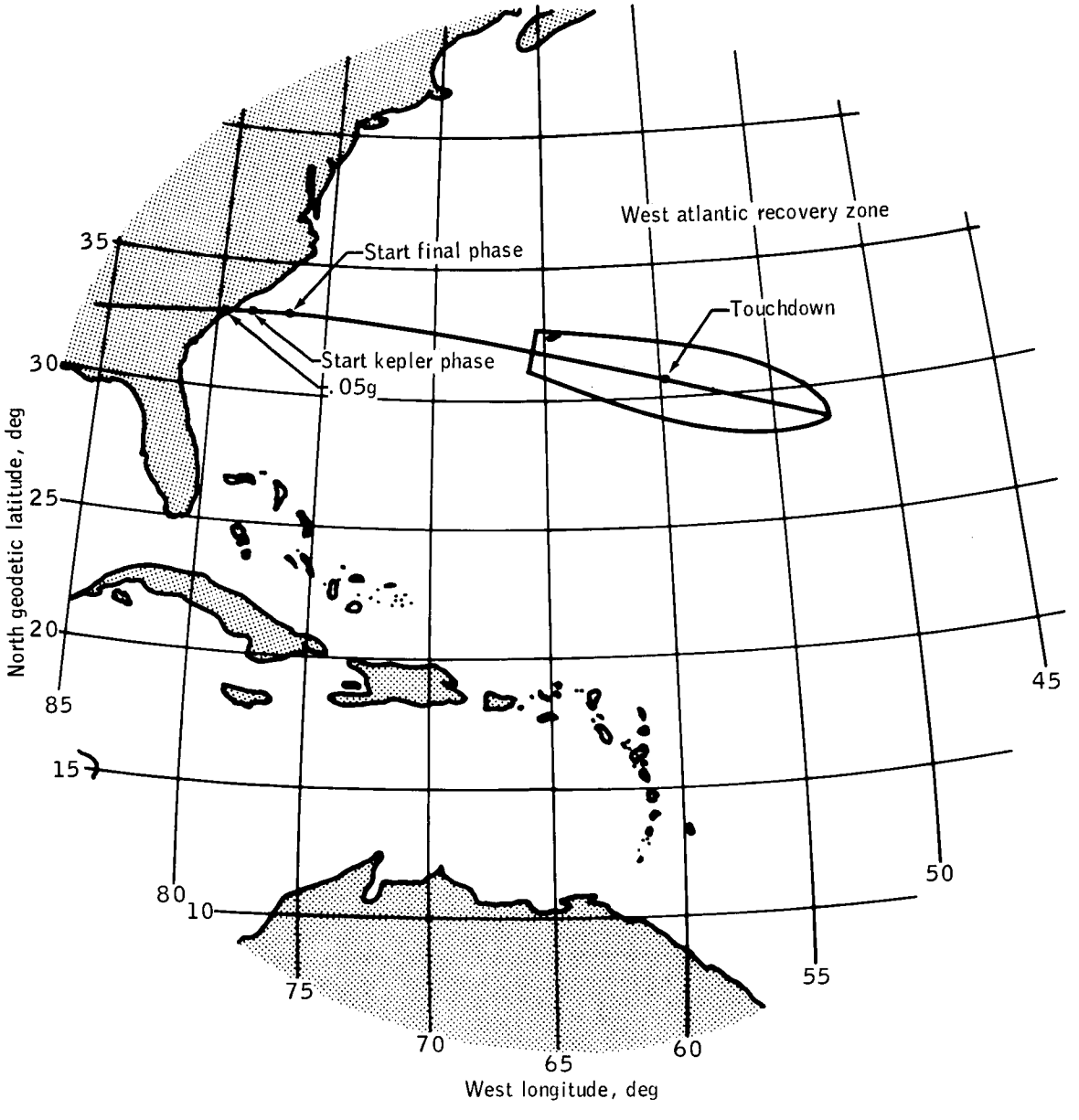



Figure 6. - CM maneuver envelope from an SPS deorbit.

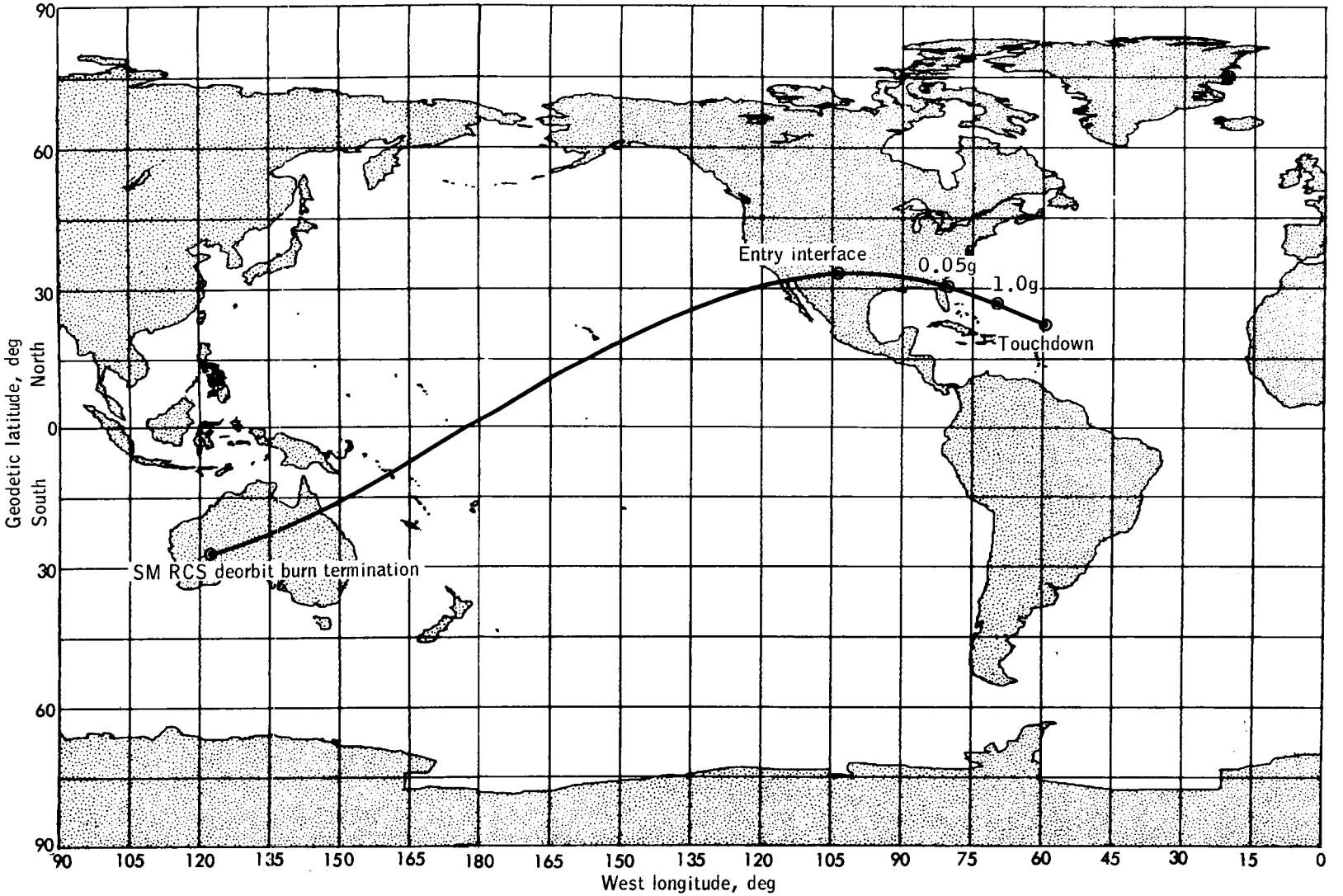



Figure 7 .- Entry ground track for SM/RCS deorbit maneuver.

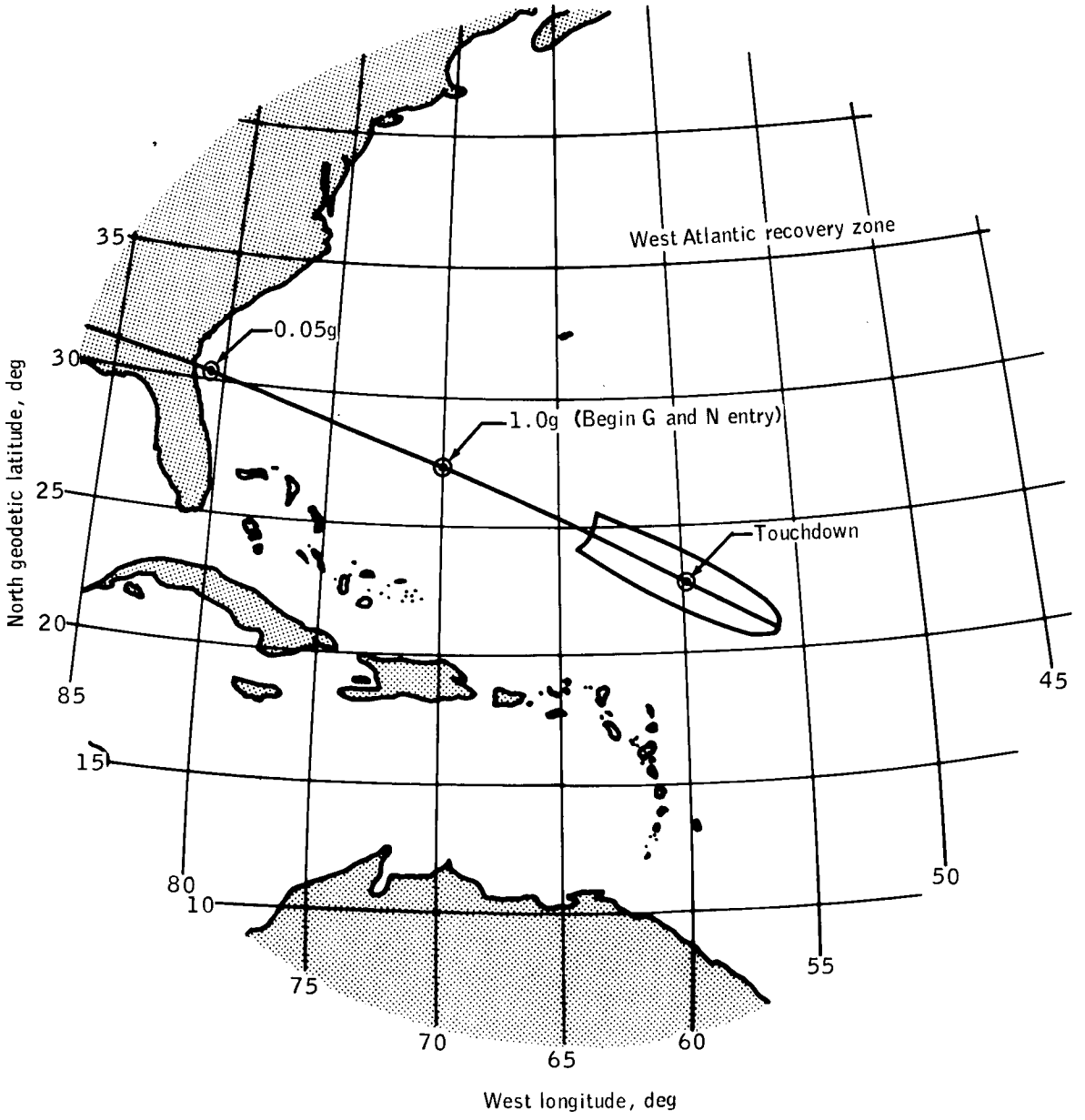



Figure 8 .- CM maneuver envelope from a SM/RCS deorbit.

# REFERENCES


1. Mission Requirements D Type Mission LM Evaluation and Combined Operations. SPS8-R-005, Revision 1, November 6, 1968.

2. CSM/LM Spacecraft Operational Data Book, Volume I, CSM Data Book, Part 1, Constraints and Performance, Revision 1. November 1, 1968.

3. AS-503 Mission D (AS-503/CSM-103/LM-3) Joint Operational Constraints. Joint MSFC/MSC IN 68-FMP-3, June 20, 1968.

4. Flight Control Division Operational Constraints for Mission D. MSC memorandum from 10th FOP Minutes, May 27, 1968.

5. Flight Hardware Constraints on D Mission Planning. MSC memorandum from 10th FOP Minutes, April 29, 1968.

6. Apollo 9 Launch Vehicle Operational Trajectory. MSFC document to be published.

7. MIT: Guidance System Operations Plan for Manned CM Earth Orbital and Lunar Missions Using Program COLOSSUS, Section 3 Digital Autopilots. December 1967.

8. MIT: Guidance System Operations Plan for Manned CM Earth Orbital and Lunar Missions Using Program COLOSSUS, Section 5 Guidance Equations. December 1967.

9. MIT: Guidance System Operations Plan for Manned LM Earth Orbital and Lunar Missions Using Program LUMINARY, Section 5 Guidance Equations. January 1968.

10. Flight Software Branch: Station Characteristics for Apollo Mission Support, Change 5. May 1967.

11. United States Standard Atmosphere, 1962, United States Government Printing Office.

12. York, Will; and Savely, Robert T.: Directory of Standard Geodetic and Geophysical Constants for Gemini and Apollo. NASA General Working Paper No. 10,020B, April 6, 1966.

13. Merriam, R. S.: S-IVB Transposition and Docking Attitude for Mission D (AS-504/CSM-104/LM-3). MSC memorandum 68-FM64-345, November 25, 1968.

14. CSM/LM Spacecraft Operational Data Book, Volume III, Mass Properties, Amendment 31. MSC SNA-8-D-027, March 1968.

15. Hill, Oliver: Verification of the D/CSM-104/LM-3 Trim Aerodynamics Coefficients for Amendment 31 of the CSM/LM Spacecraft Operational Data Book. MSC memorandum 68-FM23-236, January 8, 1968.

16. CSM/LM Spacecraft Operational Data Book, Volume III, Mass Properties, Revision 1. November 1968.

17. Kolkhorst, H. E.; Mayfield, S. O.: Weight Losses for Mission D Due to Consumables. MSC memorandum 68-FM74-573, December 10, 1968.

18. CSM/LM Spacecraft Operational Data Book, Volume I, Amendment 1-45.

19. CSM/LM Spacecraft Operational Data Book, Volume II, Amendment 1-29.

20. Chilton, R. G.: Range Rate Braking Gates for LM/CSM Rendezvous. MSC memorandum EG27-60-67-324, April 24, 1967.

21. Pace, C. W.: Review of the S-IVB/Spacecraft Attitude Timeline and Vent Schedule for the AS-504 (D Mission). December 17, 1968.

22. AS-503 D Mission Launch Vehicle Operational Trajectory. MSFC document R-AERO-FMT-129-68, June 7, 1968.

23. Conway, Harold, L.; Merriam, Robert S.; Spurlin, Harold O.; and Lee, William E.: Apollo Mission D (AS-504/CSM-104/LM-3) Spacecraft Operational Trajectory. Volume I - Mission Profile. MSC IN 68-FM-284, December 2, 1968.

24. Conway, Harold L.; Merriam, Robert S.; Spurlin, Harold O.; and Lee, William E.: Apollo Mission D (AS-504/CSM-104/LM-3) Spacecraft Operational Trajectory. Volume II - Trajectory Listing Part 1 - CSM Parameters. MSC IN 68-FM-285, November 29, 1968.

25. Conway, Harold L.; Merriam, Robert S.; Spurlin, Harold O.; and Lee, William E.: Apollo Mission D (AS-504/CSM-104/LM-3) Spacecraft Operational Trajectory. Volume II - Trajectory Listing Part 2 - LM and CSM/LM Separation Parameters. MSC IN 68-FM-286, November 29, 1968.