193 p

SUI 61-3
Volume IV

N63 84869
Code 5

NASA CR 51524

Department of Physics and Astronomy

# STATE UNIVERSITY OF IOWA

Iowa City

KYT 29951

N63 84869 21
Code 5

# Radiation Observations with Satellite 1958 Alpha (Explorer I)*

(NASA Contract NASw-17; Contract N 9onr-93803; DA-11-022-ORD-2788; and Grant NSF/NAS-IGY-32.1)

(NASA CR-5524; (SUI-61-3, Vol. IV)

(opis)

March, 1961 193 p (orig)

Department of Physics and Astronomy
State University of Iowa State U., Iowa City

4658001

* Research assisted by

(a) National Science Foundation/National Academy of Sciences - I.G.Y. Grant 32.1.

(b) Joint program of Office of Naval Research and Atomic Energy Commission, Contract N9onr-93803.

(c) Contract DA-11-022-ORD-2788 with the Chicago Ordnance District of the Department of the Army.

(d) Contract NASw-17 with the National Aeronautics and Space Administration.

Volume IV

## Table of Contents


| | Page |
|---|---|
| Earthquake Valley (EQV) . . . . . | 550 |
| Nigeria . . . . . | 670 |

## Index of Stations


| | Volume | Pages |
|---|---|---|
| Antigua | II | 183-231 |
| Antofagasta | II | 232-240 |
| Blossom Point | II | 241-257 |
| Earthquake Valley (EQV) | IV | 550-669 |
| Fort Stewart | I | 138-182 |
| Havana | II | 258-320 |
| Jet Propulsion Laboratory (JPL) | V | 739-801 |
| Lima | II | 360-368 |
| Nigeria | IV | 670-738 |
| Patrick Air Force Base (PAFB) | V | 802-850 |
| Quito | II | 321-344 |
| San Diego | II | 345-347 |
| Santiago | V | 851-892 |
| Singapore | V | 893-929 |
| Temple City | II | 348-359 |
| Tokyo | I | 105-137 |
| Woomera | III | 369-549 |

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2[illegible]1

Date 1 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0545 39.9 | 8.50 | 4.5 | 16.9 | 30 59 | -119 53 | 372 |
| 0545 48.8 | 9.74 | 5.5 | 18.1 | 30 51 | -119 13 | 370 |
| 0545 58.6 | 9.83 | 6.0 | 19.5 | 30 42 | -118 29 | 368 |
| 0546 08.2 | 9.60 | 5.0 | 16.7 | 30 32 | -117 47 | 367 |
| 0546 17.7 | 9.29 | 4.5 | 15.5 | 30 22 | -117 05 | 366 |
| 0546 27.3 | 9.90 | 5.0 | 16.2 | 30 11 | -116 22 | 365 |
| 0546 35.9 | 7.20 | 4.0 | 17.8 | 30 02 | -115 44 | 364 |

Local time base cor. 0.99 (cm/sec). Data begins 0545:35.7 U. T. Data ends 0546:39.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2004

Date 2 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0038 24.0 | 2.45 | 4.5 | 58.8 | 25 06 | -116 14 | 1040 |
| 0038 44.2 | 2.65 | 4.5 | 54.3 | 25 33 | -115 08 | 1021 |
| 0038 59.0 | 2.05 | 3.5 | 54.6 | 25 53 | -114 19 | 1006 |
| 0039 12.0 | 1.80 | 2.5 | 44.4 | 26 09 | -113 35 | 994 |
| 0039 46.0 | 1.80 | 2.5 | 44.4 | 26 53 | -111 39 | 961 |
| 0039 53.3 | 1.60 | 2.5 | 50.0 | 27 02 | -111 14 | 554 |
| 0039 59.1 | 3.82 | 5.0 | 41.9 | 27 09 | -110 54 | 949 |
| 0040 06.3 | 1.44 | 2.0 | 44.4 | 27 17 | -110 29 | 942 |
| 0040 13.2 | 1.18 | 1.5 | 40.7 | 27 26 | -110 04 | 936 |
| 0040 27.0 | 2.80 | 3.5 | 40.0 | 27 42 | -109 15 | 923 |
| 0040 33.9 | 3.30 | 5.0 | 48.5 | 27 50 | -108 50 | 916 |
| 0040 44.0 | 8.05 | 11.5 | 45.7 | 28 02 | -108 14 | 907 |
| 0041 27.5 | 2.00 | 3.0 | 48.0 | 28 51 | -105 35 | 867 |
| 0041 49.8 | .95 | 2.0 | 67.4 | 29 16 | -104 13 | 847 |

Local time base cor. 0.99 (cm/sec). Data begins 0038:22.8 U. T. Data ends 0041:50.3 U. T.

Remarks Data questionable. See JPL 8005, Havana D-4, PAFB 1005, Fort Stewart C-2-1.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2005

Date 2 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0239 00.4 | 1.28 | 1.5 | 37.5 | 31 27 | -124 08 | 732 |
| 0239 06.2 | 3.96 | 4.0 | 32.3 | 31 31 | -123 44 | 727 |
| 0239 23.3 | 7.40 | 7.5 | 32.4 | 31 43 | -122 34 | 714 |
| 0239 34.2 | 1.30 | 1.5 | 36.9 | 31 51 | -121 49 | 705 |
| 0239 41.7 | 1.75 | 2.0 | 36.6 | 31 56 | -121 18 | 699 |
| 0239 46.7 | 4.37 | 5.0 | 36.6 | 32 00 | -120 58 | 695 |
| 0239 57.4 | 8.16 | 9.5 | 37.3 | 32 07 | -120 14 | 686 |
| 0240 05.2 | 7.51 | 8.0 | 34.1 | 32 12 | -119 41 | 680 |
| 0240 13.9 | 9.60 | 12.0 | 40.0 | 32 17 | -119 04 | 673 |
| 0240 24.1 | 9.29 | 10.0 | 34.4 | 32 23 | -118 31 | 666 |
| 0240 33.7 | 9.77 | 11.0 | 36.0 | 32 28 | -117 38 | 658 |
| 0240 43.6 | 10.00 | 11.5 | 36.8 | 32 34 | -116 58 | 651 |
| 0240 53.9 | 9.78 | 11.0 | 36.0 | 32 40 | -116 14 | 643 |
| 0241 04.0 | 9.51 | 10.5 | 35.3 | 32 45 | -115 31 | 638 |
| 0241 13.7 | 9.81 | 11.0 | 35.9 | 32 48 | -114 48 | 628 |
| 0241 23.1 | 8.99 | 10.0 | 35.6 | 32 54 | -113 50 | 619 |
| 0241 31.7 | 8.39 | 10.0 | 38.1 | 32 57 | -113 30 | 615 |
| 0241 40.4 | 9.07 | 10.0 | 35.3 | 32 59 | -112 52 | 609 |
| 0241 48.8 | 2.50 | 3.0 | 38.4 | 33 03 | -112 18 | 603 |
| 0241 55.4 | 2.39 | 3.0 | 40.2 | 33 05 | -111 46 | 598 |
| 0242 08.1 | 4.84 | 5.5 | 36.4 | 33 09 | -110 50 | 590 |

Local time base cor. 0.99 (cm/sec). Data begins 0238:59.8 U. T. Data ends 0242:10.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2006

Date 2 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0441 12.0 | 4.40 | 4.5 | 32.7 | 32 47 | -120 47 | 448 |
| 0441 19.3 | 4.51 | 4.0 | 28.4 | 32 43 | -120 14 | 445 |
| 0441 26.1 | 5.15 | 4.5 | 28.0 | 32 39 | -119 43 | 442 |
| 0441 36.4 | 9.49 | 8.0 | 27.0 | 32 34 | -118 56 | 437 |
| 0441 46.1 | 9.90 | 9.0 | 29.1 | 32 28 | -118 12 | 433 |
| 0441 55.8 | 9.46 | 8.0 | 27.1 | 32 23 | -117 28 | 429 |
| 0442 05.3 | 9.62 | 8.0 | 26.6 | 32 17 | -116 45 | 425 |
| 0442 14.0 | 9.70 | 8.0 | 26.4 | 32 11 | -116 06 | 422 |
| 0442 24.7 | 9.69 | 8.5 | 28.1 | 32 03 | -115 17 | 418 |
| 0442 34.7 | 9.75 | 9.5 | 31.2 | 31 56 | -114 32 | 414 |
| 0442 43.5 | 7.70 | 6.5 | 27.0 | 31 50 | -113 52 | 411 |
| 0442 51.2 | 7.82 | 7.0 | 28.6 | 31 44 | -113 17 | 408 |
| 0443 02.8 | 7.70 | 6.0 | 24.9 | 31 35 | -112 24 | 404 |

Local time base cor. 0.99 (cm/sec). Data begins 0441:09.8 U. T. Data ends 0443:06.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2007

Date 2 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E - F

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0641 50.6 | 3.10 | 2.5 | 25.8 | 26 57 | -124 12 | 359 |

Local time base cor. 0.99 (cm/sec). Data begins 0641:49.0 U. T. Data ends 0641:50.6 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2010

Date 3 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0134 09.6 | 2.28 | 3.5 | 49.1 | 29 02 | -123 37 | 962 |
| 0134 42.4 | 1.59 | 2.5 | 50.3 | 29 35 | -121 37 | 931 |
| 0134 51.2 | 2.59 | 4.0 | 49.4 | 29 44 | -121 05 | 923 |
| 0134 58.1 | 2.83 | 4.0 | 45.2 | 29 51 | -120 40 | 916 |
| 0135 03.4 | 2.16 | 3.5 | 51.9 | 29 56 | -120 20 | 911 |
| 0135 12.4 | 3.30 | 5.5 | 53.3 | 30 04 | -119 46 | 903 |
| 0135 23.2 | 7.74 | 12.5 | 51.7 | 30 14 | -119 05 | 893 |
| 0135 41.4 | 7.50 | 11.0 | 46.9 | 30 31 | -117 56 | 876 |
| 0135 47.9 | 8.12 | 12.0 | 47.3 | 30 37 | -117 32 | 870 |
| 0135 56.9 | 9.89 | 14.0 | 45.3 | 30 45 | -116 58 | 862 |
| 0136 06.6 | 9.50 | 14.0 | 47.2 | 30 53 | -116 20 | 853 |
| 0136 16.4 | 10.00 | 15.0 | 48.0 | 31 01 | -115 41 | 845 |
| 0136 26.1 | 9.55 | 15.0 | 50.3 | 31 09 | -115 03 | 836 |
| 0136 35.9 | 9.98 | 14.5 | 46.5 | 31 17 | -114 25 | 827 |
| 0136 45.9 | 9.90 | 14.0 | 45.3 | 31 25 | -113 46 | 819 |
| 0136 53.6 | 5.73 | 9.0 | 50.3 | 31 31 | -113 15 | 812 |
| 0136 59.9 | 6.85 | 10.5 | 49.1 | 31 36 | -112 50 | 806 |
| 0137 06.5 | 6.40 | 9.0 | 45.0 | 31 40 | -112 24 | 800 |
| 0137 15.9 | 2.68 | 4.0 | 47.8 | 31 47 | -111 46 | 792 |
| 0137 21.7 | 3.85 | 6.0 | 49.9 | 31 50 | -111 22 | 787 |
| 0137 36.0 | 2.60 | 4.0 | 49.2 | 32 00 | -110 24 | 775 |

Local time base cor. 0.99 (cm/sec). Data begins 0132:59.5 U. T. Data ends 0137:37.3 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2011

Date 3 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0336 14.4 | 8.85 | 10.0 | 36.2 | 33 23 | -123 14 | 602 |
| 0336 25.8 | 3.41 | 4.0 | 37.5 | 33 23 | -122 24 | 594 |
| 0336 32.6 | 4.08 | 5.0 | 39.2 | 33 23 | -121 54 | 589 |
| 0336 42.2 | 9.55 | 11.0 | 36.9 | 33 23 | -121 11 | 582 |
| 0336 51.9 | 9.90 | 11.5 | 37.2 | 33 23 | -120 28 | 576 |
| 0337 01.6 | 9.59 | 11.5 | 38.4 | 33 23 | -119 45 | 569 |
| 0337 11.0 | 9.36 | 10.5 | 35.9 | 33 21 | -119 03 | 563 |
| 0337 20.6 | 9.85 | 10.5 | 34.1 | 33 20 | -118 20 | 557 |
| 0337 30.5 | 9.85 | 11.5 | 37.4 | 33 18 | -117 35 | 551 |
| 0337 40.3 | 9.91 | 12.5 | 40.4 | 33 16 | -116 51 | 544 |
| 0337 49.8 | 9.15 | 10.0 | 34.9 | 33 15 | -116 09 | 538 |
| 0337 59.3 | 9.95 | 11.0 | 35.4 | 33 13 | -115 26 | 532 |
| 0338 09.2 | 9.79 | 11.0 | 36.0 | 33 10 | -114 41 | 526 |
| 0338 18.4 | 8.57 | 9.5 | 35.5 | 33 06 | -114 00 | 521 |
| 0338 27.6 | 9.90 | 11.5 | 37.1 | 33 03 | -113 18 | 516 |

Local time base cor. 0.99 (cm/sec). Data begins 0336:10.0 U. T. Data ends 0338:32.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2012

Date 3 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0537 50.1 | 7.47 | 6.5 | 27.8 | 29 35 | -122 11 | 396 |
| 0537 57.3 | 6.89 | 5.5 | 25.5 | 29 27 | -121 40 | 394 |
| 0538 04.3 | 6.93 | 6.0 | 27.7 | 29 19 | -121 10 | 392 |
| 0538 10.9 | 4.49 | 5.0 | 24.7 | 29 10 | -120 41 | 390 |
| 0538 19.4 | 4.69 | 4.0 | 27.3 | 28 55 | -120 25 | 388 |

Local time base cor. 0.99 (cm/sec). Data begins 0537:46.4 U. T. Data ends 0538:21.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2015

Date 4 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0030 19.1 | 2.10 | 4.5 | 68.5 | 27 27 | -117 58 | 1149 |
| 0030 27.5 | 4.28 | 8.5 | 63.6 | 27 37 | -117 30 | 1141 |
| 0030 46.4 | 2.81 | 6.0 | 68.3 | 27 58 | -116 27 | 1122 |
| 0031 07.8 | 2.30 | 4.5 | 62.6 | 28 21 | -115 15 | 1101 |
| 0031 39.0 | 4.64 | 9.5 | 65.5 | 28 54 | -113 27 | 1070 |
| 0032 31.7 | 4.01 | 7.0 | 55.9 | 29 46 | -110 20 | 1019 |

Local time base cor. 0.99 (cm/sec). Data begins 0030:18 U. T. Data ends 0032:34 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2016

Date 4 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0231 44.3 | 4.60 | 7.0 | 48.7 | 32 51 | -122 21 | 783 |
| 0231 52.4 | 7.46 | 11.0 | 47.1 | 32 55 | -121 47 | 776 |
| 0232 00.7 | 9.03 | 13.0 | 46.1 | 32 58 | -121 13 | 769 |
| 0232 10.0 | 9.79 | 13.5 | 44.1 | 33 01 | -120 34 | 761 |
| 0232 23.0 | 9.60 | 14.0 | 46.7 | 33 05 | -119 39 | 751 |
| 0232 32.6 | 9.50 | 13.0 | 43.7 | 33 08 | -119 00 | 743 |
| 0232 42.1 | 9.49 | 14.0 | 47.2 | 33 11 | -118 19 | 735 |
| 0232 51.8 | 10.00 | 16.0 | 51.2 | 33 14 | -117 34 | 727 |
| 0233 01.4 | 9.39 | 14.0 | 47.7 | 33 16 | -116 58 | 719 |
| 0233 11.8 | 9.20 | 13.0 | 45.2 | 33 18 | -116 13 | 710 |
| 0233 21.0 | 9.25 | 14.0 | 48.4 | 33 19 | -115 34 | 703 |
| 0233 30.5 | 9.82 | 14.0 | 45.5 | 33 20 | -114 53 | 695 |
| 0233 43.3 | 9.50 | 14.0 | 47.2 | 33 22 | -113 58 | 685 |
| 0233 53.0 | 9.97 | 13.0 | 41.7 | 33 23 | -113 16 | 677 |
| 0234 01.7 | 7.50 | 11.0 | 46.8 | 33 24 | -112 39 | 671 |
| 0234 11.0 | 5.20 | 7.0 | 43.1 | 33 24 | -111 58 | 664 |
| 0234 29.2 | 4.35 | 6.0 | 44.1 | 33 23 | -110 38 | 650 |

Local time base cor. 0.99 (cm/sec). Data begins 0231:42.0 U. T. Data ends 0234:31.4 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2017

Date 4 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0433 19.9 | 8.02 | 9.0 | 35.9 | 31 49 | -121 59 | 496 |
| 0433 36.1 | 9.96 | 11.0 | 35.3 | 31 37 | -120 48 | 487 |
| 0433 45.6 | 9.06 | 9.0 | 31.8 | 31 29 | -120 06 | 482 |
| 0433 55.0 | 9.70 | 10.5 | 34.6 | 31 22 | -119 25 | 476 |
| 0434 05.4 | 11.29 | 12.0 | 34.0 | 31 13 | -118 39 | 471 |
| 0434 16.7 | 11.20 | 13.0 | 37.1 | 31 02 | -117 50 | 466 |
| 0434 28.0 | 11.50 | 12.0 | 33.3 | 30 51 | -117 01 | 460 |
| 0434 39.5 | 11.70 | 13.0 | 35.6 | 30 40 | -116 11 | 455 |
| 0434 49.7 | 8.90 | 9.0 | 32.4 | 30 31 | -115 26 | 450 |
| 0435 00.3 | 12.10 | 14.0 | 37.0 | 30 21 | -114 40 | 445 |
| 0435 10.4 | 8.00 | 8.5 | 34.0 | 30 09 | -113 56 | 440 |

Local time base cor. 0.99 (cm/sec). Data begins 0433:15.9 U. T. Data ends 0435:14.4 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2021

Date 5 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0124 51.5 | .80 | 1.5 | 60.0 | 29 53 | -128 06 | 1123 |
| 0125 24.0 | 1.40 | 2.5 | 57.1 | 30 23 | -126 11 | 1091 |
| 0125 40.0 | .90 | 1.5 | 53.3 | 30 37 | -125 14 | 1076 |
| 0125 46.9 | 1.05 | 2.5 | 76.1 | 30 43 | -124 49 | 1069 |
| 0126 01.2 | 2.75 | 5.0 | 58.1 | 30 55 | -123 58 | 1054 |
| 0126 07.6 | 3.60 | 6.0 | 53.3 | 31 00 | -123 34 | 1048 |
| 0126 15.4 | 1.35 | 2.0 | 47.4 | 31 06 | -123 05 | 1041 |
| 0126 22.3 | 1.78 | 3.0 | 53.9 | 31 11 | -122 39 | 1034 |
| 0126 30.1 | 4.35 | 7.0 | 51.5 | 31 17 | -122 10 | 1027 |
| 0126 36.9 | 3.75 | 7.0 | 59.7 | 31 27 | -121 45 | 1020 |
| 0126 43.0 | 3.90 | 6.5 | 53.3 | 31 32 | -121 22 | 1014 |
| 0126 51.9 | 9.67 | 13.0 | 59.6 | 31 38 | -120 49 | 1005 |
| 0126 59.1 | 4.70 | 8.5 | 57.9 | 31 38 | -120 22 | 998 |
| 0127 15.1 | 9.50 | 16.0 | 53.9 | 31 45 | -119 31 | 983 |
| 0127 24.6 | 9.67 | 17.0 | 56.3 | 31 54 | -118 45 | 974 |
| 0127 34.2 | 9.58 | 17.0 | 56.8 | 32 00 | -118 08 | 965 |
| 0127 44.9 | 9.88 | 18.0 | 58.1 | 32 07 | -117 27 | 955 |
| 0127 53.8 | 10.00 | 20.0 | 64.0 | 32 12 | -116 53 | 946 |
| 0128 03.2 | 9.69 | 17.0 | 54.9 | 32 18 | -116 14 | 937 |
| 0128 13.6 | 9.80 | 19.0 | 62.0 | 32 23 | -115 35 | 928 |
| 0128 23.3 | 9.75 | 20.0 | 65.4 | 32 28 | -114 57 | 919 |
| 0128 33.2 | 9.95 | 20.0 | 64.1 | 32 33 | -114 18 | 910 |
| 0128 43.1 | 9.93 | 21.0 | 67.7 | 32 38 | -113 39 | 901 |
| 0128 53.0 | 9.75 | 15.5 | 60.7 | 32 43 | -113 00 | 891 |
| 0129 02.8 | 9.50 | 15.0 | 60.6 | 32 47 | -112 21 | 883 |
| 0129 12.1 | 9.60 | 19.0 | 63.2 | 32 50 | -111 43 | 874 |
| 0129 22.0 | 8.04 | 16.5 | 65.7 | 32 54 | -111 03 | 865 |
| 0129 45.4 | 5.52 | 12.0 | 69.6 | 33 03 | -110 27 | 844 |

Local time base cor. 0.99 (cm/sec). Data begins 0124:51.1 U. T. Data ends 0129:48.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2022

Date 5 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0327 47.0 | 1.05 | 1.5 | 45.7 | 33 18 | -125 00 | 687 |
| 0327 53.3 | 1.61 | 2.5 | 43.5 | 33 17 | -124 33 | 682 |
| 0328 07.8 | 3.10 | 4.5 | 46.5 | 33 14 | -123 30 | 671 |
| 0328 15.9 | 1.09 | 1.5 | 44.0 | 33 11 | -122 55 | 665 |
| 0328 23.8 | 3.49 | 6.0 | 55.0 | 33 09 | -122 21 | 659 |
| 0328 31.1 | 4.50 | 5.5 | 39.1 | 33 07 | -121 50 | 653 |
| 0328 37.4 | 5.04 | 7.5 | 45.6 | 33 05 | -121 23 | 648 |
| 0328 48.6 | 11.81 | 15.0 | 40.6 | 33 01 | -120 34 | 640 |
| 0329 00.4 | 11.91 | 17.0 | 45.7 | 32 58 | -119 43 | 631 |
| 0329 12.2 | 11.65 | 18.0 | 49.4 | 32 52 | -118 52 | 622 |
| 0329 23.9 | 11.80 | 15.5 | 42.0 | 32 46 | -118 01 | 614 |
| 0329 35.6 | 11.70 | 14.5 | 39.7 | 32 41 | -117 10 | 606 |
| 0329 47.3 | 11.78 | 16.5 | 44.8 | 32 35 | -116 19 | 597 |
| 0329 59.1 | 11.82 | 16.5 | 44.7 | 32 29 | -115 28 | 589 |
| 0330 11.0 | 11.91 | 16.0 | 43.0 | 32 22 | -114 36 | 581 |
| 0330 22.3 | 10.78 | 14.0 | 41.6 | 32 15 | -113 47 | 574 |
| 0330 23.2 | 11.07 | 15.0 | 43.4 | 32 14 | -113 43 | 573 |
| 0330 42.2 | 7.05 | 9.0 | 40.9 | 32 02 | -112 21 | 560 |
| 0330 50.3 | 3.90 | 4.5 | 36.9 | 31 56 | -111 46 | 555 |
| 0330 57.3 | 4.14 | 5.0 | 38.6 | 31 52 | -111 16 | 550 |

Local time base cor. 0.99 (cm/sec). Data begins 0327:46.5 U. T. Data ends 0330:59.4 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2025

Date 6 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0019 31.1 | .78 | 28.0 | 1150.0 | 27 17 | -126 05 | 1393 |
| 0019 37.6 | 1.44 | 47.0 | 1040.0 | 27 24 | -125 45 | 1387 |
| 0019 46.7 | .85 | 28.0 | 1050.0 | 27 34 | -125 17 | 1377 |
| 0020 00.5 | 1.62 | 53.0 | 1050.0 | 27 49 | -124 34 | 1364 |
| 0020 08.3 | 2.31 | 56.0 | 776.0 | 27 56 | -124 10 | 1356 |
| 0020 13.0 | 1.89 | 50.0 | 847.0 | 28 01 | -123 55 | 1351 |
| 0020 26.1 | 2.06 | 45.0 | 699.0 | 28 15 | -123 13 | 1338 |
| 0020 29.2 | 2.10 | 49.0 | 747.0 | 28 18 | -123 03 | 1335 |
| 0020 33.2 | 2.27 | 42.0 | 592.0 | 28 22 | -122 50 | 1331 |
| 0020 35.8 | 1.85 | 41.0 | 709.0 | 28 24 | -122 42 | 1328 |
| 0020 40.6 | 1.10 | 16.0 | 465.0 | 28 29 | -122 27 | 1323 |
| 0020 42.6 | 1.76 | 37.0 | 673.0 | 28 31 | -122 20 | 1321 |
| 0020 49.7 | 1.28 | 24.0 | 600.0 | 28 39 | -121 58 | 1314 |
| 0020 56.4 | 1.60 | 33.0 | 660.0 | 28 45 | -121 36 | 1308 |
| 0021 10.5 | 4.21 | 58.0 | 441.0 | 28 59 | -120 50 | 1293 |
| 0021 17.5 | 5.13 | 64.0 | 399.0 | 29 05 | -120 27 | 1286 |
| 0021 23.3 | 4.86 | 56.0 | 369.0 | 29 11 | -120 08 | 1281 |
| 0021 30.0 | 4.28 | 48.0 | 359.0 | 29 17 | -119 46 | 1274 |
| 0021 39.2 | 5.50 | 52.0 | 303.0 | 29 26 | -119 15 | 1264 |
| 0021 45.1 | 2.80 | 25.0 | 250.0 | 29 31 | -118 55 | 1259 |
| 0021 53.2 | 6.10 | 51.0 | 268.0 | 29 39 | -118 29 | 1251 |
| 0022 03.3 | 11.99 | 88.0 | 235.0 | 29 48 | -117 55 | 1240 |
| 0022 15.2 | 11.93 | 81.0 | 217.0 | 29 58 | -117 14 | 1229 |
| 0022 27.1 | 11.95 | 70.0 | 187.0 | 30 08 | -116 33 | 1217 |
| 0022 39.1 | 11.92 | 69.0 | 185.0 | 30 19 | -115 52 | 1205 |
| 0022 51.0 | 11.90 | 63.0 | 169.0 | 30 29 | -115 11 | 1193 |
| 0023 03.0 | 11.99 | 60.0 | 160.0 | 30 39 | -114 29 | 1181 |
| 0023 14.5 | 11.01 | 54.0 | 157.0 | 30 48 | -113 48 | 1169 |

Local time base cor. 2.5 (cm/sec). Data begins 0019:30.7 U. T. Data ends 0026:25.7 U. T.

Remarks Page 1 of 2. Rate tumble modulated at the beginning.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2025

Date 6 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0023 23.7 | 7.49 | 37.0 | 158.0 | 30 55 | -113 15 | 1160 |
| 0023 34.8 | 11.65 | 55.0 | 151.0 | 31 03 | -112 36 | 1149 |
| 0023 46.6 | 11.95 | 56.0 | 150.0 | 31 12 | -111 54 | 1137 |
| 0023 55.7 | 6.25 | 28.0 | 143.0 | 31 19 | -111 21 | 1128 |
| 0024 06.3 | 5.40 | 23.0 | 136.0 | 31 26 | -110 43 | 1118 |
| 0024 16.0 | 8.24 | 31.0 | 120.0 | 31 33 | -110 07 | 1108 |
| 0024 29.7 | 9.62 | 38.0 | 126.0 | 31 42 | -109 17 | 1095 |
| 0024 41.7 | 4.50 | 18.0 | 128.0 | 31 50 | -108 32 | 1083 |
| 0024 49.3 | 1.77 | 7.0 | 127.0 | 31 55 | -108 03 | 1076 |
| 0025 01.9 | 1.61 | 5.0 | 99.0 | 32 03 | -107 18 | 1063 |
| 0025 08.5 | 1.20 | 5.0 | 133.0 | 32 07 | -106 53 | 1057 |
| 0025 23.7 | .58 | 3.0 | 165.0 | 32 15 | -105 55 | 1042 |
| 0025 43.1 | 1.05 | 6.0 | 183.0 | 32 25 | -104 42 | 1023 |
| 0025 58.5 | 1.47 | 9.0 | 196.0 | 32 33 | -103 44 | 1008 |
| 0026 25.1 | 1.33 | 9.0 | 217.0 | 32 44 | -102 00 | 983 |

Local time base cor. 2.5 (cm/sec). Data begins 0019:30.7 U. T. Data ends 0026:25.7 U. T.

Remarks Page 2 of 2. Rate tumble modulated at the beginning.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2026

Date 6 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0222 35.9 | 7.56 | 16.0 | 67.7 | 33 12 | -125 35 | 912 |
| 0222 51.6 | 7.00 | 13.0 | 59.4 | 33 16 | -124 33 | 897 |
| 0223 12.1 | 7.70 | 13.0 | 54.0 | 33 19 | -123 09 | 878 |
| 0223 26.0 | 8.90 | 17.0 | 61.1 | 33 21 | -122 12 | 866 |
| 0223 35.4 | 10.00 | 18.5 | 59.2 | 33 22 | -121 34 | 857 |
| 0223 45.4 | 9.94 | 17.0 | 54.7 | 33 23 | -120 53 | 848 |
| 0223 55.2 | 9.81 | 17.0 | 55.5 | 33 24 | -120 13 | 839 |
| 0224 05.8 | 9.95 | 19.0 | 61.1 | 33 25 | -119 29 | 830 |
| 0224 15.6 | 9.70 | 18.0 | 59.4 | 33 24 | -118 48 | 821 |
| 0224 25.4 | 9.80 | 17.0 | 55.5 | 33 24 | -118 08 | 813 |
| 0224 35.1 | 9.65 | 17.0 | 56.4 | 33 23 | -117 27 | 804 |
| 0224 44.8 | 9.65 | 16.0 | 53.1 | 33 23 | -116 47 | 796 |
| 0224 54.5 | 9.80 | 16.0 | 52.2 | 33 22 | -116 07 | 787 |
| 0225 04.4 | 9.95 | 17.0 | 54.7 | 33 21 | -115 25 | 779 |
| 0225 14.1 | 9.50 | 18.0 | 60.6 | 33 19 | -114 45 | 771 |
| 0225 23.9 | 10.00 | 19.0 | 60.8 | 33 17 | -114 03 | 762 |
| 0225 33.6 | 9.59 | 16.0 | 53.4 | 33 15 | -113 22 | 754 |
| 0225 43.1 | 9.60 | 16.0 | 53.3 | 33 13 | -112 42 | 746 |
| 0225 53.4 | 9.71 | 16.0 | 52.7 | 33 10 | -111 59 | 737 |
| 0226 03.3 | 9.46 | 15.0 | 50.7 | 33 08 | -111 17 | 729 |
| 0226 13.1 | 9.99 | 18.0 | 57.7 | 33 04 | -110 36 | 721 |
| 0226 22.9 | 9.61 | 16.0 | 53.3 | 33 01 | -109 54 | 713 |

Local time base cor. 0.99 (cm/sec). Data begins 0222:32.1 U. T. Data ends 0226:27.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2027

Date 6 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0424 31.4 | 7.10 | 10.0 | 45.1 | 30 53 | -124 50 | 570 |
| 0425 09.9 | 1.17 | 2.0 | 54.7 | 30 16 | -122 08 | 545 |
| 0425 16.3 | 1.35 | 1.5 | 35.6 | 30 10 | -121 41 | 541 |
| 0425 30.6 | 1.17 | 1.5 | 41.0 | 29 54 | -120 41 | 532 |
| 0425 37.8 | 1.01 | 1.5 | 47.5 | 29 47 | -120 11 | 528 |
| 0425 48.7 | 8.50 | 12.0 | 45.2 | 29 35 | -119 25 | 521 |
| 0425 59.3 | 1.98 | 2.5 | 40.4 | 29 24 | -118 41 | 515 |
| 0426 08.6 | 4.58 | 6.0 | 41.9 | 29 12 | -118 03 | 509 |
| 0426 17.3 | 8.70 | 11.0 | 40.5 | 29 02 | -117 27 | 504 |
| 0426 28.1 | 3.40 | 4.0 | 37.6 | 28 48 | -116 42 | 498 |

Local time base cor. 0.99 (cm/sec). Data begins 0424:27.8 U. T. Data ends 0426:29.8 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2029

Date 6 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2317 17.2 | .56 | 20.0 | 1140.0 | 27 57 | -113 23 | 1471 |
| 2317 24.1 | 1.22 | 40.0 | 1050.0 | 28 04 | -113 02 | 1464 |
| 2317 59.1 | 1.02 | 28.0 | 878.0 | 28 39 | -111 14 | 1429 |
| 2318 03.8 | .80 | 23.0 | 920.0 | 28 44 | -110 59 | 1425 |

Local time base cor. 2.47 (cm/sec). Data begins 2317:16.9 U. T. Data ends 2318:04.2 U. T.

Remarks Data questionable (nearly unreadable).

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2030

Date 7 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0115 33.8 | 1.30 | 18.0 | 443.0 | 31 03 | -131 03 | 1270 |
| 0115 38.9 | .94 | 11.0 | 374.0 | 31 07 | -130 45 | 1264 |
| 0116 01.9 | .82 | 9.0 | 351.0 | 31 23 | -129 26 | 1241 |
| 0116 08.6 | .80 | 6.0 | 320.0 | 31 28 | -129 02 | 1235 |
| 0116 15.4 | .79 | 9.0 | 365.0 | 31 32 | -128 38 | 1228 |
| 0116 27.6 | 1.76 | 12.0 | 218.0 | 31 40 | -127 55 | 1216 |
| 0116 54.1 | .95 | 6.0 | 210.0 | 31 57 | -126 21 | 1189 |
| 0116 57.6 | 1.36 | 8.0 | 188.0 | 31 59 | -126 09 | 1186 |
| 0117 02.5 | .90 | 4.5 | 160.0 | 32 02 | -125 51 | 1181 |
| 0117 09.5 | 1.00 | 4.0 | 128.0 | 32 06 | -125 25 | 1174 |
| 0117 16.5 | 1.05 | 4.5 | 137.0 | 32 10 | -125 00 | 1167 |
| 0117 39.7 | .93 | 4.5 | 155.0 | 32 22 | -123 34 | 1144 |
| 0117 46.6 | 1.19 | 4.5 | 121.0 | 32 25 | -123 09 | 1137 |
| 0117 51.5 | 1.45 | 4.5 | 99.3 | 32 28 | -122 51 | 1132 |
| 0117 54.2 | 2.29 | 8.0 | 112.0 | 32 29 | -122 41 | 1129 |
| 0117 57.7 | 2.08 | 9.0 | 138.0 | 32 31 | -122 28 | 1126 |
| 0118 01.5 | 2.51 | 10.0 | 127.0 | 32 33 | -122 14 | 1122 |
| 0118 08.2 | 2.00 | 8.0 | 128.0 | 32 35 | -121 49 | 1115 |
| 0118 21.7 | 1.42 | 6.0 | 135.0 | 32 41 | -120 58 | 1102 |
| 0118 25.7 | 2.70 | 10.0 | 122.0 | 32 43 | -120 43 | 1098 |
| 0118 29.4 | 2.33 | 8.0 | 110.0 | 32 44 | -120 29 | 1094 |
| 0118 32.9 | 2.65 | 9.0 | 109.0 | 32 46 | -120 16 | 1091 |
| 0118 36.3 | 2.75 | 9.0 | 105.0 | 32 47 | -120 03 | 1088 |
| 0118 39.8 | 2.37 | 8.0 | 108.0 | 32 49 | -119 49 | 1084 |
| 0118 43.6 | 2.75 | 8.5 | 98.9 | 32 50 | -119 35 | 1081 |
| 0118 46.9 | 2.34 | 7.0 | 95.7 | 32 52 | -119 23 | 1077 |
| 0118 50.2 | 2.68 | 9.0 | 107.0 | 32 53 | -119 10 | 1074 |
| 0118 56.0 | 2.96 | 9.0 | 107.0 | 32 55 | -118 48 | 1068 |

Local time base cor. 2.50 (cm/sec). Data begins 0115:33.1 U. T. Data ends 0121:16.6 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2030

Date 7 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0119 06.2 | 9.80 | 31.0 | 101.0 | 32 59 | -118 09 | 1058 |
| 0119 16.0 | 9.69 | 28.0 | 92.5 | 33 02 | -117 31 | 1049 |
| 0119 25.5 | 9.41 | 28.0 | 95.2 | 33 04 | -116 54 | 1040 |
| 0119 35.2 | 10.00 | 30.0 | 96.0 | 33 07 | -116 17 | 1030 |
| 0119 45.5 | 9.95 | 32.5 | 105.0 | 33 10 | -115 37 | 1020 |
| 0119 55.4 | 9.95 | 34.0 | 109.0 | 33 13 | -114 59 | 1010 |
| 0120 05.4 | 9.96 | 33.0 | 106.0 | 33 15 | -114 20 | 1001 |
| 0120 15.3 | 9.87 | 31.0 | 101.0 | 33 16 | -113 41 | 991 |
| 0120 24.3 | 8.12 | 25.0 | 98.5 | 33 18 | -113 05 | 983 |
| 0120 34.3 | 9.80 | 31.0 | 101.0 | 33 19 | -112 26 | 973 |
| 0120 44.1 | 9.86 | 29.0 | 94.1 | 33 21 | -111 47 | 964 |
| 0120 53.0 | 7.82 | 23.0 | 94.1 | 33 22 | -111 12 | 955 |
| 0121 02.6 | 1.37 | 4.5 | 105.0 | 33 23 | -110 34 | 946 |
| 0121 09.4 | .94 | 3.0 | 102.0 | 33 23 | -110 06 | 940 |
| 0121 16.1 | 1.00 | 3.0 | 96.0 | 33 23 | -109 39 | 934 |

Local time base cor. 2.50 (cm/sec). Data begins 0115:33.1 U. T. Data ends 0121:16.6 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2031

Date 7 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0319 35.8 | 4.40 | 7.5 | 54.5 | 32 35 | -124 14 | 751 |
| 0320 07.4 | 9.36 | 16.0 | 54.7 | 32 18 | -122 03 | 724 |
| 0320 16.6 | 10.00 | 16.0 | 51.2 | 32 12 | -121 25 | 717 |
| 0320 26.6 | 10.00 | 16.0 | 51.2 | 32 05 | -120 44 | 709 |
| 0320 36.8 | 9.80 | 15.0 | 49.0 | 31 58 | -120 01 | 701 |
| 0320 46.6 | 9.99 | 15.5 | 49.6 | 31 52 | -119 31 | 693 |
| 0320 56.3 | 9.47 | 15.0 | 50.7 | 31 45 | -118 40 | 685 |
| 0321 06.0 | 9.90 | 16.0 | 51.7 | 31 38 | -118 00 | 677 |
| 0321 17.3 | 9.40 | 15.0 | 51.1 | 31 29 | -117 13 | 669 |
| 0321 27.0 | 9.90 | 15.0 | 48.5 | 31 21 | -116 33 | 661 |
| 0321 36.9 | 9.89 | 16.0 | 51.8 | 31 13 | -115 52 | 654 |
| 0321 46.6 | 9.72 | 14.0 | 46.1 | 31 06 | -115 12 | 646 |
| 0321 56.6 | 9.78 | 14.5 | 47.4 | 30 58 | -114 30 | 638 |
| 0322 06.4 | 9.70 | 15.0 | 49.5 | 30 49 | -113 50 | 631 |
| 0322 15.0 | 7.61 | 11.0 | 46.3 | 30 40 | -113 14 | 625 |
| 0322 23.1 | 8.51 | 13.0 | 48.9 | 30 32 | -112 41 | 619 |
| 0322 32.5 | 2.99 | 4.0 | 42.8 | 30 23 | -111 53 | 612 |
| 0322 40.5 | 5.46 | 8.0 | 46.9 | 30 15 | -111 29 | 607 |

Local time base cor. 0.99 (cm/sec). Data begins 0319:33.6 U. T. Data ends 0322:43.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2034

Date 8 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0011 31.7 | 1.29 | 37.0 | 918.0 | 30 13 | -123 58 | 1450 |
| 0011 38.5 | 1.26 | 34.0 | 863.0 | 30 18 | -123 36 | 1444 |
| 0011 46.0 | 1.36 | 34.0 | 800.0 | 30 25 | -123 12 | 1436 |
| 0011 59.2 | 1.10 | 19.0 | 553.0 | 30 35 | -122 30 | 1423 |
| 0012 13.4 | 1.69 | 25.0 | 473.0 | 30 46 | -121 42 | 1409 |
| 0012 21.1 | 1.01 | 15.0 | 475.0 | 30 51 | -121 17 | 1401 |
| 0012 28.5 | 1.08 | 16.0 | 474.0 | 30 56 | -120 52 | 1394 |
| 0012 35.4 | 2.71 | 41.0 | 484.0 | 31 01 | -120 29 | 1387 |
| 0012 43.1 | 1.71 | 24.0 | 449.0 | 31 07 | -120 03 | 1379 |
| 0012 49.6 | 2.38 | 27.0 | 363.0 | 31 12 | -119 42 | 1373 |
| 0012 56.4 | 2.94 | 29.0 | 316.0 | 31 16 | -119 19 | 1366 |
| 0013 03.7 | 3.34 | 34.0 | 326.0 | 31 21 | -118 54 | 1358 |
| 0013 10.1 | 2.86 | 22.0 | 246.0 | 31 25 | -118 32 | 1352 |
| 0013 17.4 | 2.45 | 19.0 | 248.0 | 31 30 | -118 07 | 1345 |
| 0013 24.4 | 3.25 | 23.0 | 226.0 | 31 34 | -117 43 | 1338 |
| 0013 30.5 | 4.95 | 34.0 | 220.0 | 31 38 | -117 22 | 1332 |
| 0013 39.0 | 8.64 | 50.0 | 185.0 | 31 44 | -116 53 | 1323 |
| 0013 48.8 | 9.15 | 45.0 | 157.0 | 31 50 | -116 19 | 1313 |
| 0013 59.6 | 2.69 | 11.0 | 131.0 | 31 57 | -115 42 | 1302 |
| 0014 08.1 | 5.61 | 24.0 | 137.0 | 32 01 | -115 12 | 1294 |
| 0014 14.3 | 1.03 | 4.0 | 124.0 | 32 04 | -114 51 | 1288 |
| 0014 20.7 | 2.41 | 10.0 | 133.0 | 32 08 | -114 28 | 1281 |
| 0014 27.6 | 3.45 | 13.0 | 170.0 | 32 11 | -114 03 | 1274 |
| 0014 34.8 | 3.01 | 11.0 | 117.0 | 32 15 | -113 38 | 1267 |
| 0014 41.8 | 2.56 | 9.0 | 113.0 | 32 19 | -113 13 | 1260 |
| 0014 47.8 | .96 | 3.0 | 100.0 | 32 22 | -112 52 | 1254 |
| 0015 03.0 | 2.32 | 7.0 | 96.6 | 32 29 | -111 58 | 1239 |
| | | | | | | |

Local time base cor. 2.47 (cm/sec). Data begins 0011:31.1 U. T. Data ends 0015:04.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2035

Date 8 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0214 03.7 | 6.40 | 12.0 | 60.0 | 33 24 | -124 59 | 995 |
| 0214 17.3 | 7.50 | 15.0 | 64.0 | 33 22 | -124 06 | 983 |
| 0214 31.8 | 8.55 | 17.0 | 63.6 | 33 20 | -123 08 | 969 |
| 0214 44.5 | 11.54 | 23.0 | 63.8 | 33 18 | -122 18 | 957 |
| 0214 59.0 | 11.64 | 20.0 | 55.0 | 33 16 | -121 21 | 943 |
| 0215 10.7 | 11.52 | 22.0 | 61.1 | 33 13 | -120 34 | 932 |
| 0215 22.3 | 11.85 | 22.0 | 59.4 | 33 10 | -119 47 | 921 |
| 0215 34.0 | 11.59 | 22.0 | 60.7 | 33 06 | -119 00 | 910 |
| 0215 45.7 | 11.80 | 22.0 | 59.7 | 33 03 | -118 13 | 899 |
| 0215 58.5 | 11.83 | 21.0 | 56.8 | 32 59 | -117 22 | 887 |
| 0216 09.2 | 11.89 | 22.0 | 59.2 | 32 55 | -116 39 | 877 |
| 0216 20.7 | 11.05 | 20.0 | 57.9 | 32 50 | -115 53 | 867 |
| 0216 31.4 | 10.45 | 19.0 | 58.2 | 32 45 | -115 09 | 857 |
| 0216 42.5 | 11.81 | 21.0 | 56.9 | 32 41 | -114 25 | 847 |
| 0216 54.4 | 11.95 | 21.0 | 56.2 | 32 35 | -113 37 | 836 |
| 0217 06.0 | 11.28 | 19.0 | 53.9 | 32 30 | -112 50 | 826 |
| 0217 17.0 | 10.57 | 19.0 | 57.5 | 32 23 | -112 05 | 816 |
| 0217 27.8 | 7.40 | 14.0 | 60.5 | 32 17 | -111 21 | 807 |
| 0217 40.3 | 10.80 | 19.0 | 56.3 | 32 09 | -110 31 | 796 |

Local time base cor. 0.99 (cm/sec). Data begins 0214:00.5 U. T. Data ends 0217:34.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2036

Date 8 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0415 55.0 | 2.70 | 4.5 | 53.3 | 29 06 | -125 38 | 633 |
| 0416 09.1 | 5.16 | 8.0 | 49.6 | 28 50 | -124 42 | 623 |
| 0416 22.7 | 4.00 | 5.5 | 44.0 | 28 33 | -123 48 | 613 |
| 0416 29.4 | 3.45 | 5.0 | 46.4 | 28 25 | -123 22 | 609 |

Local time base cor. 0.99 (cm/sec). Data begins 0415:53.6 U. T. Data ends 0416:31.1 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2039

Date 9 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0107 44.8 | .98 | 7.0 | 229.0 | 32 54 | -126 19 | 1292 |
| 0107 52.4 | .78 | 5.5 | 226.0 | 32 57 | -125 52 | 1284 |
| 0108 13.8 | 1.50 | 9.0 | 192.0 | 33 03 | -124 35 | 1263 |
| 0108 33.3 | 1.34 | 6.0 | 143.0 | 33 08 | -123 24 | 1243 |
| 0108 55.2 | .95 | 3.5 | 118.0 | 33 14 | -122 04 | 1221 |
| 0108 59.0 | 1.50 | 6.0 | 128.0 | 33 15 | -121 51 | 1218 |
| 0109 02.2 | 1.92 | 8.0 | 133.0 | 33 15 | -121 39 | 1214 |
| 0109 06.2 | 1.25 | 5.0 | 128.0 | 33 16 | -121 24 | 1210 |
| 0109 13.7 | 2.17 | 8.0 | 118.0 | 33 17 | -120 56 | 1203 |
| 0109 20.7 | 2.26 | 8.0 | 113.0 | 33 17 | -120 30 | 1196 |
| 0109 27.9 | 1.70 | 6.0 | 113.0 | 33 18 | -120 03 | 1189 |
| 0109 33.6 | 4.32 | 13.5 | 100.0 | 33 19 | -119 42 | 1183 |
| 0109 41.1 | 4.34 | 14.0 | 103.0 | 33 20 | -119 14 | 1176 |
| 0109 50.8 | 9.66 | 30.0 | 99.4 | 33 21 | -118 38 | 1166 |
| 0110 05.2 | 9.45 | 30.0 | 101.0 | 33 22 | -117 44 | 1151 |
| 0110 19.8 | 9.75 | 34.0 | 112.0 | 33 22 | -116 49 | 1137 |
| 0110 29.5 | 5.32 | 17.0 | 102.0 | 33 22 | -116 12 | 1127 |
| 0110 36.3 | 5.56 | 19.0 | 109.0 | 33 22 | -115 34 | 1121 |
| 0110 43.9 | 4.57 | 17.0 | 119.0 | 33 22 | -115 17 | 1113 |
| 0110 54.4 | 10.08 | 34.0 | 108.0 | 33 22 | -114 37 | 1103 |
| 0111 04.1 | 9.45 | 31.0 | 104.0 | 33 21 | -114 00 | 1093 |
| 0111 15.3 | 9.13 | 30.0 | 105.0 | 33 20 | -113 17 | 1082 |
| 0111 24.0 | 8.30 | 28.0 | 108.0 | 33 19 | -112 44 | 1074 |
| 0111 31.3 | 6.28 | 20.0 | 102.0 | 33 18 | -112 15 | 1067 |
| 0111 37.2 | 1.51 | 5.0 | 106.0 | 33 17 | -111 53 | 1061 |
| 0111 40.6 | 2.80 | 8.5 | 97.1 | 33 17 | -111 40 | 1057 |
| 0111 46.2 | 5.08 | 14.0 | 88.2 | 33 16 | -111 18 | 1052 |
| 0111 53.7 | 5.38 | 17.0 | 101.0 | 33 15 | -110 49 | 1045 |

Local time base cor. 2.48 (cm/sec). Data begins 0107:44.3 U. T. Data ends 0112:11.7 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2039

Date 9 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0112 01.6 | 2.40 | 7.0 | 93.3 | 33 14 | -110 19 | 1037 |
| 0112 09.6 | 4.12 | 12.0 | 93.2 | 33 11 | -109 48 | 1029 |

Local time base cor. 2.48 (cm/sec). Data begins 0107:44.3 U. T. Data ends 0112:11.7 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2040

Date 9 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0311 00.1 | .75 | 1.5 | 64.0 | 31 05 | -122 53 | 809 |
| 0311 01.9 | .85 | 1.5 | 56.5 | 31 02 | -122 46 | 808 |
| 0311 14.0 | 1.35 | 2.5 | 59.3 | 30 52 | -121 58 | 797 |
| 0311 21.0 | 1.20 | 2.5 | 66.7 | 30 46 | -121 30 | 791 |
| 0311 28.3 | 1.55 | 2.5 | 51.6 | 30 40 | -121 02 | 785 |
| 0311 35.1 | 1.40 | 3.0 | 68.6 | 30 33 | -120 35 | 779 |
| 0311 40.7 | 5.00 | 9.0 | 57.6 | 30 28 | -120 13 | 774 |
| 0311 48.0 | 4.80 | 8.0 | 53.3 | 30 22 | -119 44 | 768 |
| 0311 56.0 | 1.85 | 3.0 | 51.9 | 30 15 | -119 13 | 761 |
| 0312 01.8 | 5.30 | 8.0 | 48.3 | 30 09 | -118 51 | 756 |
| 0312 08.9 | 5.00 | 8.0 | 51.2 | 30 02 | -118 22 | 750 |
| 0312 15.7 | 5.45 | 9.0 | 52.8 | 29 55 | -117 56 | 745 |
| 0312 24.2 | 2.50 | 4.5 | 57.6 | 29 46 | -117 22 | 738 |
| 0312 38.1 | 2.50 | 4.5 | 57.6 | 29 32 | -116 28 | 728 |
| 0312 45.6 | 2.40 | 4.0 | 53.3 | 29 24 | -115 58 | 720 |

Local time base cor. 0.99 (cm/sec). Data begins 0310:59.7 U. T. Data ends 0312:46.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2044

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0000 52.2 | .47 | 27.5 | 1870.0 | 31 02 | -127 52 | 1626 |
| 0000 59.1 | .55 | 29.5 | 1890.0 | 31 06 | -127 31 | 1620 |
| 0001 04.3 | .56 | 32.5 | 1860.0 | 31 10 | -127 14 | 1615 |
| 0001 05.8 | .73 | 41.5 | 1820.0 | 31 11 | -127 10 | 1613 |
| 0001 11.2 | .76 | 40.5 | 1710.0 | 31 14 | -126 52 | 1608 |
| 0001 13.2 | .45 | 20.5 | 1460.0 | 31 15 | -126 46 | 1606 |
| 0001 14.8 | .40 | 21.5 | 1720.0 | 31 16 | -126 41 | 1605 |
| 0001 18.0 | .21 | 11.5 | 1750.0 | 31 18 | -126 31 | 1602 |
| 0001 34.0 | .16 | 6.5 | 1300.0 | 31 28 | -125 40 | 1586 |
| 0001 40.5 | .55 | 24.5 | 1430.0 | 31 32 | -125 19 | 1580 |
| 0001 44.5 | .21 | 9.5 | 1450.0 | 31 34 | -125 06 | 1576 |
| 0001 47.6 | .45 | 18.5 | 1320.0 | 31 36 | -124 56 | 1573 |
| 0001 48.5 | .66 | 26.5 | 1280.0 | 31 37 | -124 54 | 1572 |
| 0001 55.2 | .60 | 20.5 | 1090.0 | 31 41 | -124 32 | 1566 |
| 0002 00.4 | 1.08 | 47.5 | 1410.0 | 31 44 | -124 17 | 1561 |
| 0002 02.1 | 1.54 | 54.5 | 1130.0 | 31 45 | -124 10 | 1559 |
| 0002 04.0 | .74 | 30.5 | 1320.0 | 31 46 | -124 04 | 1557 |
| 0002 07.3 | 1.20 | 48.5 | 1290.0 | 31 48 | -123 53 | 1554 |
| 0002 09.4 | .73 | 22.5 | 986.0 | 31 49 | -123 46 | 1552 |
| 0002 10.9 | .45 | 16.5 | 1170.0 | 31 50 | -123 41 | 1550 |
| 0002 14.6 | 1.19 | 45.5 | 1220.0 | 31 52 | -123 29 | 1547 |
| 0002 18.0 | .60 | 26.5 | 1410.0 | 31 53 | -123 18 | 1543 |
| 0002 22.3 | 1.09 | 39.5 | 1160.0 | 31 56 | -123 04 | 1539 |
| 0002 29.8 | 1.33 | 49.5 | 1190.0 | 31 59 | -122 39 | 1532 |
| 0002 33.4 | .73 | 20.5 | 899.0 | 32 01 | -122 27 | 1528 |
| 0002 37.1 | 2.23 | 60.5 | 868.0 | 32 03 | -122 15 | 1525 |
| 0002 40.7 | .90 | 23.5 | 836.0 | 32 05 | -122 03 | 1521 |
| 0002 44.3 | 1.04 | 25.5 | 785.0 | 32 07 | -121 52 | 1518 |

Local time base cor. 4.95 (cm/sec). Data begins 0000:52.0 U. T. Data ends 0006:21.1 U. T.

Remarks Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2044

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0002 47.6 | .99 | 24.5 | 792.0 | 32 09 | -121 41 | 1514 |
| 0002 49.5 | .85 | 25.5 | 960.0 | 32 10 | -121 34 | 1513 |
| 0002 51.3 | 1.80 | 43.5 | 773.0 | 32 11 | -121 29 | 1511 |
| 0002 55.0 | .70 | 15.5 | 709.0 | 32 12 | -121 16 | 1507 |
| 0002 58.5 | 2.13 | 46.5 | 699.0 | 32 14 | -121 05 | 1504 |
| 0003 03.7 | 1.08 | 28.5 | 844.0 | 32 17 | -120 48 | 1499 |
| 0003 05.8 | 1.48 | 29.5 | 638.0 | 32 18 | -120 40 | 1496 |
| 0003 11.6 | 3.07 | 66.5 | 693.0 | 32 20 | -120 21 | 1491 |
| 0003 18.7 | 3.18 | 66.5 | 669.0 | 32 23 | -119 57 | 1484 |
| 0003 24.9 | 3.57 | 69.5 | 623.0 | 32 26 | -119 36 | 1478 |
| 0003 29.2 | 1.95 | 40.5 | 665.0 | 32 28 | -119 22 | 1473 |
| 0003 32.8 | 3.03 | 59.5 | 628.0 | 32 30 | -119 10 | 1470 |
| 0003 36.2 | 1.06 | 21.5 | 649.0 | 32 31 | -118 58 | 1466 |
| 0003 39.7 | 2.43 | 45.5 | 599.0 | 32 33 | -118 46 | 1463 |
| 0003 43.6 | 1.70 | 30.5 | 574.0 | 32 35 | -118 33 | 1459 |
| 0003 47.1 | 3.84 | 67.5 | 563.0 | 32 36 | -118 21 | 1456 |
| 0003 53.8 | 3.55 | 58.5 | 527.0 | 32 39 | -117 59 | 1449 |
| 0004 00.9 | 3.42 | 51.5 | 482.0 | 32 42 | -117 35 | 1442 |
| 0004 07.9 | 3.59 | 50.5 | 450.0 | 32 45 | -117 11 | 1435 |
| 0004 15.1 | 3.89 | 54.5 | 448.0 | 32 47 | -116 46 | 1428 |
| 0004 22.0 | 3.08 | 39.5 | 410.0 | 32 49 | -116 22 | 1421 |
| 0004 28.9 | 3.23 | 42.5 | 421.0 | 32 52 | -115 58 | 1414 |
| 0004 36.2 | 3.13 | 40.5 | 414.0 | 32 54 | -115 33 | 1407 |
| 0004 43.0 | 3.63 | 47.5 | 419.0 | 32 56 | -115 09 | 1400 |
| 0004 50.1 | 3.06 | 36.5 | 382.0 | 32 59 | -114 44 | 1393 |
| 0004 57.2 | 3.43 | 41.5 | 387.0 | 33 01 | -114 20 | 1386 |
| 0005 04.3 | 3.43 | 40.5 | 378.0 | 33 03 | -113 55 | 1379 |
| 0005 11.4 | 3.47 | 40.5 | 373.0 | 33 05 | -113 30 | 1372 |

Local time base cor. 4.95 (cm/sec). Data begins 0000:52.0 U. T. Data ends 0006:21.1 U. T.

Remarks Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2044

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0005 18.4 | 2.48 | 28.5 | 368.0 | 33 06 | -113 05 | 1365 |
| 0005 25.3 | 3.02 | 34.5 | 366.0 | 33 08 | -112 41 | 1358 |
| 0005 32.3 | 2.40 | 28.5 | 380.0 | 33 10 | -112 16 | 1351 |
| 0005 39.3 | 1.65 | 20.5 | 398.0 | 33 11 | -111 51 | 1344 |
| 0005 46.3 | 2.19 | 24.5 | 358.0 | 33 13 | -111 26 | 1337 |
| 0005 54.4 | 1.73 | 17.5 | 324.0 | 33 15 | -110 58 | 1328 |
| 0005 58.7 | 1.68 | 17.5 | 333.0 | 33 16 | -110 43 | 1324 |
| 0006 01.3 | 1.08 | 11.5 | 341.0 | 33 16 | -110 33 | 1322 |
| 0006 05.7 | 1.43 | 15.5 | 347.0 | 33 17 | -110 17 | 1317 |
| 0006 13.1 | 1.23 | 12.5 | 325.0 | 33 17 | -109 51 | 1310 |
| 0006 20.6 | 1.04 | 11.5 | 354.0 | 33 18 | -109 23 | 1302 |

Local time base cor. 4.95 (cm/sec). Data begins 0000:52.0 U. T. Data ends 0006:21.1 U. T.

Remarks Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2045

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0204 38.2 | 1.12 | 3.0 | 85.7 | 32 59 | -125 20 | 1098 |
| 0204 52.5 | 1.05 | 2.0 | 60.9 | 32 54 | -124 26 | 1084 |
| 0204 59.7 | .95 | 2.5 | 84.2 | 32 52 | -123 59 | 1077 |
| 0205 14.3 | 1.80 | 4.0 | 71.1 | 32 46 | -123 03 | 1063 |
| 0205 21.5 | 1.55 | 3.0 | 61.9 | 32 43 | -122 36 | 1056 |
| 0205 28.8 | 1.90 | 3.5 | 58.9 | 32 40 | -122 08 | 1049 |
| 0205 35.1 | 3.30 | 7.0 | 67.9 | 32 37 | -121 44 | 1043 |
| 0205 42.0 | 3.18 | 6.5 | 65.4 | 32 34 | -121 18 | 1036 |
| 0205 49.2 | 3.20 | 6.0 | 60.0 | 32 31 | -120 50 | 1029 |
| 0205 56.5 | 4.90 | 10.0 | 65.3 | 32 28 | -120 22 | 1022 |
| 0206 07.0 | 11.30 | 20.5 | 58.1 | 32 22 | -119 42 | 1012 |
| 0206 18.2 | 11.05 | 20.0 | 57.9 | 32 15 | -118 59 | 1001 |
| 0206 28.2 | 8.95 | 17.0 | 60.8 | 32 10 | -118 21 | 991 |
| 0206 37.2 | 5.65 | 11.0 | 62.3 | 32 04 | -117 46 | 983 |
| 0206 44.3 | 5.05 | 10.0 | 63.4 | 32 00 | -117 19 | 976 |
| 0206 51.7 | 4.95 | 10.5 | 67.9 | 31 56 | -116 51 | 969 |
| 0207 02.0 | 11.70 | 21.0 | 57.4 | 31 50 | -116 11 | 959 |
| 0207 15.6 | 10.25 | 20.0 | 62.4 | 31 40 | -115 19 | 946 |
| 0207 29.1 | 10.75 | 19.0 | 56.6 | 31 30 | -114 27 | 933 |
| 0207 37.7 | 6.70 | 13.0 | 62.1 | 31 24 | -113 54 | 925 |
| 0207 49.7 | 9.95 | 18.0 | 57.9 | 31 15 | -113 08 | 914 |
| 0208 02.6 | 3.45 | 6.5 | 60.3 | 31 06 | -112 19 | 902 |
| 0208 09.2 | 2.10 | 4.0 | 61.0 | 31 00 | -111 54 | 896 |
| 0208 16.4 | 2.95 | 5.5 | 59.7 | 30 54 | -111 26 | 889 |
| 0208 21.4 | 1.80 | 3.5 | 62.2 | 30 50 | -111 07 | 885 |
| 0208 28.4 | 1.50 | 3.0 | 64.0 | 30 44 | -110 40 | 878 |
| 0208 35.2 | 1.45 | 2.5 | 55.2 | 30 38 | -110 14 | 872 |

Local time base cor. 0.99 (cm/sec). Data begins 0204:37.6 U. T. Data ends 0208:35.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2046

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0406 12.4 | .85 | 1.5 | 56.5 | 27 35 | -128 38 | 729 |
| 0406 19.5 | 1.40 | 2.5 | 57.1 | 27 25 | -128 01 | 723 |
| 0407 08.7 | .95 | 1.5 | 50.5 | 26 20 | -124 57 | 684 |
| 0407 43.2 | .57 | 1.0 | 56.1 | 25 31 | -122 49 | 657 |

Local time base cor. 10/9.9 (cm/sec). Data begins 0406:12.0 U. T. Data ends 0407:43.5 U. T.

Remarks Nearly unreadable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2048

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2253 37.8 | .43 | 25.0 | 1860.0 | 28 03 | -127 57 | 1946 |
| 2253 46.1 | .59 | 34.0 | 1840.0 | 28 11 | -127 34 | 1939 |
| 2253 53.2 | .55 | 26.0 | 1510.0 | 28 17 | -127 15 | 1935 |
| 2254 13.2 | .36 | 20.0 | 1780.0 | 28 34 | -126 20 | 1916 |
| 2254 19.9 | .94 | 42.0 | 1430.0 | 28 40 | -126 02 | 1910 |
| 2254 28.8 | .78 | 41.0 | 1680.0 | 28 48 | -125 37 | 1903 |
| 2254 43.7 | 1.86 | 92.0 | 1580.0 | 29 04 | -124 42 | 1885 |
| 2254 55.3 | .49 | 24.0 | 1570.0 | 29 10 | -124 24 | 1880 |
| 2255 02.4 | 1.04 | 53.0 | 1630.0 | 29 16 | -124 04 | 1874 |
| 2255 04.2 | 1.47 | 67.0 | 1460.0 | 29 17 | -123 59 | 1872 |
| 2255 09.1 | 1.07 | 54.0 | 1620.0 | 29 21 | -123 45 | 1868 |
| 2255 11.8 | 2.10 | 110.0 | 1680.0 | 29 23 | -123 37 | 1866 |
| 2255 18.3 | 1.70 | 92.0 | 1730.0 | 29 28 | -123 19 | 1860 |
| 2255 25.4 | 1.45 | 74.0 | 1630.0 | 29 34 | -122 59 | 1854 |
| 2255 31.7 | .73 | 34.0 | 1490.0 | 29 39 | -122 41 | 1848 |
| 2255 46.4 | .93 | 51.0 | 1760.0 | 29 50 | -121 59 | 1835 |
| 2255 50.8 | 2.11 | 112.0 | 1700.0 | 29 54 | -121 46 | 1831 |
| 2255 53.6 | 1.17 | 60.0 | 1640.0 | 29 56 | -121 38 | 1829 |
| 2255 58.3 | .88 | 47.0 | 1710.0 | 30 00 | -121 25 | 1825 |
| 2256 07.4 | .68 | 41.0 | 1930.0 | 30 06 | -120 58 | 1817 |
| 2256 14.8 | 1.18 | 70.0 | 1900.0 | 30 11 | -120 36 | 1810 |
| 2256 22.0 | 1.50 | 76.0 | 1620.0 | 30 16 | -120 05 | 1803 |
| 2256 29.1 | 2.23 | 114.0 | 1640.0 | 30 21 | -119 52 | 1797 |
| 2256 33.2 | 1.72 | 99.0 | 1840.0 | 30 24 | -119 42 | 1793 |
| 2256 41.2 | 1.52 | 87.0 | 1830.0 | 30 30 | -119 19 | 1786 |
| 2256 43.6 | 2.58 | 149.0 | 1850.0 | 30 32 | -119 11 | 1784 |
| 2256 46.4 | .78 | 41.0 | 1750.0 | 30 33 | -119 03 | 1781 |
| 2256 50.0 | 1.63 | 95.0 | 1870.0 | 30 36 | -118 53 | 1778 |

Local time base cor. 4.42 (cm/sec). Data begins 2253:37.6 U. T. Data ends 2300:50.6 U. T.

Remarks Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2048

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2256 54.8 | 1.09 | 62.0 | 1820.0 | 30 39 | -118 38 | 1774 |
| 2256 57.0 | 1.36 | 80.0 | 1880.0 | 30 41 | -118 32 | 1772 |
| 2257 04.2 | 1.30 | 73.0 | 1800.0 | 30 46 | -118 10 | 1765 |
| 2257 11.4 | 1.59 | 93.0 | 1870.0 | 30 50 | -117 48 | 1758 |
| 2257 18.2 | 1.70 | 100.0 | 1880.0 | 30 55 | -117 28 | 1752 |
| 2257 25.2 | 1.25 | 71.0 | 1820.0 | 30 59 | -117 07 | 1746 |
| 2257 29.8 | .94 | 57.0 | 1940.0 | 31 02 | -116 53 | 1742 |
| 2257 32.7 | 1.49 | 85.0 | 1830.0 | 31 04 | -116 44 | 1739 |
| 2257 37.3 | 1.40 | 85.0 | 1940.0 | 31 07 | -116 30 | 1735 |
| 2257 39.2 | 1.51 | 81.0 | 1720.0 | 31 08 | -116 24 | 1733 |
| 2257 44.3 | 1.18 | 66.0 | 1790.0 | 31 12 | -116 09 | 1728 |
| 2257 46.2 | 1.23 | 70.0 | 1820.0 | 31 13 | -116 03 | 1726 |
| 2257 51.2 | 1.15 | 67.0 | 1860.0 | 31 16 | -115 48 | 1722 |
| 2257 53.4 | 1.38 | 77.0 | 1790.0 | 31 18 | -115 41 | 1720 |
| 2258 00.4 | 1.24 | 67.0 | 1730.0 | 31 22 | -115 20 | 1713 |
| 2258 07.3 | 1.38 | 68.0 | 1580.0 | 31 26 | -114 58 | 1707 |
| 2258 10.9 | 1.20 | 62.0 | 1250.0 | 31 28 | -114 47 | 1704 |
| 2258 12.6 | 1.15 | 64.0 | 1780.0 | 31 29 | -114 42 | 1702 |
| 2258 14.3 | 1.85 | 93.0 | 1610.0 | 31 30 | -114 36 | 1700 |
| 2258 19.4 | 1.18 | 64.0 | 1740.0 | 31 33 | -114 21 | 1696 |
| 2258 21.8 | 1.56 | 82.0 | 1680.0 | 31 34 | -114 13 | 1693 |
| 2258 26.7 | .70 | 38.0 | 1740.0 | 31 37 | -113 58 | 1689 |
| 2258 29.2 | 2.79 | 149.0 | 1710.0 | 31 38 | -113 50 | 1686 |
| 2258 33.9 | 1.00 | 55.0 | 1760.0 | 31 41 | -113 35 | 1682 |
| 2258 35.7 | .89 | 44.0 | 1580.0 | 31 42 | -113 30 | 1680 |
| 2258 42.9 | 1.26 | 59.0 | 1500.0 | 31 46 | -113 07 | 1673 |
| 2258 49.9 | 1.38 | 66.0 | 1530.0 | 31 50 | -112 45 | 1667 |
| 2258 57.0 | 1.39 | 62.0 | 1430.0 | 31 54 | -112 23 | 1660 |

Local time base cor. 4.42 (cm/sec). Data begins 2253:37.6 U. T. Data ends 2300:50.6 U. T.

Remarks Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2048

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2259 03.8 | 1.32 | 63.0 | 1530.0 | 31 58 | -112 02 | 1654 |
| 2259 09.2 | .85 | 43.0 | 1620.0 | 32 00 | -111 45 | 1649 |
| 2259 11.2 | 1.18 | 50.0 | 1360.0 | 32 03 | -111 37 | 1647 |
| 2259 16.0 | 1.08 | 55.0 | 1640.0 | 32 05 | -111 23 | 1642 |
| 2259 18.0 | 1.34 | 60.0 | 1430.0 | 32 06 | -111 16 | 1640 |
| 2259 25.1 | 1.67 | 73.0 | 1400.0 | 32 09 | -110 54 | 1633 |
| 2259 31.8 | 1.36 | 58.0 | 1360.0 | 32 13 | -110 32 | 1627 |
| 2259 38.8 | 1.39 | 57.0 | 1310.0 | 32 16 | -110 10 | 1620 |
| 2259 46.2 | 1.66 | 67.0 | 1290.0 | 32 19 | -109 46 | 1613 |
| 2259 53.6 | 1.63 | 62.0 | 1220.0 | 32 23 | -109 22 | 1606 |
| 2259 58.2 | 1.08 | 43.0 | 1270.0 | 32 25 | -109 08 | 1602 |
| 2300 00.4 | 1.17 | 42.0 | 1150.0 | 32 25 | -109 01 | 1599 |
| 2300 05.6 | .82 | 35.0 | 1370.0 | 32 27 | -108 44 | 1594 |
| 2300 12.7 | .68 | 31.0 | 1460.0 | 32 30 | -108 20 | 1587 |
| 2300 35.7 | 1.73 | 65.0 | 1200.0 | 32 39 | -107 04 | 1565 |
| 2300 42.6 | .73 | 25.0 | 1100.0 | 32 42 | -106 41 | 1558 |
| 2300 48.0 | 1.42 | 47.0 | 1060.0 | 32 44 | -106 24 | 1553 |
| 2300 50.0 | 1.24 | 37.0 | 955.0 | 32 45 | -106 17 | 1551 |

Local time base cor. 4.42 (cm/sec). Data begins 2253:37.6 U. T. Data ends 2300:50.6 U. T.

Remarks Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2049

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0058 21.7 | .76 | 14.0 | 589.0 | 33 21 | -125 46 | 1394 |
| 0058 23.7 | .66 | 8.0 | 388.0 | 33 21 | -125 39 | 1392 |
| 0058 29.1 | .36 | 6.0 | 533.0 | 33 21 | -125 20 | 1387 |
| 0058 30.8 | .85 | 10.0 | 376.0 | 33 22 | -125 14 | 1385 |
| 0058 37.9 | 1.00 | 10.5 | 336.0 | 33 22 | -124 49 | 1378 |
| 0058 42.8 | .81 | 10.5 | 415.0 | 33 22 | -124 31 | 1373 |
| 0058 44.8 | .80 | 8.0 | 320.0 | 33 22 | -124 24 | 1371 |
| 0059 13.1 | 1.05 | 9.5 | 290.0 | 33 22 | -122 44 | 1342 |
| 0059 18.0 | 1.25 | 13.5 | 346.0 | 33 22 | -122 26 | 1338 |
| 0059 20.2 | 1.49 | 12.5 | 268.0 | 33 21 | -122 19 | 1335 |
| 0059 24.4 | 2.18 | 18.5 | 272.0 | 33 21 | -122 04 | 1331 |
| 0059 27.3 | 1.45 | 12.5 | 276.0 | 33 21 | -121 53 | 1328 |
| 0059 32.1 | .85 | 8.5 | 320.0 | 33 21 | -121 36 | 1323 |
| 0059 34.3 | 1.65 | 11.5 | 223.0 | 33 21 | -121 28 | 1321 |
| 0059 39.3 | 1.20 | 10.5 | 280.0 | 33 20 | -121 10 | 1316 |
| 0059 41.3 | 1.30 | 8.5 | 209.0 | 33 20 | -121 03 | 1314 |
| 0059 46.5 | 1.13 | 9.5 | 269.0 | 33 20 | -120 44 | 1309 |
| 0059 48.9 | 2.40 | 16.5 | 220.0 | 33 20 | -120 36 | 1307 |
| 0059 53.4 | 1.25 | 10.5 | 269.0 | 33 19 | -120 19 | 1302 |
| 0059 55.3 | 1.60 | 10.5 | 210.0 | 33 19 | -120 13 | 1300 |
| 0059 57.2 | .85 | 7.5 | 282.0 | 33 19 | -120 06 | 1298 |
| 0100 03.0 | 2.95 | 17.5 | 190.0 | 33 18 | -119 45 | 1292 |
| 0100 07.7 | .90 | 6.5 | 231.0 | 33 18 | -119 28 | 1288 |
| 0100 09.6 | 1.70 | 9.5 | 179.0 | 33 17 | -119 21 | 1286 |
| 0100 16.7 | 1.83 | 9.5 | 166.0 | 33 16 | -118 55 | 1279 |
| 0100 22.3 | 1.18 | 7.5 | 203.0 | 33 15 | -118 35 | 1273 |
| 0100 23.5 | 1.55 | 8.5 | 175.0 | 33 15 | -118 31 | 1272 |
| 0100 26.7 | 1.04 | 5.5 | 169.0 | 33 14 | -118 19 | 1268 |

Local time base cor. 2.47 (cm/sec). Data begins 0058:21.3 U. T. Data ends 0102:51.6 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2049

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0100 31.7 | 1.45 | 6.5 | 143.0 | 33 13 | -118 01 | 1263 |
| 0100 35.8 | 1.56 | 8.5 | 174.0 | 33 12 | -117 46 | 1259 |
| 0100 37.7 | 1.57 | 8.5 | 173.0 | 33 12 | -117 39 | 1257 |
| 0100 45.5 | 3.13 | 16.5 | 169.0 | 33 11 | -117 11 | 1250 |
| 0100 50.5 | 2.17 | 11.5 | 170.0 | 33 10 | -116 53 | 1245 |
| 0100 57.4 | 2.00 | 10.5 | 168.0 | 33 08 | -116 27 | 1238 |
| 0100 59.6 | 2.42 | 10.0 | 132.0 | 33 08 | -116 19 | 1235 |
| 0101 04.7 | 1.88 | 9.5 | 162.0 | 33 07 | -116 01 | 1230 |
| 0101 06.8 | 2.04 | 9.0 | 141.0 | 33 06 | -115 53 | 1228 |
| 0101 12.5 | 4.96 | 17.5 | 113.0 | 33 04 | -115 32 | 1223 |
| 0101 20.7 | 5.90 | 25.5 | 138.0 | 33 01 | -115 02 | 1214 |
| 0101 26.1 | 3.00 | 12.5 | 133.0 | 33 00 | -114 42 | 1209 |
| 0101 33.2 | 2.63 | 11.5 | 140.0 | 32 57 | -114 16 | 1202 |
| 0101 36.8 | 1.78 | 8.5 | 153.0 | 32 56 | -114 02 | 1198 |
| 0101 40.5 | 3.00 | 10.5 | 112.0 | 32 55 | -113 49 | 1195 |
| 0101 44.0 | 1.71 | 5.5 | 103.0 | 32 54 | -113 36 | 1191 |
| 0101 46.6 | 1.25 | 5.5 | 141.0 | 32 53 | -113 26 | 1188 |
| 0101 48.0 | 1.68 | 5.0 | 95.2 | 32 53 | -113 21 | 1187 |
| 0101 54.6 | 2.35 | 9.5 | 129.0 | 32 51 | -112 57 | 1180 |
| 0102 00.8 | 4.40 | 15.5 | 113.0 | 32 49 | -112 34 | 1174 |
| 0102 08.7 | 3.10 | 10.5 | 108.0 | 32 45 | -112 05 | 1166 |
| 0102 15.5 | 2.90 | 10.5 | 116.0 | 32 42 | -111 40 | 1160 |
| 0102 21.9 | 1.57 | 6.5 | 132.0 | 32 39 | -111 16 | 1153 |
| 0102 30.0 | 3.01 | 9.5 | 101.0 | 32 36 | -110 46 | 1145 |
| 0102 36.2 | 1.64 | 5.5 | 107.0 | 32 33 | -110 23 | 1139 |
| 0102 43.8 | 2.02 | 5.5 | 87.1 | 32 29 | -109 55 | 1131 |
| 0102 50.8 | 1.54 | 4.5 | 93.5 | 32 26 | -109 29 | 1124 |
| | | | | | | |

Local time base cor. 2.47 (cm/sec). Data begins 0058:21.3 U. T. Data ends 0102:51.6 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2050

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0301 43.6 | 1.01 | 3.0 | 95.0 | 29 16 | -123 12 | 893 |
| 0301 47.9 | 1.75 | 4.0 | 73.1 | 29 11 | -122 56 | 889 |
| 0301 55.1 | 2.65 | 6.0 | 72.5 | 29 04 | -122 29 | 883 |
| 0302 11.6 | 2.80 | 12.0 | 137.0 | 28 46 | -121 28 | 868 |
| 0302 24.4 | 1.20 | 2.5 | 133.3 | 28 31 | -120 41 | 856 |
| 0302 39.7 | 1.20 | 2.0 | 53.3 | 28 13 | -119 45 | 847 |
| 0302 46.5 | 1.73 | 4.0 | 73.9 | 28 06 | -119 18 | 836 |
| 0302 59.8 | 2.00 | 4.5 | 72.0 | 27 50 | -118 31 | 824 |
| 0303 07.0 | 1.84 | 3.5 | 60.9 | 27 41 | -118 04 | 818 |

Local time base cor. 0.99 (cm/sec). Data begins 0301:41.1 U. T. Data ends 0303:07.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2052

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2351 32.2 | .80 | 39.0 | 1560.0 | 32 33 | -126 09 | 1708 |
| 2351 39.7 | .27 | 15.0 | 1780.0 | 32 36 | -125 45 | 1701 |
| 2351 46.2 | .47 | 26.0 | 1770.0 | 32 38 | -125 25 | 1695 |
| 2351 53.4 | .81 | 46.0 | 1820.0 | 32 41 | -125 01 | 1688 |
| 2352 00.2 | .55 | 30.0 | 1740.0 | 32 44 | -124 40 | 1682 |
| 2352 07.4 | .92 | 50.0 | 1740.0 | 32 46 | -124 17 | 1675 |
| 2352 21.6 | .58 | 33.0 | 1820.0 | 32 50 | -123 31 | 1662 |
| 2352 28.0 | .60 | 33.0 | 1760.0 | 32 52 | -123 10 | 1655 |
| 2352 35.6 | 1.60 | 89.0 | 1780.0 | 32 55 | -122 46 | 1648 |
| 2352 42.8 | 1.66 | 101.0 | 1950.0 | 32 57 | -122 23 | 1641 |
| 2352 49.2 | 1.20 | 68.0 | 1810.0 | 32 59 | -122 02 | 1635 |
| 2352 51.3 | .72 | 37.0 | 1640.0 | 32 59 | -121 55 | 1633 |
| 2352 53.1 | 1.15 | 64.0 | 1780.0 | 33 00 | -121 49 | 1632 |
| 2352 56.5 | 1.43 | 79.0 | 1770.0 | 33 01 | -121 38 | 1628 |
| 2352 58.3 | .93 | 50.0 | 1720.0 | 33 01 | -121 32 | 1627 |
| 2353 03.3 | 1.27 | 72.0 | 1810.0 | 33 03 | -121 16 | 1622 |
| 2353 05.4 | 1.43 | 76.0 | 1700.0 | 33 03 | -121 09 | 1620 |
| 2353 10.5 | 1.40 | 80.0 | 1830.0 | 33 04 | -120 52 | 1615 |
| 2353 12.5 | 1.31 | 68.0 | 1660.0 | 33 05 | -120 46 | 1613 |
| 2353 14.4 | 1.45 | 78.0 | 1720.0 | 33 05 | -120 39 | 1611 |
| 2353 17.4 | .95 | 50.0 | 1680.0 | 33 06 | -120 29 | 1608 |
| 2353 19.8 | 1.38 | 69.0 | 1600.0 | 33 06 | -120 21 | 1606 |
| 2353 23.7 | 1.52 | 80.0 | 1680.0 | 33 07 | -120 08 | 1602 |
| 2353 26.8 | 1.08 | 55.0 | 1630.0 | 33 08 | -119 58 | 1599 |
| 2353 30.0 | .78 | 40.0 | 1640.0 | 33 09 | -119 48 | 1596 |
| 2353 31.6 | 1.07 | 60.0 | 1790.0 | 33 09 | -119 42 | 1594 |
| 2353 33.5 | .94 | 46.0 | 1560.0 | 33 09 | -119 36 | 1593 |
| 2353 38.7 | 1.14 | 63.0 | 1770.0 | 33 10 | -119 19 | 1588 |

Local time base cor. 4.98 (cm/sec). Data begins 2351:31.8 U. T. Data ends 2357:41.9 U. T.

Remarks Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2052

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2353 40.5 | 1.32 | 67.0 | 1620.0 | 33 11 | -119 13 | 1586 |
| 2353 44.0 | 1.14 | 56.0 | 1570.0 | 33 12 | -119 01 | 1582 |
| 2353 45.8 | .92 | 49.0 | 1700.0 | 33 12 | -118 55 | 1581 |
| 2353 47.8 | 1.55 | 75.0 | 1550.0 | 33 12 | -118 48 | 1579 |
| 2353 50.8 | .78 | 41.0 | 1680.0 | 33 13 | -118 39 | 1576 |
| 2353 54.6 | 1.50 | 74.0 | 1580.0 | 33 14 | -118 26 | 1572 |
| 2353 57.2 | .92 | 50.0 | 1740.0 | 33 14 | -118 17 | 1570 |
| 2354 01.9 | 1.25 | 63.0 | 1610.0 | 33 15 | -118 02 | 1565 |
| 2354 09.2 | 1.92 | 97.0 | 1620.0 | 33 16 | -117 37 | 1558 |
| 2354 12.6 | .89 | 44.0 | 1580.0 | 33 16 | -117 25 | 1555 |
| 2354 16.0 | 2.01 | 103.0 | 1640.0 | 33 17 | -117 14 | 1551 |
| 2354 19.4 | .98 | 50.0 | 1630.0 | 33 17 | -117 02 | 1548 |
| 2354 23.2 | 1.48 | 74.0 | 1600.0 | 33 18 | -116 50 | 1544 |
| 2354 26.4 | .87 | 42.0 | 1540.0 | 33 18 | -116 39 | 1541 |
| 2354 30.2 | 1.26 | 61.0 | 1550.0 | 33 19 | -116 26 | 1537 |
| 2354 33.6 | .65 | 31.0 | 1530.0 | 33 19 | -116 14 | 1534 |
| 2354 37.2 | 1.37 | 69.0 | 1610.0 | 33 19 | -116 02 | 1530 |
| 2354 40.4 | .96 | 50.0 | 1670.0 | 33 20 | -115 51 | 1527 |
| 2354 44.5 | 1.33 | 66.0 | 1590.0 | 33 20 | -115 37 | 1523 |
| 2354 47.8 | .60 | 31.0 | 1650.0 | 33 21 | -115 26 | 1520 |
| 2354 51.6 | 1.50 | 73.0 | 1560.0 | 33 21 | -115 14 | 1516 |
| 2354 54.8 | .68 | 36.0 | 1690.0 | 33 21 | -115 03 | 1513 |
| 2354 58.7 | 1.50 | 75.0 | 1600.0 | 33 22 | -114 49 | 1509 |
| 2355 02.2 | .96 | 48.0 | 1600.0 | 33 22 | -114 37 | 1506 |
| 2355 05.9 | 1.08 | 53.0 | 1570.0 | 33 22 | -114 25 | 1502 |
| 2355 12.7 | 1.06 | 52.0 | 1570.0 | 33 22 | -114 01 | 1495 |
| 2355 20.0 | 1.35 | 68.0 | 1610.0 | 33 22 | -113 36 | 1488 |
| 2355 26.9 | .97 | 48.0 | 1580.0 | 33 22 | -113 13 | 1481 |

Local time base cor. 4.98 (cm/sec). Data begins 2351:31.8 U. T. Data ends 2357:41.9 U. T.

Remarks Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2052

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2355 34.0 | .54 | 25.0 | 1480.0 | 33 22 | -112 48 | 1474 |
| 2355 41.1 | .80 | 40.0 | 1600.0 | 33 22 | -112 24 | 1467 |
| 2355 48.4 | .71 | 32.0 | 1440.0 | 33 22 | -111 59 | 1460 |
| 2355 52.0 | .60 | 27.0 | 1440.0 | 33 22 | -111 46 | 1457 |
| 2355 55.3 | .70 | 30.0 | 1370.0 | 33 22 | -111 35 | 1453 |
| 2355 58.6 | .87 | 37.0 | 1360.0 | 33 22 | -111 24 | 1450 |
| 2356 02.3 | .65 | 28.0 | 1380.0 | 33 22 | -111 11 | 1446 |
| 2356 09.6 | .62 | 29.0 | 1500.0 | 33 21 | -110 46 | 1439 |
| 2356 16.7 | .62 | 28.0 | 1450.0 | 33 20 | -110 21 | 1432 |
| 2356 23.5 | .85 | 39.0 | 1180.0 | 33 19 | -109 57 | 1425 |
| 2356 30.7 | 1.35 | 63.0 | 1490.0 | 33 18 | -109 32 | 1418 |
| 2356 33.4 | .45 | 20.0 | 1420.0 | 33 18 | -109 23 | 1415 |
| 2356 37.8 | .42 | 18.0 | 1370.0 | 33 18 | -109 07 | 1411 |
| 2356 41.2 | .40 | 17.0 | 1360.0 | 33 17 | -108 55 | 1407 |
| 2356 45.3 | .52 | 22.0 | 1350.0 | 33 17 | -108 41 | 1403 |
| 2357 05.9 | 1.04 | 41.0 | 1260.0 | 33 14 | -107 29 | 1383 |
| 2357 41.5 | .86 | 38.0 | 1410.0 | 33 06 | -105 23 | 1347 |

Local time base cor. 4.98 (cm/sec). Data begins 2351:31.8 U. T. Data ends 2357:41.9 U. T.

Remarks Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2053

Date 12 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0154 26.4 | .42 | 12.0 | 912.0 | 32 21 | -127 14 | 1234 |
| 0154 33.7 | .33 | 9.0 | 873.0 | 32 17 | -126 48 | 1226 |
| 0154 40.7 | 1.17 | 33.0 | 903.0 | 32 14 | -126 22 | 1219 |
| 0154 47.5 | .55 | 14.0 | 815.0 | 32 10 | -125 58 | 1213 |
| 0154 54.5 | .79 | 23.0 | 932.0 | 32 07 | -125 33 | 1206 |
| 0155 01.8 | 1.27 | 32.0 | 806.0 | 32 03 | -125 07 | 1198 |
| 0155 05.0 | .60 | 16.0 | 853.0 | 32 01 | -124 55 | 1195 |
| 0155 08.8 | 1.20 | 28.5 | 760.0 | 31 59 | -124 41 | 1191 |
| 0155 16.0 | 1.36 | 32.0 | 752.0 | 31 54 | -124 15 | 1184 |
| 0155 22.9 | 1.10 | 24.5 | 713.0 | 31 50 | -123 51 | 1177 |
| 0155 29.8 | 1.11 | 25.5 | 735.0 | 31 46 | -123 26 | 1170 |
| 0155 36.9 | 1.79 | 38.0 | 679.0 | 31 41 | -123 00 | 1163 |
| 0155 40.5 | .86 | 18.5 | 688.0 | 31 39 | -122 47 | 1160 |
| 0155 44.2 | 2.07 | 41.0 | 634.0 | 31 37 | -122 34 | 1156 |
| 0155 50.9 | 2.68 | 55.0 | 657.0 | 31 33 | -122 10 | 1149 |
| 0155 54.5 | 1.85 | 35.5 | 614.0 | 31 30 | -121 57 | 1146 |
| 0155 59.5 | 4.75 | 75.5 | 509.0 | 31 27 | -121 39 | 1141 |
| 0156 06.7 | 6.38 | 92.0 | 461.0 | 31 22 | -121 13 | 1133 |
| 0156 12.5 | 2.70 | 39.0 | 462.0 | 31 17 | -120 52 | 1128 |
| 0156 20.6 | 5.52 | 77.0 | 446.0 | 31 11 | -120 22 | 1119 |
| 0156 26.4 | 3.09 | 43.0 | 443.0 | 31 07 | -120 02 | 1114 |
| 0156 30.3 | 2.21 | 29.0 | 419.0 | 31 04 | -119 47 | 1110 |
| 0156 34.9 | 6.46 | 91.5 | 453.0 | 31 00 | -119 31 | 1105 |
| 0156 41.0 | 4.42 | 57.5 | 416.0 | 30 56 | -119 09 | 1099 |
| 0156 47.2 | 5.70 | 63.0 | 354.0 | 30 51 | -118 46 | 1093 |
| 0156 52.9 | 2.75 | 31.5 | 367.0 | 30 47 | -118 27 | 1088 |
| 0156 56.2 | 2.65 | 28.5 | 344.0 | 30 44 | -118 14 | 1084 |
| 0156 59.9 | 2.97 | 28.0 | 302.0 | 30 41 | -118 00 | 1081 |

Local time base cor. 4.955 (cm/sec). Data begins 0154:26.2 U. T. Data ends 0200:27.6 U. T.

Remarks Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2053

Date 12 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0157 03.3 | 3.04 | 28.5 | 300.0 | 30 38 | -117 48 | 1077 |
| 0157 07.0 | 3.13 | 29.5 | 302.0 | 30 35 | -117 35 | 1074 |
| 0157 11.6 | 4.70 | 42.5 | 289.0 | 30 31 | -117 18 | 1069 |
| 0157 16.6 | 4.86 | 42.5 | 280.0 | 30 26 | -117 00 | 1064 |
| 0157 21.2 | 2.47 | 20.5 | 266.0 | 30 22 | -116 44 | 1060 |
| 0157 24.8 | 3.07 | 26.5 | 276.0 | 30 19 | -116 32 | 1057 |
| 0157 28.2 | 2.84 | 27.0 | 304.0 | 30 16 | -116 18 | 1053 |
| 0157 31.6 | 3.24 | 29.0 | 286.0 | 30 13 | -116 06 | 1050 |
| 0157 37.4 | 6.71 | 56.5 | 269.0 | 30 08 | -115 45 | 1044 |
| 0157 42.4 | 2.93 | 25.0 | 273.0 | 30 04 | -115 27 | 1039 |
| 0157 47.6 | 6.56 | 54.5 | 266.0 | 29 59 | -115 09 | 1034 |
| 0157 52.7 | 3.18 | 28.0 | 282.0 | 29 54 | -114 50 | 1029 |
| 0157 55.9 | 1.25 | 9.0 | 230.0 | 29 52 | -114 39 | 1026 |
| 0158 02.7 | 12.14 | 106.5 | 281.0 | 29 45 | -114 14 | 1019 |
| 0158 09.9 | 1.45 | 10.5 | 232.0 | 29 38 | -113 48 | 1012 |
| 0158 13.7 | 5.10 | 42.5 | 267.0 | 29 34 | -113 35 | 1009 |
| 0158 20.4 | 4.61 | 43.5 | 302.0 | 29 28 | -113 11 | 1003 |
| 0158 24.1 | 1.81 | 15.0 | 265.0 | 29 24 | -112 57 | 999 |
| 0158 26.9 | 3.43 | 28.0 | 261.0 | 29 21 | -112 47 | 996 |
| 0158 33.4 | 5.28 | 40.0 | 242.0 | 29 15 | -112 24 | 990 |
| 0158 38.6 | .64 | 4.5 | 225.0 | 29 09 | -112 05 | 985 |
| 0158 40.9 | 3.44 | 24.0 | 223.0 | 29 07 | -111 57 | 982 |
| 0158 47.2 | 4.80 | 29.5 | 197.0 | 29 01 | -111 34 | 976 |
| 0158 54.6 | 4.38 | 21.0 | 153.0 | 28 53 | -111 07 | 969 |
| 0159 00.4 | 6.30 | 30.0 | 152.0 | 28 48 | -110 47 | 964 |
| 0159 06.9 | 1.35 | 5.5 | 130.0 | 28 40 | -110 23 | 958 |
| 0159 10.0 | 2.01 | 7.5 | 119.0 | 28 37 | -110 12 | 955 |
| 0159 17.3 | 1.61 | 5.0 | 98.8 | 28 28 | -109 46 | 948 |

Local time base cor. 4.955 (cm/sec). Data begins 0154:26.2 U. T. Data ends 0200:27.6 U. T.

Remarks Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2053

Date 12 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0159 20.9 | .91 | 2.0 | 70.3 | 28 24 | -109 33 | 944 |
| 0159 24.0 | 1.71 | 4.0 | 74.3 | 28 21 | -109 22 | 941 |
| 0159 30.9 | 2.10 | 5.0 | 76.2 | 28 13 | -108 58 | 935 |
| 0159 37.9 | 1.63 | 3.5 | 68.7 | 28 05 | -108 33 | 928 |
| 0159 45.8 | 1.30 | 2.5 | 61.5 | 27 56 | -108 05 | 921 |
| 0159 52.3 | 1.64 | 3.5 | 68.3 | 27 49 | -107 41 | 915 |
| 0159 59.6 | 1.17 | 2.5 | 68.4 | 27 40 | -107 15 | 908 |
| 0200 06.0 | 1.05 | 2.5 | 75.2 | 27 32 | -106 53 | 902 |
| 0200 20.4 | 1.06 | 2.5 | 74.5 | 27 15 | -106 02 | 889 |
| 0200 27.0 | 1.17 | 1.5 | 41.0 | 27 06 | -105 38 | 883 |

Local time base cor. 4.955 (cm/sec). Data begins 0154:26.2 U. T. Data ends 0200:27.6 U. T.

Remarks Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2056

Date 12 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2243 32.6 | .78 | 50.0 | 2050.0 | 30 12 | -127 49 | 2041 |
| 2243 46.6 | .77 | 49.0 | 2040.0 | 30 22 | -127 11 | 2031 |
| 2244 07.0 | 1.00 | 64.0 | 2050.0 | 30 35 | -126 14 | 2015 |
| 2244 14.5 | .64 | 42.0 | 2100.0 | 30 40 | -125 53 | 2008 |
| 2244 21.3 | .77 | 52.0 | 2160.0 | 30 44 | -125 34 | 2003 |
| 2244 28.4 | .89 | 59.0 | 2230.0 | 30 49 | -125 14 | 1997 |
| 2244 35.4 | 1.01 | 62.0 | 1960.0 | 30 53 | -124 54 | 1992 |
| 2244 51.5 | .77 | 50.0 | 2080.0 | 31 04 | -124 09 | 1979 |
| 2245 05.5 | .90 | 62.0 | 2200.0 | 31 12 | -123 29 | 1967 |
| 2245 19.5 | 1.20 | 77.0 | 2050.0 | 31 20 | -122 48 | 1956 |
| 2245 33.2 | 1.48 | 100.0 | 2160.0 | 31 27 | -122 09 | 1944 |
| 2245 40.3 | 1.47 | 94.0 | 2050.0 | 31 31 | -121 48 | 1938 |
| 2245 47.5 | 1.06 | 68.0 | 2050.0 | 31 35 | -121 27 | 1932 |
| 2246 01.2 | 1.52 | 101.0 | 2130.0 | 31 43 | -120 47 | 1921 |
| 2246 15.6 | 1.34 | 84.0 | 2010.0 | 31 50 | -120 04 | 1909 |
| 2246 22.0 | 1.62 | 107.0 | 2110.0 | 31 53 | -119 45 | 1903 |
| 2246 36.1 | 1.96 | 60.0 | 2000.0 | 32 00 | -119 03 | 1891 |
| 2246 50.4 | 1.37 | 88.0 | 2060.0 | 32 07 | -118 21 | 1879 |
| 2247 13.1 | 2.35 | 152.0 | 2070.0 | 32 17 | -117 12 | 1859 |
| 2247 34.4 | 2.27 | 142.0 | 2000.0 | 32 26 | -116 08 | 1840 |
| 2247 41.4 | 1.69 | 113.0 | 2140.0 | 32 29 | -115 46 | 1834 |
| 2247 48.5 | 1.32 | 86.0 | 2080.0 | 32 32 | -115 25 | 1828 |
| 2247 56.0 | 1.14 | 74.0 | 2020.0 | 32 35 | -115 02 | 1821 |
| 2248 16.8 | 1.56 | 100.0 | 2050.0 | 32 42 | -113 58 | 1802 |
| 2248 32.1 | .98 | 65.0 | 2120.0 | 32 47 | -113 10 | 1788 |
| 2248 39.2 | 1.27 | 83.0 | 2090.0 | 32 49 | -112 48 | 1782 |
| 2249 07.3 | 1.41 | 90.0 | 2040.0 | 32 58 | -111 20 | 1756 |
| 2249 21.4 | 1.55 | 98.0 | 2020.0 | 33 01 | -110 35 | 1743 |

Local time base cor. 4.95 (cm/sec). Data begins 2243:32.2 U. T. Data ends 2249:56.8 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2056

Date 12 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2249 35.5 | 1.50 | 87.0 | 1860.0 | 33 05 | -109 50 | 1730 |
| 2249 56.1 | 1.31 | 86.0 | 2100.0 | 33 10 | -108 44 | 1711 |

Local time base cor. 4.95 (cm/sec). Data begins 2243:32.2 U. T. Data ends 2249:56.8 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Data Reader S. Yoshida

Record No. 2057

Data Checker W. Lin

Date 13 Feb. 1958 U. T.

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0047 12.0 | .48 | 18.0 | 1200.0 | 33 21 | -129 23 | 1573 |
| 0047 40.5 | 1.45 | 58.0 | 1280.0 | 33 19 | -127 47 | 1545 |
| 0047 44.1 | 1.27 | 43.0 | 1080.0 | 33 18 | -127 35 | 1542 |
| 0047 54.7 | 1.26 | 47.0 | 1190.0 | 33 17 | -126 59 | 1532 |
| 0048 01.9 | .60 | 23.0 | 1230.0 | 33 17 | -126 35 | 1525 |
| 0048 08.7 | .88 | 31.0 | 1130.0 | 33 15 | -126 11 | 1518 |
| 0048 15.7 | 1.74 | 59.0 | 1090.0 | 33 14 | -125 48 | 1511 |
| 0048 22.3 | 1.48 | 48.0 | 1040.0 | 33 13 | -125 25 | 1504 |
| 0048 30.0 | 1.30 | 38.0 | 935.0 | 33 11 | -124 59 | 1497 |
| 0048 37.1 | 1.50 | 50.0 | 1070.0 | 33 10 | -124 35 | 1490 |
| 0048 44.0 | 1.14 | 34.0 | 954.0 | 33 08 | -124 11 | 1483 |
| 0048 51.2 | 1.69 | 51.0 | 966.0 | 33 07 | -123 47 | 1476 |
| 0048 58.1 | 1.85 | 56.0 | 969.0 | 33 05 | -123 23 | 1469 |
| 0049 05.6 | 2.06 | 65.0 | 1010.0 | 33 03 | -122 58 | 1461 |
| 0049 12.6 | 1.84 | 56.0 | 974.0 | 33 01 | -122 34 | 1454 |
| 0049 19.9 | 2.91 | 88.0 | 968.0 | 32 59 | -122 08 | 1447 |
| 0049 26.7 | 2.01 | 57.0 | 907.0 | 32 57 | -121 45 | 1440 |
| 0049 34.7 | 2.70 | 81.0 | 960.0 | 32 55 | -121 17 | 1432 |
| 0049 41.5 | 2.58 | 72.0 | 893.0 | 32 53 | -120 54 | 1426 |
| 0049 48.6 | 2.15 | 64.0 | 953.0 | 32 50 | -120 29 | 1418 |
| 0049 55.5 | 1.59 | 44.0 | 886.0 | 32 48 | -120 06 | 1412 |
| 0050 02.5 | 2.50 | 67.0 | 857.0 | 32 46 | -119 41 | 1405 |
| 0050 11.9 | 6.04 | 158.0 | 837.0 | 32 42 | -119 09 | 1395 |
| 0050 18.0 | 3.02 | 77.0 | 816.0 | 32 39 | -118 48 | 1389 |
| 0050 24.9 | 3.03 | 76.0 | 803.0 | 32 36 | -118 24 | 1382 |
| 0050 32.0 | 4.13 | 100.0 | 775.0 | 32 33 | -117 59 | 1375 |
| 0050 39.9 | 5.37 | 123.0 | 733.0 | 32 30 | -117 32 | 1367 |
| 0050 47.4 | 5.12 | 118.0 | 738.0 | 32 26 | -117 06 | 1359 |

Local time base cor. 4.94 (cm/sec). Data begins 0047:11.8 U. T. Data ends 0053:00.9 U. T.

Remarks Data from the beginning to 0048:37.1 questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2057

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0050 55.5 | 7.21 | 165.0 | 732.0 | 32 23 | -116 38 | 1351 |
| 0051 02.9 | 7.62 | 163.0 | 685.0 | 32 19 | -116 12 | 1344 |
| 0051 11.5 | 9.68 | 200.0 | 661.0 | 32 15 | -115 42 | 1335 |
| 0051 20.9 | 9.15 | 187.0 | 654.0 | 32 10 | -115 09 | 1325 |
| 0051 30.2 | 5.00 | 100.0 | 640.0 | 32 05 | -114 37 | 1316 |
| 0051 37.5 | 5.68 | 113.0 | 637.0 | 32 01 | -114 11 | 1309 |
| 0051 43.5 | 3.65 | 66.0 | 579.0 | 31 58 | -113 50 | 1303 |
| 0051 49.7 | 7.95 | 145.0 | 584.0 | 31 54 | -113 29 | 1297 |
| 0051 57.9 | 3.88 | 68.0 | 561.0 | 31 50 | -113 00 | 1288 |
| 0052 04.7 | 3.50 | 59.0 | 539.0 | 31 46 | -112 37 | 1282 |
| 0052 11.8 | 3.26 | 53.0 | 520.0 | 31 41 | -112 12 | 1274 |
| 0052 19.0 | 3.17 | 52.0 | 529.0 | 31 37 | -111 47 | 1267 |
| 0052 26.1 | 3.32 | 50.0 | 482.0 | 31 32 | -111 22 | 1260 |
| 0052 33.1 | 3.43 | 50.0 | 466.0 | 31 27 | -110 57 | 1253 |
| 0052 40.2 | 3.10 | 46.0 | 475.0 | 31 23 | -110 32 | 1246 |
| 0053 00.5 | .88 | 12.0 | 436.0 | 31 10 | -109 21 | 1225 |

Local time base cor. 4.94 (cm/sec). Data begins 0047:11.8 U. T. Data ends 0053:00.9 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2058

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0251 36.0 | 2.26 | 4.0 | 56.6 | 27 22 | -124 33 | 998 |
| 0251 50.0 | 2.20 | 4.5 | 65.5 | 27 07 | -123 45 | 984 |
| 0252 03.8 | 4.23 | 8.5 | 64.3 | 26 49 | -122 57 | 971 |
| 0252 10.7 | 2.85 | 4.5 | 50.5 | 26 40 | -122 33 | 964 |
| 0252 20.6 | 1.90 | 3.5 | 58.9 | 26 27 | -121 59 | 955 |

Local time base cor. 0.993 (cm/sec). Data begins 0251:34.9 U. T. Data ends 0252:21.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2059

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2136 58.1 | .97 | 60.0 | 1980.0 | 28 13 | -123 18 | 2241 |
| 2137 10.0 | .63 | 41.0 | 2080.0 | 28 31 | -122 48 | 2233 |
| 2137 12.1 | .52 | 31.0 | 1930.0 | 28 32 | -122 42 | 2232 |
| 2137 17.3 | .80 | 49.0 | 1960.0 | 28 37 | -122 29 | 2228 |
| 2137 19.1 | .40 | 25.0 | 2000.0 | 28 38 | -122 24 | 2227 |
| 2138 23.2 | .61 | 37.0 | 1940.0 | 29 27 | -119 39 | 2186 |
| 2138 30.3 | .70 | 47.0 | 2150.0 | 29 32 | -119 21 | 2181 |
| 2138 35.5 | .55 | 36.0 | 2100.0 | 29 35 | -119 07 | 2177 |
| 2138 37.5 | .47 | 31.0 | 2110.0 | 29 37 | -119 02 | 2176 |
| 2138 42.3 | .70 | 52.0 | 2380.0 | 29 40 | -118 49 | 2173 |
| 2138 51.4 | .51 | 31.0 | 1950.0 | 29 47 | -118 28 | 2167 |
| 2138 58.6 | .71 | 45.0 | 2030.0 | 29 52 | -118 07 | 2162 |
| 2139 05.9 | .65 | 40.0 | 1970.0 | 29 57 | -117 47 | 2157 |
| 2139 20.0 | .65 | 42.0 | 2070.0 | 30 07 | -117 09 | 2147 |
| 2139 25.0 | .53 | 36.0 | 2170.0 | 30 10 | -116 56 | 2143 |
| 2139 27.1 | .56 | 37.0 | 2110.0 | 30 12 | -116 50 | 2142 |
| 2139 34.1 | .65 | 45.0 | 2220.0 | 30 16 | -116 31 | 2137 |
| 2139 39.4 | .60 | 41.0 | 2190.0 | 30 20 | -116 17 | 2133 |
| 2139 41.4 | .70 | 42.0 | 1920.0 | 30 21 | -116 12 | 2132 |
| 2139 46.2 | .84 | 54.0 | 2060.0 | 30 25 | -115 59 | 2128 |
| 2139 53.5 | .72 | 47.0 | 2090.0 | 30 30 | -115 39 | 2123 |
| 2139 55.3 | .70 | 46.0 | 2100.0 | 30 31 | -115 35 | 2122 |
| 2140 01.0 | .58 | 37.0 | 2040.0 | 30 35 | -115 19 | 2118 |
| 2140 02.6 | .44 | 30.0 | 2180.0 | 30 36 | -115 15 | 2117 |
| 2140 07.7 | .48 | 31.0 | 2070.0 | 30 39 | -115 01 | 2113 |
| 2140 09.5 | .90 | 58.0 | 2060.0 | 30 40 | -114 56 | 2112 |
| 2140 16.5 | .85 | 55.0 | 2070.0 | 30 44 | -114 37 | 2107 |
| 2140 22.2 | .68 | 43.0 | 2020.0 | 30 48 | -114 21 | 2102 |

Local time base cor. 4.97 (cm/sec). Data begins 2136:57.6 U. T. Data ends 2142:46.4 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2059

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2140 23.2 | .90 | 58.0 | 2060.0 | 30 48 | -114 18 | 2102 |
| 2140 37.7 | .88 | 57.0 | 2070.0 | 30 57 | -113 38 | 2091 |
| 2140 45.2 | .94 | 64.0 | 2180.0 | 31 02 | -113 18 | 2085 |
| 2140 50.6 | .53 | 35.0 | 2110.0 | 31 05 | -113 03 | 2081 |
| 2140 52.2 | .45 | 30.0 | 2130.0 | 31 06 | -112 58 | 2080 |
| 2140 57.9 | 1.55 | 100.0 | 2070.0 | 31 10 | -112 43 | 2076 |
| 2141 06.1 | .80 | 50.0 | 2000.0 | 31 14 | -112 20 | 2070 |
| 2141 13.5 | 1.03 | 70.0 | 2180.0 | 31 18 | -111 59 | 2064 |
| 2141 16.6 | 1.07 | 63.0 | 1880.0 | 31 20 | -111 50 | 2062 |
| 2141 20.4 | 1.08 | 69.0 | 2040.0 | 31 22 | -111 40 | 2059 |
| 2141 27.5 | 1.18 | 70.0 | 1900.0 | 31 26 | -111 20 | 2053 |
| 2141 40.8 | .79 | 48.0 | 1940.0 | 31 33 | -110 42 | 2043 |
| 2141 41.5 | .45 | 29.0 | 2060.0 | 31 34 | -110 40 | 2043 |
| 2141 47.8 | .75 | 43.0 | 1840.0 | 31 37 | -110 22 | 2038 |
| 2142 01.5 | .80 | 48.0 | 1920.0 | 31 45 | -109 44 | 2027 |
| 2142 09.0 | 1.00 | 58.0 | 1860.0 | 31 48 | -109 22 | 2021 |
| 2142 15.8 | .82 | 53.0 | 2070.0 | 31 51 | -109 02 | 2015 |
| 2142 22.8 | .80 | 47.0 | 1880.0 | 31 55 | -108 42 | 2010 |
| 2142 45.9 | 1.03 | 63.0 | 1960.0 | 32 05 | -107 36 | 1992 |

Local time base cor. 4.97 (cm/sec). Data begins 2136:57.6 U. T. Data ends 2142:46.4 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2060

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2340 17.9 | .48 | 26.0 | 1730.0 | 33 05 | -128 06 | 1857 |
| 2340 32.0 | .75 | 42.0 | 1790.0 | 33 08 | -127 22 | 1844 |
| 2340 39.0 | .43 | 22.0 | 1640.0 | 33 09 | -127 01 | 1838 |
| 2340 40.9 | .56 | 37.0 | 2110.0 | 33 10 | -126 55 | 1836 |
| 2340 48.0 | .66 | 45.0 | 2180.0 | 33 11 | -126 33 | 1830 |
| 2341 02.2 | .42 | 26.0 | 1980.0 | 33 14 | -125 49 | 1818 |
| 2341 29.2 | .80 | 44.0 | 1760.0 | 33 18 | -124 24 | 1793 |
| 2341 43.2 | .30 | 17.0 | 1810.0 | 33 20 | -123 39 | 1780 |
| 2341 44.8 | .68 | 37.0 | 1740.0 | 33 20 | -123 34 | 1779 |
| 2341 50.0 | .96 | 56.0 | 1970.0 | 33 21 | -123 18 | 1774 |
| 2341 57.3 | .63 | 37.0 | 1880.0 | 33 22 | -122 55 | 1768 |
| 2342 01.0 | .61 | 33.0 | 1730.0 | 33 22 | -122 43 | 1764 |
| 2342 04.1 | .85 | 47.0 | 1770.0 | 33 22 | -122 33 | 1761 |
| 2342 07.8 | .80 | 45.0 | 1800.0 | 33 22 | -122 21 | 1758 |
| 2342 11.5 | 1.11 | 63.0 | 1820.0 | 33 22 | -122 09 | 1755 |
| 2342 13.5 | 1.15 | 73.0 | 2030.0 | 33 22 | -122 03 | 1753 |
| 2342 18.6 | .88 | 50.0 | 1820.0 | 33 23 | -121 46 | 1748 |
| 2342 20.4 | 1.06 | 66.0 | 1990.0 | 33 23 | -121 41 | 1748 |
| 2342 23.8 | .52 | 33.0 | 2030.0 | 33 23 | -121 30 | 1743 |
| 2342 25.5 | .96 | 54.0 | 1800.0 | 33 23 | -121 24 | 1742 |
| 2342 27.5 | 1.18 | 75.0 | 2030.0 | 33 23 | -121 18 | 1740 |
| 2342 32.5 | .78 | 42.0 | 1720.0 | 33 23 | -121 02 | 1735 |
| 2342 34.7 | .98 | 61.0 | 1990.0 | 33 23 | -120 55 | 1733 |
| 2342 39.5 | 1.15 | 66.0 | 1840.0 | 33 23 | -120 37 | 1729 |
| 2342 41.5 | 1.40 | 88.0 | 2010.0 | 33 23 | -120 33 | 1727 |
| 2342 48.7 | 1.46 | 92.0 | 2020.0 | 33 24 | -120 10 | 1720 |
| 2342 55.5 | 1.55 | 98.0 | 2020.0 | 33 24 | -119 48 | 1714 |
| 2343 02.4 | 2.06 | 125.0 | 1940.0 | 33 24 | -119 26 | 1707 |

Local time base cor. 4.95 (cm/sec). Data begins 2340:17.7 U. T. Data ends 2346:14.6 U. T.

Remarks Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2060

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2343 06.4 | .46 | 27.0 | 1880.0 | 33 24 | -119 13 | 1704 |
| 2343 09.3 | 2.73 | 162.0 | 1900.0 | 33 23 | -119 04 | 1701 |
| 2343 13.0 | .88 | 50.0 | 1820.0 | 33 23 | -118 52 | 1697 |
| 2343 16.4 | 2.69 | 16.5 | 1960.0 | 33 23 | -118 41 | 1694 |
| 2343 19.5 | 1.30 | 70.0 | 1720.0 | 33 23 | -118 31 | 1691 |
| 2343 23.5 | 2.31 | 136.0 | 1880.0 | 33 22 | -118 18 | 1688 |
| 2343 26.8 | 1.22 | 71.0 | 1860.0 | 33 22 | -118 07 | 1684 |
| 2343 30.5 | 2.65 | 159.0 | 1920.0 | 33 22 | -117 55 | 1681 |
| 2343 34.0 | 1.75 | 101.0 | 1850.0 | 33 22 | -117 44 | 1678 |
| 2343 37.6 | 2.58 | 146.0 | 1810.0 | 33 21 | -117 32 | 1674 |
| 2343 40.9 | 1.33 | 73.0 | 1760.0 | 33 21 | -117 21 | 1671 |
| 2343 44.5 | 2.80 | 146.0 | 1670.0 | 33 21 | -117 09 | 1668 |
| 2343 51.6 | 2.24 | 129.0 | 1840.0 | 33 21 | -116 46 | 1661 |
| 2343 54.6 | .77 | 43.0 | 1790.0 | 33 20 | -116 37 | 1658 |
| 2343 59.4 | 3.12 | 179.0 | 1840.0 | 33 20 | -116 21 | 1654 |
| 2344 05.5 | 1.64 | 100.0 | 1950.0 | 33 19 | -116 01 | 1648 |
| 2344 07.1 | 1.18 | 68.0 | 1840.0 | 33 19 | -115 56 | 1646 |
| 2344 09.0 | .89 | 48.0 | 1730.0 | 33 18 | -115 49 | 1644 |
| 2344 13.2 | 2.46 | 140.0 | 1820.0 | 33 18 | -115 25 | 1640 |
| 2344 20.7 | 3.21 | 183.0 | 1820.0 | 33 16 | -115 11 | 1633 |
| 2344 27.5 | 2.86 | 161.0 | 1800.0 | 33 15 | -114 48 | 1627 |
| 2344 34.6 | 3.11 | 173.0 | 1780.0 | 33 14 | -114 25 | 1620 |
| 2344 41.8 | 2.83 | 158.0 | 1790.0 | 33 12 | -114 01 | 1613 |
| 2344 49.0 | 2.83 | 160.0 | 1810.0 | 33 11 | -113 37 | 1606 |
| 2344 56.4 | 2.18 | 120.0 | 1760.0 | 33 10 | -113 13 | 1599 |
| 2345 03.5 | 1.69 | 95.0 | 1800.0 | 33 08 | -112 49 | 1592 |
| 2345 10.3 | 1.47 | 80.0 | 1740.0 | 33 06 | -112 27 | 1585 |
| 2345 17.5 | 1.75 | 97.0 | 1770.0 | 33 04 | -112 03 | 1578 |

Local time base cor. 4.95 (cm/sec). Data begins 2340:17.7 U. T. Data ends 2346:14.6 U. T.

Remarks Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2060

Date 13 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2345 24.4 | 1.20 | 66.0 | 1760.0 | 33 02 | -111 40 | 1572 |
| 2345 31.6 | .95 | 53.0 | 1890.0 | 33 01 | -111 16 | 1565 |
| 2345 38.3 | 1.54 | 83.0 | 1730.0 | 32 59 | -110 54 | 1555 |
| 2345 45.4 | .78 | 42.0 | 1720.0 | 32 57 | -110 30 | 1551 |
| 2345 52.6 | .95 | 50.0 | 1680.0 | 32 55 | -110 07 | 1544 |
| 2345 59.9 | 1.03 | 54.0 | 1680.0 | 32 53 | -109 42 | 1537 |
| 2346 14.3 | .53 | 26.0 | 1570.0 | 32 48 | -108 54 | 1523 |

Local time base cor. 4.95 (cm/sec). Data begins 2340:17.7 U. T. Data ends 2346:14.6 U. T.

Remarks Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2063

Date 14 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2234 53.7 | .65 | 41.0 | 2020.0 | 32 42 | -121 21 | 2037 |
| 2235 00.9 | .67 | 43.0 | 2050.0 | 32 44 | -121 00 | 2032 |
| 2235 08.3 | .49 | 32.0 | 2090.0 | 32 46 | -120 39 | 2026 |
| 2235 13.3 | .46 | 27.0 | 1880.0 | 32 48 | -120 24 | 2022 |
| 2235 20.1 | .95 | 59.0 | 1990.0 | 32 50 | -120 04 | 2016 |
| 2235 22.3 | .53 | 33.0 | 1990.0 | 32 50 | -119 57 | 2015 |
| 2235 29.2 | .30 | 19.0 | 2030.0 | 32 52 | -119 37 | 2009 |
| 2235 35.1 | .55 | 34.0 | 1980.0 | 32 54 | -119 19 | 2005 |
| 2235 36.8 | .72 | 44.0 | 1960.0 | 32 54 | -119 14 | 2003 |
| 2235 41.5 | .87 | 56.0 | 2060.0 | 32 56 | -119 01 | 1999 |
| 2235 43.6 | .74 | 41.0 | 1770.0 | 32 56 | -118 54 | 1998 |
| 2235 48.9 | .85 | 54.0 | 2030.0 | 32 58 | -118 39 | 1994 |
| 2235 55.9 | .44 | 26.0 | 1890.0 | 33 00 | -118 18 | 1988 |
| 2236 12.3 | .37 | 23.0 | 1990.0 | 33 04 | -117 29 | 1975 |
| 2236 19.0 | .60 | 36.0 | 1920.0 | 33 05 | -117 09 | 1969 |
| 2236 33.7 | .75 | 47.0 | 2000.0 | 33 08 | -116 24 | 1957 |
| 2236 28.3 | .64 | 41.0 | 2050.0 | 33 09 | -116 10 | 1953 |
| 2236 47.6 | .41 | 25.0 | 1950.0 | 33 11 | -115 42 | 1945 |
| 2236 54.8 | .58 | 36.0 | 1990.0 | 33 13 | -115 21 | 1939 |
| 2237 01.8 | .72 | 44.0 | 1960.0 | 33 14 | -115 00 | 1934 |
| 2237 09.0 | .58 | 39.0 | 2150.0 | 33 14 | -114 53 | 1932 |
| 2237 13.9 | .82 | 53.0 | 2070.0 | 33 16 | -114 23 | 1923 |
| 2237 16.0 | .92 | 55.0 | 1910.0 | 33 16 | -114 16 | 1922 |
| 2237 20.7 | .34 | 23.0 | 2170.0 | 33 16 | -114 02 | 1918 |
| 2237 23.3 | .97 | 60.0 | 1980.0 | 33 17 | -113 54 | 1915 |
| 2237 28.3 | .63 | 44.0 | 2230.0 | 33 17 | -113 39 | 1911 |
| 2237 30.3 | 1.08 | 67.0 | 1990.0 | 33 18 | -113 33 | 1909 |
| 2237 37.2 | .98 | 60.0 | 1960.0 | 33 18 | -113 12 | 1904 |

Local time base cor. 4.95 (cm/sec). Data begins 2234:53.4 U. T. Data ends 2238:20.7 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2063

Date 14 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2237 44.4 | 1.10 | 63.0 | 1830.0 | 33 19 | -112 50 | 1897 |
| 2237 56.4 | .57 | 37.0 | 2080.0 | 33 21 | -112 13 | 1887 |
| 2237 58.8 | .67 | 42.0 | 2010.0 | 33 21 | -112 06 | 1885 |
| 2238 06.0 | .69 | 45.0 | 2090.0 | 33 21 | -111 43 | 1879 |
| 2238 12.8 | .58 | 38.0 | 2100.0 | 33 21 | -111 22 | 1873 |
| 2238 20.3 | .80 | 47.0 | 1880.0 | 33 22 | -110 59 | 1866 |

Local time base cor. 4.95 (cm/sec). Data begins 2234:53.4 U. T. Data ends 2238:20.7 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2064

Date 15 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0036 36.7 | .41 | 22.0 | 1720.0 | 32 57 | -128 40 | 1679 |
| 0037 02.5 | .35 | 18.0 | 1650.0 | 32 49 | -127 17 | 1655 |
| 0037 03.3 | .58 | 24.0 | 1320.0 | 32 49 | -127 14 | 1654 |
| 0037 19.5 | .85 | 41.0 | 1540.0 | 32 43 | -126 22 | 1638 |
| 0037 31.9 | .49 | 20.0 | 1300.0 | 32 38 | -125 41 | 1626 |
| 0037 49.6 | .47 | 18.0 | 1230.0 | 32 31 | -124 44 | 1609 |
| 0037 52.8 | .62 | 22.0 | 1140.0 | 32 30 | -124 33 | 1606 |
| 0037 55.4 | .55 | 24.0 | 1400.0 | 32 29 | -124 25 | 1604 |
| 0038 09.2 | .28 | 12.0 | 1370.0 | 32 23 | -123 40 | 1590 |
| 0038 10.3 | 1.08 | 40.0 | 1190.0 | 32 22 | -123 36 | 1586 |
| 0038 16.7 | .43 | 17.0 | 1270.0 | 32 19 | -123 15 | 1583 |
| 0038 23.5 | .83 | 34.0 | 1310.0 | 32 16 | -122 53 | 1577 |
| 0038 28.5 | .42 | 11.5 | 876.0 | 32 13 | -122 37 | 1572 |
| 0038 49.7 | .73 | 21.5 | 942.0 | 32 03 | -121 28 | 1551 |
| 0038 51.6 | .45 | 17.5 | 1240.0 | 32 02 | -121 21 | 1549 |
| 0038 56.9 | .58 | 16.5 | 910.0 | 31 59 | -121 04 | 1544 |
| 0038 59.4 | .49 | 17.5 | 1140.0 | 31 58 | -120 56 | 1542 |
| 0039 06.0 | .71 | 26.5 | 1190.0 | 31 55 | -120 34 | 1535 |
| 0039 11.3 | .54 | 13.5 | 800.0 | 31 51 | -120 17 | 1530 |
| 0039 13.3 | .83 | 28.5 | 1100.0 | 31 50 | -120 11 | 1528 |
| 0039 20.3 | 1.14 | 38.5 | 1080.0 | 31 46 | -119 48 | 1521 |
| 0039 25.3 | 1.05 | 24.5 | 746.0 | 31 43 | -119 31 | 1516 |
| 0039 27.3 | 1.00 | 33.5 | 1070.0 | 31 42 | -119 25 | 1514 |
| 0039 34.7 | .65 | 19.5 | 960.0 | 31 38 | -119 01 | 1507 |
| 0039 41.8 | 1.08 | 31.5 | 933.0 | 31 34 | -118 37 | 1500 |
| 0039 46.8 | 1.25 | 31.5 | 806.0 | 31 31 | -118 21 | 1495 |
| 0039 48.7 | .70 | 22.5 | 1030.0 | 31 30 | -118 15 | 1493 |
| 0039 52.0 | .80 | 23.5 | 940.0 | 31 28 | -118 04 | 1490 |

Local time base cor. 4.95 (cm/sec). Data begins 0036:36.5 U. T. Data ends 0041:58.0 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2064

Date 15 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0039 53.9 | .91 | 19.5 | 1020.0 | 31 27 | -117 58 | 1488 |
| 0039 55.7 | 1.53 | 44.5 | 931.0 | 31 26 | -117 52 | 1486 |
| 0040 01.0 | .85 | 17.5 | 659.0 | 31 22 | -117 35 | 1481 |
| 0040 03.0 | 1.10 | 31.5 | 916.0 | 31 21 | -117 28 | 1479 |
| 0040 06.3 | .67 | 20.5 | 980.0 | 31 19 | -117 17 | 1475 |
| 0040 10.1 | 1.36 | 36.5 | 859.0 | 31 16 | -117 05 | 1472 |
| 0040 15.3 | .98 | 19.5 | 637.0 | 31 12 | -116 48 | 1466 |
| 0040 17.1 | 1.27 | 33.5 | 844.0 | 31 11 | -116 42 | 1465 |
| 0040 22.2 | .97 | 18.5 | 610.0 | 31 07 | -116 25 | 1460 |
| 0040 24.3 | .95 | 25.5 | 964.0 | 31 06 | -116 19 | 1457 |
| 0040 29.6 | .91 | 17.5 | 615.0 | 31 02 | -116 01 | 1452 |
| 0040 31.2 | 1.52 | 40.5 | 852.0 | 31 01 | -115 56 | 1451 |
| 0040 36.6 | 1.22 | 22.5 | 590.0 | 30 57 | -115 38 | 1445 |
| 0040 38.6 | 1.17 | 28.5 | 780.0 | 30 56 | -115 32 | 1443 |
| 0040 43.9 | .74 | 14.5 | 615.0 | 30 52 | -115 15 | 1438 |
| 0040 45.7 | 1.53 | 36.5 | 775.0 | 30 51 | -115 09 | 1436 |
| 0040 51.2 | 1.92 | 37.5 | 626.0 | 30 47 | -114 51 | 1431 |
| 0040 53.0 | .85 | 17.5 | 650.0 | 30 46 | -114 45 | 1429 |
| 0040 59.0 | 3.30 | 67.5 | 660.0 | 30 42 | -114 25 | 1423 |
| 0041 06.3 | 2.82 | 56.5 | 645.0 | 30 36 | -114 01 | 1416 |
| 0041 13.4 | 3.25 | 61.5 | 610.0 | 30 30 | -113 38 | 1408 |
| 0041 19.4 | 1.08 | 17.5 | 512.0 | 30 25 | -113 18 | 1402 |
| 0041 20.8 | .96 | 21.5 | 711.0 | 30 24 | -113 14 | 1401 |
| 0041 27.5 | 3.27 | 58.5 | 576.0 | 30 19 | -112 52 | 1394 |
| 0041 33.9 | 2.50 | 41.5 | 540.0 | 30 14 | -112 31 | 1388 |
| 0041 42.1 | 1.77 | 31.5 | 569.0 | 30 07 | -112 04 | 1380 |
| 0041 48.8 | 2.95 | 45.5 | 501.0 | 30 02 | -111 42 | 1373 |
| 0041 56.7 | 2.68 | 40.5 | 491.0 | 29 56 | -111 16 | 1365 |

Local time base cor. 4.95 (cm/sec). Data begins 0036:36.5 U. T. Data ends 0041:58.0 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2066

Date 15 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2126 21.4 | 1.50 | 89.0 | 1900.0 | 30 36 | -122 15 | 2306 |
| 2126 43.6 | 1.35 | 70.0 | 1660.0 | 30 49 | -121 18 | 2294 |
| 2126 50.6 | 1.10 | 61.0 | 1770.0 | 30 53 | -120 59 | 2290 |
| 2126 57.9 | 1.55 | 88.0 | 1820.0 | 30 58 | -120 40 | 2284 |
| 2127 05.2 | 2.21 | 127.0 | 1840.0 | 31 02 | -120 21 | 2281 |
| 2127 12.7 | 2.67 | 145.0 | 1740.0 | 31 06 | -120 01 | 2277 |
| 2127 17.7 | 4.72 | 265.0 | 1800.0 | 31 09 | -119 48 | 2274 |
| 2127 25.1 | 3.78 | 219.0 | 1850.0 | 31 13 | -119 28 | 2270 |
| 2127 29.2 | 3.12 | 180.0 | 1850.0 | 31 15 | -119 17 | 2267 |
| 2127 39.3 | 1.62 | 91.0 | 1800.0 | 31 21 | -118 50 | 2261 |
| 2127 44.5 | 6.03 | 334.0 | 1770.0 | 31 23 | -118 36 | 2258 |
| 2127 54.4 | 1.85 | 103.0 | 1780.0 | 31 29 | -118 10 | 2252 |
| 2128 01.2 | 4.05 | 214.0 | 1690.0 | 31 33 | -117 52 | 2248 |
| 2128 08.2 | 1.20 | 69.0 | 1840.0 | 31 36 | -117 33 | 2244 |
| 2128 15.5 | 4.06 | 227.0 | 1790.0 | 31 39 | -117 13 | 2239 |
| 2128 23.0 | 2.87 | 159.0 | 1770.0 | 31 43 | -116 53 | 2234 |
| 2128 28.6 | 5.35 | 289.0 | 1730.0 | 31 46 | -116 37 | 2231 |
| 2128 36.0 | 5.44 | 306.0 | 1800.0 | 31 49 | -116 17 | 2226 |
| 2128 44.2 | 3.01 | 168.0 | 1790.0 | 31 53 | -115 55 | 2221 |
| 2128 52.3 | 3.18 | 176.0 | 1770.0 | 31 57 | -115 33 | 2216 |
| 2128 57.3 | 5.25 | 289.0 | 1760.0 | 32 00 | -115 19 | 2213 |
| 2129 06.0 | 4.49 | 247.0 | 1760.0 | 32 04 | -114 55 | 2207 |
| 2129 12.2 | 4.13 | 236.0 | 1830.0 | 32 06 | -114 38 | 2203 |
| 2129 20.1 | 4.92 | 272.0 | 1770.0 | 32 09 | -114 16 | 2198 |
| 2129 26.3 | 7.41 | 400.0 | 1730.0 | 32 12 | -113 59 | 2193 |
| 2129 34.1 | 3.40 | 194.0 | 1830.0 | 32 15 | -113 38 | 2188 |
| 2129 40.8 | 3.76 | 200.0 | 1700.0 | 32 18 | -113 19 | 2184 |
| 2129 48.0 | 2.63 | 145.0 | 1760.0 | 32 21 | -112 59 | 2179 |

Local time base cor. 4.95 (cm/sec). Data begins 2126:20.6 U. T. Data ends 2131:38.6 U. T.

Remarks Data questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2066

Date 15 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2129 54.1 | 6.60 | 360.0 | 1750.0 | 32 24 | -112 42 | 2175 |
| 2130 07.3 | 5.25 | 282.0 | 1720.0 | 32 28 | -112 05 | 2166 |
| 2130 15.9 | 6.75 | 356.0 | 1690.0 | 32 31 | -111 41 | 2160 |
| 2130 23.7 | 3.14 | 166.0 | 1690.0 | 32 34 | -111 19 | 2154 |
| 2130 30.8 | 3.46 | 189.0 | 1750.0 | 32 36 | -110 59 | 2149 |
| 2130 38.7 | 1.00 | 56.0 | 1790.0 | 32 39 | -110 37 | 2144 |
| 2130 45.2 | 4.37 | 238.0 | 1740.0 | 32 41 | -110 19 | 2139 |
| 2130 59.7 | 7.75 | 400.0 | 1650.0 | 32 46 | -109 38 | 2129 |
| 2131 05.9 | 4.56 | 243.0 | 1710.0 | 32 48 | -109 20 | 2125 |
| 2131 12.9 | 6.53 | 348.0 | 1710.0 | 32 50 | -109 00 | 2120 |
| 2131 25.9 | 3.44 | 174.0 | 1620.0 | 32 53 | -108 22 | 2110 |
| 2131 36.4 | 4.38 | 231.0 | 1690.0 | 32 56 | -107 52 | 2102 |

Local time base cor. 4.95 (cm/sec). Data begins 2126:20.6 U. T. Data ends 2131:38.6 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2067

Date 15 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2330 40.0 | 1.32 | 85.0 | 2050.0 | 33 19 | -123 48 | 1900 |
| 2330 51.2 | 1.13 | 67.0 | 1900.0 | 33 18 | -123 14 | 1891 |
| 2330 55.0 | .76 | 49.0 | 2050.0 | 33 17 | -123 02 | 1888 |
| 2331 01.3 | 1.88 | 120.0 | 2040.0 | 33 17 | -122 43 | 1882 |
| 2331 08.8 | 2.16 | 137.0 | 2030.0 | 33 16 | -122 19 | 1876 |
| 2331 16.0 | 1.54 | 104.0 | 2170.0 | 33 14 | -121 58 | 1869 |
| 2331 23.4 | 2.07 | 135.0 | 2090.0 | 33 13 | -121 35 | 1863 |
| 2331 27.2 | 1.55 | 101.0 | 2090.0 | 33 12 | -121 23 | 1860 |
| 2331 30.6 | 1.21 | 80.0 | 2120.0 | 33 12 | -121 13 | 1857 |
| 2331 34.5 | 1.67 | 107.0 | 2050.0 | 33 11 | -121 01 | 1853 |
| 2331 37.7 | 2.08 | 133.0 | 2050.0 | 33 11 | -120 51 | 1850 |
| 2331 41.5 | .70 | 46.0 | 2100.0 | 33 10 | -120 39 | 1847 |
| 2331 44.9 | 1.69 | 116.0 | 2200.0 | 33 10 | -120 29 | 1844 |
| 2331 48.0 | 1.46 | 97.0 | 2120.0 | 33 09 | -120 19 | 1841 |
| 2331 51.7 | 1.73 | 118.0 | 2180.0 | 33 08 | -120 08 | 1838 |
| 2331 55.7 | 1.67 | 110.0 | 2100.0 | 33 08 | -119 55 | 1835 |
| 2331 58.9 | 2.81 | 185.0 | 2110.0 | 33 07 | -119 45 | 1832 |
| 2332 02.7 | 1.58 | 101.0 | 2040.0 | 33 06 | -119 34 | 1828 |
| 2332 06.5 | 1.80 | 119.0 | 2120.0 | 33 05 | -119 22 | 1825 |
| 2332 11.7 | 4.59 | 300.0 | 2090.0 | 33 04 | -119 05 | 1820 |
| 2332 20.9 | 1.60 | 108.0 | 2170.0 | 33 01 | -118 37 | 1812 |
| 2332 26.3 | 5.02 | 343.0 | 2190.0 | 33 00 | -118 20 | 1807 |
| 2332 31.3 | 2.16 | 139.0 | 2060.0 | 32 59 | -118 04 | 1803 |
| 2332 34.6 | 3.27 | 214.0 | 2090.0 | 32 58 | -117 54 | 1800 |
| 2332 42.2 | 1.74 | 110.0 | 2020.0 | 32 56 | -117 30 | 1793 |
| 2332 48.6 | 3.07 | 191.0 | 1990.0 | 32 54 | -117 10 | 1787 |
| 2332 54.8 | 4.70 | 305.0 | 2080.0 | 32 52 | -116 50 | 1781 |
| 2333 01.9 | 5.11 | 329.0 | 2060.0 | 32 50 | -116 28 | 1775 |

Local time base cor. 9.9 (cm/sec). Data begins 2330:39.3 U. T. Data ends 2334:51.1 U. T.

Remarks Rate tumble modulated. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2067

Date 15 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2333 10.0 | 3.36 | 209.0 | 1990.0 | 32 47 | -116 03 | 1767 |
| 2333 17.1 | 3.46 | 212.0 | 1960.0 | 32 45 | -115 40 | 1761 |
| 2333 23.2 | 4.18 | 263.0 | 2010.0 | 32 42 | -115 21 | 1755 |
| 2333 31.4 | 3.33 | 203.0 | 1950.0 | 32 39 | -114 56 | 1748 |
| 2333 38.5 | 3.21 | 195.0 | 1940.0 | 32 37 | -114 33 | 1741 |
| 2333 45.8 | 3.56 | 214.0 | 1920.0 | 32 34 | -114 10 | 1734 |
| 2333 52.7 | 2.80 | 174.0 | 2000.0 | 32 32 | -113 49 | 1728 |
| 2333 58.9 | 1.08 | 59.0 | 1750.0 | 32 29 | -113 29 | 1722 |
| 2334 00.9 | .99 | 62.0 | 2000.0 | 32 29 | -113 23 | 1720 |
| 2334 06.1 | .63 | 37.0 | 1880.0 | 32 26 | -113 07 | 1716 |
| 2334 07.8 | .74 | 48.0 | 2080.0 | 32 25 | -113 01 | 1714 |
| 2334 13.8 | 2.72 | 158.0 | 1860.0 | 32 23 | -112 42 | 1708 |
| 2334 16.7 | .89 | 50.0 | 1790.0 | 32 21 | -112 33 | 1706 |
| 2334 18.4 | .74 | 46.0 | 1980.0 | 32 20 | -112 26 | 1704 |
| 2334 20.0 | .58 | 31.0 | 1700.0 | 32 20 | -112 23 | 1702 |
| 2334 27.0 | 1.04 | 57.0 | 1750.0 | 32 16 | -112 01 | 1696 |
| 2334 29.3 | 1.25 | 74.0 | 1900.0 | 32 15 | -111 53 | 1694 |
| 2334 34.4 | .94 | 52.0 | 1770.0 | 32 13 | -111 37 | 1689 |
| 2334 36.4 | .94 | 59.0 | 2000.0 | 32 12 | -111 31 | 1687 |
| 2334 38.0 | .58 | 31.0 | 1710.0 | 32 11 | -111 26 | 1685 |
| 2334 41.6 | .54 | 27.0 | 1610.0 | 32 10 | -111 14 | 1682 |
| 2334 45.1 | .72 | 40.0 | 1780.0 | 32 08 | -111 03 | 1679 |
| 2334 50.8 | .52 | 30.0 | 1850.0 | 32 05 | -110 45 | 1673 |

Local time base cor. 9.9 (cm/sec). Data begins 2330:39.3 U. T. Data ends 2334:51.1 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2068

Date 16 Feb. 1958 U. T.

Data Reader D. Simanek

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0132 24.0 | .44 | 29.0 | 2100.0 | 30 15 | -130 43 | 1516 |
| 0132 31.4 | .66 | 44.0 | 2130.0 | 30 09 | -130 20 | 1508 |
| 0132 38.6 | .51 | 30.0 | 1880.0 | 30 03 | -129 57 | 1501 |
| 0132 45.4 | .47 | 29.0 | 1970.0 | 29 58 | -129 35 | 1494 |
| 0132 51.8 | .63 | 42.0 | 2130.0 | 29 53 | -129 15 | 1488 |
| 0133 06.3 | .54 | 33.0 | 1960.0 | 29 40 | -128 29 | 1474 |
| 0133 20.6 | .70 | 43.0 | 1980.0 | 29 27 | -127 44 | 1459 |
| 0133 27.8 | .75 | 47.0 | 1990.0 | 29 21 | -127 21 | 1452 |
| 0133 35.1 | .43 | 25.0 | 1880.0 | 29 14 | -126 58 | 1445 |
| 0133 45.7 | .57 | 32.0 | 1790.0 | 29 05 | -126 25 | 1434 |
| 0133 56.4 | .74 | 44.0 | 1900.0 | 28 55 | -125 51 | 1424 |
| 0134 03.5 | .44 | 27.0 | 1960.0 | 28 49 | -125 29 | 1417 |
| 0134 10.6 | .73 | 42.0 | 1850.0 | 28 42 | -125 07 | 1409 |
| 0134 31.8 | .39 | 26.0 | 2150.0 | 28 21 | -124 00 | 1388 |
| 0135 14.2 | .56 | 32.0 | 1830.0 | 27 37 | -121 47 | 1346 |

Local time base cor. 9.90 (cm/sec). Data begins 0132:23.8 U. T. Data ends 0135:14.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2070

Date 16 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2016 11.3 | .48 | 25.0 | 1680.0 | 26 16 | -125 04 | 2501 |
| 2016 16.1 | .24 | 15.0 | 2000.0 | 26 20 | -124 54 | 2500 |
| 2017 15.2 | .61 | 30.0 | 1590.0 | 27 10 | -122 39 | 2485 |
| 2017 48.7 | .47 | 20.0 | 1380.0 | 27 38 | -121 21 | 2476 |
| 2017 56.4 | .50 | 22.0 | 1410.0 | 27 44 | -121 03 | 2474 |
| 2018 47.3 | .72 | 34.0 | 1510.0 | 28 24 | -119 03 | 2457 |
| 2019 28.8 | .53 | 28.0 | 1690.0 | 28 55 | -117 23 | 2443 |
| 2019 43.5 | .49 | 22.0 | 1450.0 | 29 06 | -116 48 | 2437 |
| 2019 50.9 | .39 | 20.0 | 1640.0 | 29 11 | -116 30 | 2435 |
| 2020 25.4 | .35 | 19.0 | 1760.0 | 29 35 | -115 05 | 2421 |
| 2020 34.5 | .81 | 42.0 | 1670.0 | 29 42 | -114 43 | 2417 |
| 2021 08.6 | .36 | 18.0 | 1610.0 | 30 04 | -113 18 | 2403 |
| 2021 29.6 | .47 | 23.0 | 1580.0 | 30 17 | -112 26 | 2394 |
| 2021 37.3 | .30 | 13.0 | 1380.0 | 30 22 | -112 06 | 2391 |

Local time base cor. 9.90 (cm/sec). Data begins 2016:11.1 U. T. Data ends 2021:37.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2071

Date 16 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2220 59.4 | .41 | 26.0 | 2050.0 | 32 39 | -128 40 | 2246 |
| 2221 28.0 | .32 | 20.0 | 1990.0 | 32 47 | -127 20 | 2228 |
| 2221 42.0 | .26 | 16.0 | 1970.0 | 32 52 | -126 41 | 2219 |
| 2222 04.0 | .53 | 32.0 | 1920.0 | 32 58 | -125 40 | 2205 |
| 2222 31.2 | 1.41 | 84.0 | 1910.0 | 33 04 | -124 23 | 2186 |
| 2222 52.8 | 1.20 | 71.0 | 1900.0 | 33 08 | -123 21 | 2172 |
| 2223 00.3 | 1.21 | 73.0 | 1940.0 | 33 10 | -123 00 | 2167 |
| 2223 07.4 | 1.32 | 84.0 | 2040.0 | 33 11 | -122 40 | 2162 |
| 2223 14.3 | 1.43 | 85.0 | 1900.0 | 33 12 | -122 20 | 2157 |
| 2223 22.2 | .87 | 55.0 | 2030.0 | 33 13 | -121 57 | 2152 |
| 2223 29.3 | .79 | 48.0 | 1940.0 | 33 14 | -121 37 | 2147 |
| 2223 36.1 | 1.32 | 80.0 | 1940.0 | 33 15 | -121 18 | 2142 |
| 2223 50.5 | .61 | 38.0 | 1990.0 | 33 18 | -120 36 | 2132 |
| 2223 57.8 | 1.02 | 65.0 | 2050.0 | 33 19 | -120 15 | 2127 |
| 2224 05.2 | .92 | 57.0 | 1990.0 | 33 19 | -119 54 | 2121 |
| 2224 12.3 | 1.48 | 92.0 | 1990.0 | 33 20 | -119 33 | 2116 |
| 2224 32.5 | .80 | 48.0 | 1920.0 | 33 21 | -118 34 | 2101 |
| 2224 39.2 | .91 | 55.0 | 1940.0 | 33 22 | -118 15 | 2096 |
| 2224 53.3 | 2.32 | 142.0 | 1960.0 | 33 23 | -117 34 | 2086 |
| 2225 01.1 | 1.21 | 72.0 | 1900.0 | 33 23 | -117 11 | 2080 |
| 2225 15.7 | 1.00 | 62.0 | 1990.0 | 33 23 | -116 28 | 2069 |
| 2225 22.5 | 1.55 | 97.0 | 2000.0 | 33 23 | -116 08 | 2064 |
| 2226 09.7 | .75 | 47.0 | 2020.0 | 33 21 | -113 48 | 2027 |
| 2226 39.0 | .89 | 56.0 | 2020.0 | 33 18 | -112 21 | 2004 |
| 2227 48.9 | .39 | 26.0 | 2130.0 | 33 07 | -108 51 | 1947 |
| 2227 56.4 | .59 | 40.0 | 2170.0 | 33 06 | -108 29 | 1940 |
| 2228 02.8 | .28 | 19.0 | 2170.0 | 33 04 | -108 10 | 1935 |
| 2228 17.9 | .79 | 48.0 | 1960.0 | 33 00 | -107 24 | 1922 |

Local time base cor. 9.92 (cm/sec). Data begins 2220:59.2 U. T. Data ends 2228:18.3 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2075

Date 17 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2113 53.3 | .35 | 14.0 | 1270.0 | 31 31 | -124 45 | 2401 |
| 2114 00.3 | .53 | 20.0 | 1210.0 | 31 34 | -124 27 | 2398 |
| 2114 02.9 | .29 | 15.0 | 1660.0 | 31 35 | -124 20 | 2397 |
| 2114 06.7 | .59 | 23.0 | 1250.0 | 31 37 | -124 10 | 2395 |
| 2114 08.4 | .58 | 28.0 | 1560.0 | 31 38 | -124 06 | 2394 |
| 2114 14.8 | .40 | 16.0 | 1270.0 | 31 41 | -123 49 | 2391 |
| 2114 16.6 | .64 | 31.0 | 1560.0 | 31 41 | -123 45 | 2391 |
| 2114 24.0 | .35 | 18.0 | 1630.0 | 31 45 | -123 25 | 2387 |
| 2115 04.7 | .31 | 11.0 | 1140.0 | 32 03 | -121 38 | 2369 |
| 2115 28.0 | .42 | 20.0 | 1530.0 | 32 12 | -120 36 | 2357 |
| 2115 31.9 | .38 | 19.0 | 1630.0 | 32 14 | -120 26 | 2355 |
| 2115 33.4 | .45 | 17.0 | 1200.0 | 32 14 | -120 21 | 2355 |
| 2115 35.4 | .72 | 36.0 | 1590.0 | 32 15 | -120 17 | 2354 |
| 2115 40.5 | .87 | 32.0 | 1170.0 | 32 17 | -120 03 | 2351 |
| 2115 42.6 | .78 | 38.0 | 1560.0 | 32 18 | -119 57 | 2350 |
| 2115 47.3 | .46 | 18.0 | 1250.0 | 32 20 | -119 45 | 2348 |
| 2115 49.5 | .89 | 41.0 | 1470.0 | 32 21 | -119 39 | 2347 |
| 2115 54.8 | .67 | 24.0 | 1160.0 | 32 23 | -119 25 | 2344 |
| 2115 56.5 | .90 | 42.0 | 1500.0 | 32 24 | -119 20 | 2343 |
| 2116 00.0 | .41 | 22.0 | 1500.0 | 32 25 | -119 11 | 2342 |
| 2116 01.8 | 1.14 | 41.0 | 1150.0 | 32 26 | -119 06 | 2341 |
| 2116 04.8 | 1.04 | 53.0 | 1620.0 | 32 27 | -118 58 | 2339 |
| 2116 09.4 | .93 | 33.0 | 1140.0 | 32 28 | -118 46 | 2337 |
| 2116 15.9 | .83 | 31.0 | 1200.0 | 32 30 | -118 28 | 2333 |
| 2116 18.4 | .74 | 38.0 | 1650.0 | 32 31 | -118 21 | 2332 |
| 2116 30.4 | 1.08 | 40.0 | 1190.0 | 32 35 | -117 49 | 2326 |
| 2116 32.2 | .65 | 29.0 | 1430.0 | 32 36 | -117 44 | 2325 |
| 2116 37.6 | .45 | 16.0 | 1130.0 | 32 38 | -117 29 | 2322 |

Local time base cor. 9.92 (cm/sec). Data begins 2113:53.1 U. T. Data ends 2119:51.3 U. T.

Remarks Rate tumble modulated. Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2075

Date 17 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2116 44.7 | .52 | 18.0 | 1110.0 | 32 40 | -117 10 | 2318 |
| 2116 46.2 | .64 | 27.0 | 1350.0 | 32 40 | -117 06 | 2317 |
| 2116 51.8 | .76 | 27.0 | 1140.0 | 32 42 | -116 51 | 2314 |
| 2116 52.5 | .77 | 34.0 | 1410.0 | 32 42 | -116 49 | 2314 |
| 2117 00.6 | .54 | 23.0 | 1360.0 | 32 45 | -116 27 | 2309 |
| 2117 05.8 | .45 | 17.0 | 1220.0 | 32 47 | -116 13 | 2307 |
| 2117 07.5 | .55 | 25.0 | 1470.0 | 32 47 | -116 08 | 2306 |
| 2117 14.9 | 1.37 | 57.0 | 1330.0 | 32 49 | -115 48 | 2302 |
| 2117 20.4 | .68 | 24.0 | 1140.0 | 32 50 | -115 33 | 2299 |
| 2117 22.4 | .61 | 27.0 | 1420.0 | 32 51 | -115 28 | 2297 |
| 2117 27.3 | .63 | 23.0 | 1170.0 | 32 52 | -115 14 | 2295 |
| 2117 29.4 | .70 | 31.0 | 1420.0 | 32 53 | -115 09 | 2293 |
| 2117 36.6 | 1.38 | 62.0 | 1440.0 | 32 55 | -114 49 | 2289 |
| 2117 42.6 | 2.73 | 109.0 | 1270.0 | 32 56 | -114 33 | 2286 |
| 2117 49.0 | 1.66 | 60.0 | 1140.0 | 32 58 | -114 15 | 2282 |
| 2117 56.5 | .91 | 29.0 | 1020.0 | 33 00 | -113 55 | 2278 |
| 2118 03.4 | .82 | 27.0 | 1040.0 | 33 01 | -113 36 | 2274 |
| 2118 10.4 | 1.15 | 39.0 | 1080.0 | 33 03 | -113 16 | 2270 |
| 2118 17.7 | 1.13 | 38.0 | 1080.0 | 33 05 | -112 56 | 2266 |
| 2118 25.4 | .59 | 21.0 | 1140.0 | 33 06 | -112 34 | 2261 |
| 2118 32.7 | 1.14 | 41.0 | 1150.0 | 33 08 | -112 14 | 2257 |
| 2118 39.9 | 1.29 | 46.0 | 1140.0 | 33 09 | -111 54 | 2252 |
| 2118 47.5 | 1.50 | 59.0 | 1260.0 | 33 11 | -111 33 | 2248 |
| 2118 54.4 | 1.32 | 51.0 | 1240.0 | 33 12 | -111 14 | 2244 |
| 2119 09.1 | .85 | 38.0 | 1430.0 | 33 14 | -110 32 | 2234 |
| 2119 14.3 | .72 | 26.0 | 1150.0 | 33 15 | -110 17 | 2231 |
| 2119 36.4 | .80 | 28.0 | 1120.0 | 33 17 | -109 15 | 2217 |
| 2119 42.4 | .66 | 23.0 | 1120.0 | 33 18 | -108 58 | 2213 |

Local time base cor. 9.92 (cm/sec). Data begins 2113:53.1 U. T. Data ends 2119:51.3 U. T.

Remarks Rate tumble modulated. Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2075

Date 17 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2119 50.8 | 1.00 | 36.0 | 1150.0 | 33 19 | -108 34 | 2208 |

Local time base cor. 9.92 (cm/sec). Data begins 2113:53.1 U. T. Data ends 2119:51.3 U. T.

Remarks Rate tumble modulated. Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2076

Date 17 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2317 41.7 | .20 | 13.0 | 2080.0 | 33 13 | -128 23 | 2081 |
| 2317 49.2 | .31 | 19.0 | 1950.0 | 33 12 | -128 02 | 2076 |
| 2318 15.4 | .88 | 49.0 | 1780.0 | 33 07 | -126 45 | 2056 |
| 2318 22.3 | .31 | 17.0 | 1750.0 | 33 05 | -126 25 | 2050 |
| 2318 31.7 | .76 | 46.0 | 1940.0 | 33 03 | -125 57 | 2043 |
| 2318 36.7 | .87 | 48.0 | 1780.0 | 33 02 | -125 42 | 2039 |
| 2318 44.2 | .27 | 12.0 | 1790.0 | 33 00 | -125 20 | 2033 |
| 2318 46.0 | .48 | 29.0 | 1930.0 | 33 00 | -125 15 | 2032 |
| 2318 53.0 | .88 | 55.0 | 2000.0 | 32 59 | -124 55 | 2027 |
| 2319 00.2 | .93 | 55.0 | 1900.0 | 32 57 | -124 33 | 2021 |
| 2319 07.2 | .98 | 57.0 | 1870.0 | 32 55 | -124 13 | 2015 |
| 2319 12.4 | 1.22 | 70.0 | 1840.0 | 32 53 | -123 57 | 2011 |
| 2319 19.9 | 1.11 | 62.0 | 1790.0 | 32 51 | -123 35 | 2005 |
| 2319 27.0 | 1.12 | 61.0 | 1750.0 | 32 48 | -123 14 | 2000 |
| 2319 28.9 | .89 | 58.0 | 2100.0 | 32 48 | -123 09 | 1998 |
| 2319 34.0 | .93 | 55.0 | 1890.0 | 32 46 | -122 54 | 1994 |
| 2319 35.9 | .92 | 60.0 | 2090.0 | 32 46 | -122 48 | 1992 |
| 2319 41.2 | 1.40 | 80.0 | 1840.0 | 32 44 | -122 32 | 1988 |
| 2319 42.9 | .98 | 65.0 | 2130.0 | 32 43 | -122 27 | 1987 |
| 2319 48.4 | 1.10 | 63.0 | 1830.0 | 32 42 | -122 11 | 1982 |
| 2319 50.2 | .56 | 36.0 | 2080.0 | 32 41 | -122 06 | 1981 |
| 2319 55.3 | 1.21 | 72.0 | 1900.0 | 32 39 | -121 51 | 1977 |
| 2319 57.2 | 1.21 | 74.0 | 1960.0 | 32 39 | -121 45 | 1975 |
| 2320 02.5 | 1.53 | 93.0 | 1950.0 | 32 37 | -121 30 | 1971 |
| 2320 04.5 | .87 | 56.0 | 2070.0 | 32 36 | -121 24 | 1969 |
| 2320 10.5 | 2.57 | 157.0 | 1950.0 | 32 34 | -121 06 | 1964 |
| 2320 16.6 | .71 | 43.0 | 1940.0 | 32 31 | -120 48 | 1959 |
| 2320 18.4 | 1.44 | 90.0 | 2000.0 | 32 31 | -120 42 | 1958 |

Local time base cor. 9.88 (cm/sec). Data begins 2317:41.6 U. T. Data ends 2323:19.3 U. T.

Remarks Tumbled modulated from 2319:27.0 to 2319:50.2. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2076

Date 17 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2320 24.7 | 3.02 | 187.0 | 1980.0 | 32 28 | -120 34 | 1953 |
| 2320 30.0 | 1.18 | 69.0 | 1870.0 | 32 26 | -120 08 | 1949 |
| 2320 33.0 | 1.04 | 69.0 | 2120.0 | 32 25 | -119 59 | 1946 |
| 2320 39.1 | 2.62 | 163.0 | 1990.0 | 32 22 | -119 41 | 1941 |
| 2320 45.4 | 1.21 | 74.0 | 1960.0 | 32 20 | -119 22 | 1935 |
| 2320 49.2 | 1.14 | 71.0 | 1990.0 | 32 18 | -119 11 | 1932 |
| 2320 52.9 | 1.94 | 121.0 | 2000.0 | 32 17 | -119 00 | 1929 |
| 2320 54.8 | .76 | 49.0 | 2060.0 | 32 16 | -118 56 | 1928 |
| 2320 56.8 | 1.00 | 57.0 | 1830.0 | 32 15 | -118 50 | 1926 |
| 2321 00.4 | 3.01 | 189.0 | 2010.0 | 32 14 | -118 38 | 1923 |
| 2321 07.7 | 2.58 | 165.0 | 2080.0 | 32 10 | -118 16 | 1917 |
| 2321 14.6 | 2.09 | 139.0 | 1970.0 | 32 07 | -117 56 | 1911 |
| 2321 21.8 | 2.47 | 145.0 | 1880.0 | 32 03 | -117 34 | 1905 |
| 2321 28.9 | 2.89 | 176.0 | 1950.0 | 32 00 | -117 13 | 1898 |
| 2321 36.3 | 3.23 | 205.0 | 2070.0 | 31 56 | -116 51 | 1892 |
| 2321 43.2 | 2.60 | 162.0 | 1990.0 | 31 53 | -116 31 | 1886 |
| 2321 50.3 | 3.21 | 204.0 | 2030.0 | 31 50 | -116 10 | 1880 |
| 2321 57.4 | 2.33 | 159.0 | 2120.0 | 31 46 | -115 49 | 1874 |
| 2322 04.5 | 3.05 | 201.0 | 2110.0 | 31 42 | -115 28 | 1868 |
| 2322 11.6 | 2.09 | 135.0 | 2120.0 | 31 38 | -115 08 | 1867 |
| 2322 28.8 | 1.95 | 122.0 | 2000.0 | 31 29 | -114 13 | 1846 |
| 2322 36.4 | 1.68 | 111.0 | 2110.0 | 31 24 | -113 52 | 1840 |
| 2322 43.2 | 2.36 | 151.0 | 2050.0 | 31 21 | -113 32 | 1834 |
| 2322 50.2 | 2.44 | 152.0 | 1990.0 | 31 17 | -113 11 | 1828 |
| 2322 57.6 | 1.91 | 119.0 | 1990.0 | 31 12 | -112 49 | 1821 |
| 2323 04.5 | 2.23 | 144.0 | 2070.0 | 31 08 | -112 28 | 1815 |
| 2323 18.9 | .94 | 62.0 | 2110.0 | 30 58 | -111 46 | 1802 |
| | | | | | | |

Local time base cor. 9.88 (cm/sec). Data begins 2317:41.6 U. T. Data ends 2323:19.3 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2077

Date 18 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0121 33.2 | .33 | 21.0 | 2040.0 | 29 05 | -130 13 | [illegible] |
| 0121 35.5 | .27 | 17.0 | 1990.0 | [illegible] 03 | -130 06 | [illegible] |
| 0122 03.7 | .31 | 22.0 | 2250.0 | 27 36 | -128 43 | [illegible] |
| 0122 17.8 | .36 | [illegible] | 2120.0 | 27 21 | -122 02 | [illegible] |
| 0122 24.9 | .22 | 15.0 | 2180.0 | 27 14 | -127 41 | [illegible] |
| 0122 46.8 | .20 | 14.0 | 2270.0 | 26 52 | -126 40 | [illegible] |
| 0122 46.1 | .21 | 13.0 | 2000.0 | 26 52 | -126 39 | [illegible] |
| 0123 00.5 | .29 | 19.0 | 2100.0 | 26 36 | -125 57 | [illegible] |
| 0123 18.2 | .47 | 29.0 | 1970.0 | 26 16 | -125 05 | [illegible] |
| 0123 31.7 | .28 | 19.0 | 2200.0 | 26 01 | -124 25 | [illegible] |
| 0123 35.6 | .43 | 23.0 | 2080.0 | 25 57 | -124 [illegible] | [illegible] |
| 0123 42.5 | .66 | 43.0 | 2100.0 | 25 49 | -123 53 | 1484 |
| 0123 56.4 | .63 | 41.0 | 2090.0 | 25 33 | -123 13 | 1476 |
| 0124 24.2 | .42 | 28.0 | 2140.0 | 25 00 | -121 [illegible] | 1443 |
| 0124 31.4 | .33 | 20.0 | 1790.0 | 24 51 | -121 [illegible] | 1435 |

Local time base cor. 9.92 (cm/sec). Data begins 0121:33.4 U. T. Data ends 0124:31.6 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2079

Date 18 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2003 58.8 | .35 | 11.0 | 1000.0 | 28 07 | -126 07 | 2529 |
| 2004 05.6 | .65 | 18.0 | 890.0 | 28 12 | -126 22 | 2527 |
| 2004 20.8 | .80 | 24.0 | 957.0 | 28 24 | -125 40 | 2525 |
| 2004 50.0 | .31 | 13.0 | 1320.0 | 28 46 | -124 37 | 2521 |
| 2004 56.9 | .39 | 17.0 | 1390.0 | 28 51 | -124 20 | 2520 |
| 2005 03.8 | .56 | 21.0 | 1210.0 | 28 56 | -124 04 | 2519 |
| 2005 11.4 | .49 | 18.0 | 1170.0 | 29 01 | -123 46 | 2516 |
| 2005 18.0 | .63 | 22.0 | 1120.0 | 29 06 | -123 33 | 2517 |
| 2005 25.1 | .76 | 24.0 | 1430.0 | 29 11 | -123 13 | 2515 |
| 2005 31.3 | .33 | 12.0 | 1160.0 | 29 15 | -122 58 | 2514 |
| 2005 38.9 | .82 | 25.0 | 971.0 | 29 20 | -122 40 | 2513 |
| 2005 45.5 | .43 | 16.0 | 1180.0 | 29 25 | -122 25 | 2512 |
| 2005 52.7 | .44 | 17.0 | 1230.0 | 29 30 | -122 07 | 2511 |
| 2005 59.7 | .43 | 15.0 | 1120.0 | 29 35 | -121 51 | 2509 |
| 2006 08.8 | .26 | 11.0 | 1350.0 | 29 41 | -121 29 | 2508 |
| 2006 15.5 | .18 | 8.0 | 1410.0 | 29 45 | -121 12 | 2506 |
| 2006 23.3 | .44 | 17.0 | 1230.0 | 29 50 | -120 57 | 2504 |
| 2006 30.1 | .52 | 20.0 | 1240.0 | 29 54 | -120 37 | 2503 |
| 2006 36.6 | .33 | 11.0 | 1170.0 | 29 58 | -120 21 | 2502 |
| 2006 44.0 | .42 | 17.0 | 1300.0 | 30 03 | -120 03 | 2500 |
| 2006 51.7 | .62 | 23.0 | 1200.0 | 30 08 | -119 44 | 2498 |
| 2006 58.4 | .45 | 17.0 | 1200.0 | 30 12 | -119 28 | 2497 |
| 2007 12.3 | .55 | 18.0 | 1050.0 | 30 20 | -119 14 | 2494 |
| 2007 25.8 | .69 | 21.0 | 982.0 | 30 28 | -118 20 | 2490 |
| 2007 26.7 | .54 | 20.0 | 1190.0 | 30 29 | -118 18 | 2490 |
| 2007 46.8 | .70 | 21.0 | 956.0 | 30 41 | -117 29 | 2486 |
| 2007 54.0 | .74 | 21.0 | 905.0 | 30 45 | -117 11 | 2483 |
| 2008 03.1 | .95 | 33.0 | 1110.0 | 30 51 | -116 58 | 2480 |

Local time base cor. 9.92 (cm/sec). Data begins 2003:58.6 U. T. Data ends 2010:12.2 U. T.

Remarks Data questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2079

Date 18 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2008 07.3 | .95 | 28.0 | 881.0 | 30 53 | -116 38 | 2479 |
| 2008 09.9 | .40 | 13.0 | 1040.0 | 30 54 | -116 30 | 2477 |
| 2008 17.8 | .50 | 17.0 | 1070.0 | 30 58 | -116 11 | 2476 |
| 2008 30.0 | 1.01 | 27.0 | 860.0 | 31 05 | -115 41 | 2473 |
| 2008 31.7 | .75 | 28.0 | 1140.0 | 31 06 | -115 36 | 2472 |
| 2008 38.8 | .54 | 15.0 | 1090.0 | 31 10 | -115 18 | 2470 |
| 2008 45.7 | .68 | 30.0 | 1100.0 | 31 13 | -115 01 | 2468 |
| 2008 53.1 | .75 | 25.0 | 1170.0 | 31 17 | -114 42 | 2466 |
| 2009 00.5 | .83 | 28.0 | 1080.0 | 31 21 | -114 24 | 2463 |
| 2009 07.4 | .44 | 15.0 | 1090.0 | 31 25 | -114 06 | 2461 |
| 2009 41.6 | .54 | 14.0 | 827.0 | 31 41 | -112 39 | 2450 |
| 2009 43.3 | .43 | 15.0 | 1130.0 | 31 42 | -112 35 | 2449 |
| 2009 48.3 | .55 | 16.0 | 932.0 | 31 44 | -112 22 | 2447 |
| 2010 11.9 | .47 | 17.0 | 1160.0 | 31 55 | -111 31 | 2439 |

Local time base cor. 9.92 (cm/sec). Data begins 2003:58.6 U. T. Data ends 2010:12.2 U. T.

Remarks Data questionable. Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2080

Date 18 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2210 24.9 | .42 | 16.0 | 1230.0 | 33 20 | -125 22 | 2287 |
| 2210 46.1 | .47 | 15.0 | 1230.0 | 33 21 | -124 23 | 2278 |
| 2210 48.3 | .62 | 30.0 | 1550.0 | 33 22 | -124 17 | 2274 |
| 2210 55.5 | .93 | 46.0 | 1590.0 | 33 22 | -123 57 | 2269 |
| 2211 02.5 | .73 | 33.0 | 1530.0 | 33 22 | -123 38 | 2265 |
| 2211 07.7 | .75 | 29.0 | 1190.0 | 33 22 | -123 22 | 2263 |
| 2211 09.6 | .62 | 28.0 | 1450.0 | 33 22 | -123 18 | 2261 |
| 2211 17.0 | 1.06 | 53.0 | 1610.0 | 33 22 | -122 57 | 2256 |
| 2211 24.1 | .88 | 43.0 | 1560.0 | 33 22 | -122 37 | 2252 |
| 2211 38.2 | 1.17 | 58.0 | 1590.0 | 33 21 | -121 57 | 2243 |
| 2211 45.2 | 1.17 | 58.0 | 1590.0 | 33 21 | -121 38 | 2239 |
| 2211 52.4 | .75 | 35.0 | 1490.0 | 33 21 | -121 17 | 2235 |
| 2212 00.0 | .56 | 27.0 | 1540.0 | 33 21 | -120 56 | 2230 |
| 2212 06.9 | .62 | 31.0 | 1610.0 | 33 20 | -120 36 | 2226 |
| 2212 13.8 | .62 | 28.0 | 1450.0 | 33 20 | -120 17 | 2221 |
| 2212 21.0 | 1.02 | 47.0 | 1470.0 | 33 19 | -119 56 | 2217 |
| 2212 26.6 | .29 | 10.0 | 1100.0 | 33 18 | -119 41 | 2213 |
| 2212 31.6 | .39 | 25.0 | 1310.0 | 33 18 | -119 26 | 2210 |
| 2212 35.5 | .28 | 10.0 | 1100.0 | 33 19 | -119 21 | 2207 |
| 2212 42.6 | .86 | 42.0 | 1640.0 | 33 17 | -118 55 | 2203 |
| 2212 47.9 | .50 | 20.0 | 1280.0 | 33 16 | -118 40 | 2199 |
| 2212 57.0 | .59 | 35.0 | 1630.0 | 33 15 | -118 14 | 2193 |
| 2213 00.4 | .45 | 22.0 | 1570.0 | 33 15 | -118 05 | 2191 |
| 2213 04.0 | .70 | 32.0 | 1460.0 | 33 14 | -117 55 | 2188 |
| 2213 11.2 | .58 | 45.0 | 1580.0 | 33 13 | -117 36 | 2184 |
| 2213 16.4 | .50 | 27.0 | 1170.0 | 33 12 | -117 19 | 2181 |
| 2213 18.6 | .58 | 50.0 | 1630.0 | 33 12 | -117 13 | 2179 |
| 2213 23.2 | .80 | 40.0 | 1600.0 | 33 11 | -116 59 | 2176 |

Local time base cor. 9.90 (cm/sec). Data begins 2210:24.7 U. T. Data ends 2216:58.5 U. T.

Remarks Rate tumble modulated. Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2080

Date 18 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2213 30.7 | .83 | 29.0 | 1120.0 | 33 10 | -116 39 | [illegible] |
| 2213 32.7 | .86 | 42.0 | 1560.0 | 33 10 | -116 32 | [illegible] |
| 2213 37.9 | 1.01 | 39.0 | 1240.0 | 33 09 | -116 18 | [illegible] |
| 2213 43.3 | .41 | 20.0 | 1550.0 | 33 08 | -116 03 | [illegible] |
| 2213 45.0 | .73 | 26.0 | 1140.0 | 33 07 | -115 56 | [illegible] |
| 2213 47.0 | .53 | 27.0 | 1620.0 | 33 07 | -115 52 | [illegible] |
| 2213 52.2 | 1.03 | 39.0 | 1210.0 | 33 06 | -115 37 | [illegible] |
| 2213 54.2 | .80 | 38.0 | 1530.0 | 33 06 | -115 32 | [illegible] |
| 2213 57.6 | .59 | 28.0 | 1530.0 | 33 05 | -115 22 | [illegible] |
| 2213 59.2 | .99 | 36.0 | 1160.0 | 33 05 | -115 17 | [illegible] |
| 2214 01.3 | .94 | 43.0 | 1470.0 | 33 05 | -115 11 | [illegible] |
| 2214 08.4 | .78 | 37.0 | 1520.0 | 33 03 | -114 51 | [illegible] |
| 2214 13.5 | .71 | 27.0 | 1220.0 | 33 02 | -114 36 | [illegible] |
| 2214 15.5 | .41 | 19.0 | 1500.0 | 33 01 | -114 31 | [illegible] |
| 2214 20.7 | .79 | 30.0 | 1220.0 | 33 00 | -114 16 | [illegible] |
| 2214 22.9 | 1.12 | 55.0 | 1580.0 | 32 59 | -114 09 | [illegible] |
| 2214 28.1 | .56 | 21.0 | 1200.0 | 32 58 | -112 54 | [illegible] |
| 2214 29.7 | .84 | 41.0 | 1560.0 | 32 58 | -113 50 | [illegible] |
| 2214 33.6 | .36 | 17.0 | 1530.0 | 32 57 | -113 39 | [illegible] |
| 2214 34.9 | .86 | 34.0 | 1270.0 | 32 56 | -113 35 | [illegible] |
| 2214 37.0 | .57 | 28.0 | 1570.0 | 32 56 | -113 29 | [illegible] |
| 2214 42.0 | .63 | 25.0 | 1380.0 | 32 55 | -113 [illegible] | [illegible] |
| 2214 44.3 | .70 | 34.0 | 1550.0 | 32 54 | -113 [illegible] | [illegible] |
| 2214 49.4 | .59 | 23.0 | 1250.0 | 32 53 | -112 [illegible] | [illegible] |
| 2214 51.3 | .58 | 35.0 | 1650.0 | 32 52 | -112 [illegible] | [illegible] |
| 2214 56.6 | .85 | [illegible] | 1250.0 | 32 51 | -112 [illegible] | [illegible] |
| 2214 58.5 | .75 | 37.0 | 1590.0 | 32 50 | -112 [illegible] | [illegible] |
| 2215 03.3 | .73 | 25.0 | 1240.0 | 32 49 | -112 [illegible] | [illegible] |

Local time base cor. 9.90 (cm/sec). Data begins 2210:24.7 U. T. Data ends 2216:58.5 U. T.

Remarks Rate tumble modulated. Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2080

Date 18 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2215 06.0 | .81 | 41.0 | 1630.0 | 32 48 | -116 [illegible] | [illegible] |
| 2215 08.9 | .78 | 39.0 | 1610.0 | 32 47 | -111 [illegible] | [illegible] |
| 2215 10.9 | .73 | 29.0 | 1270.0 | 32 46 | -111 52 | [illegible] |
| 2215 12.8 | .71 | 35.0 | 1590.0 | 32 46 | -111 [illegible] | [illegible] |
| 2215 18.0 | .73 | 29.0 | 1270.0 | 32 44 | -111 31 | [illegible] |
| 2215 20.0 | .66 | 24.0 | 1650.0 | 32 43 | -111 25 | [illegible] |
| 2215 25.4 | .76 | 29.0 | 1690.0 | 32 42 | -111 [illegible] | [illegible] |
| 2215 27.0 | .80 | 40.0 | 1600.0 | 32 41 | -111 [illegible] | [illegible] |
| 2215 32.0 | .76 | 30.0 | 1260.0 | 32 39 | -110 51 | [illegible] |
| 2215 34.2 | .65 | 31.0 | 1530.0 | 32 39 | -110 [illegible] | [illegible] |
| 2215 37.8 | .20 | 15.0 | 1600.0 | 32 37 | -110 [illegible] | [illegible] |
| 2215 39.2 | .67 | 28.0 | 1340.0 | 32 37 | -110 [illegible] | [illegible] |
| 2215 41.1 | .61 | 29.0 | 1530.0 | 32 36 | -110 [illegible] | [illegible] |
| 2215 46.4 | .56 | 22.0 | 1260.0 | 32 35 | -110 [illegible] | [illegible] |
| 2215 53.8 | .40 | 15.0 | 1200.0 | 32 32 | -109 [illegible] | [illegible] |
| 2215 56.0 | .36 | 20.0 | 1780.0 | 32 31 | -109 [illegible] | [illegible] |
| 2215 59.1 | .34 | 15.0 | 1400.0 | 32 30 | -109 [illegible] | [illegible] |
| 2216 00.7 | .54 | 21.0 | 1240.0 | 32 30 | -109 [illegible] | [illegible] |
| 2216 08.1 | .67 | 25.0 | 1200.0 | 32 27 | -109 [illegible] | [illegible] |
| 2216 10.0 | .56 | 29.0 | 1660.0 | 32 26 | -109 [illegible] | [illegible] |
| 2216 15.1 | .51 | 20.0 | 1260.0 | 32 24 | -108 [illegible] | [illegible] |
| 2216 17.5 | .70 | 36.0 | 1650.0 | 32 23 | -108 [illegible] | [illegible] |
| 2216 22.5 | .49 | 19.0 | 1250.0 | 32 21 | -108 [illegible] | [illegible] |
| 2216 58.2 | .47 | 19.0 | 1300.0 | 32 06 | -106 [illegible] | [illegible] |

Local time base cor. 9.90 (cm/sec). Data begins 2210:24.7 U. T. Data ends 2216:58.5 U. T.

Remarks Rate tumble modulated. Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2081

Date 19 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0024 21.8 | .38 | 24.0 | 2040.0 | 19 35 | - 99 [illegible] | [illegible] |
| 0024 29.0 | .31 | 19.0 | 1950.0 | 19 25 | - 99 [illegible] | [illegible] |
| 0024 36.0 | .34 | 20.0 | 1880.0 | 19 14 | - 98 [illegible] | 1324 |
| 0024 38.1 | .27 | 18.0 | 2140.0 | 19 11 | - 98 47 | 1321 |
| 0024 43.2 | .51 | 33.0 | 2060.0 | 19 03 | - 98 [illegible] | 1296 |
| 0024 57.4 | .81 | 52.0 | 2050.0 | 18 42 | - 97 53 | 1282 |
| 0025 04.5 | .35 | 21.0 | 1930.0 | 18 31 | - 97 34 | [illegible] |
| 0025 12.2 | .21 | 13.0 | 1950.0 | 18 19 | - 97 [illegible] | 1277 |
| 0025 24.5 | .26 | 18.0 | 2190.0 | 17 59 | - 96 [illegible] | [illegible] |
| 0025 25.8 | .30 | 20.0 | 2170.0 | 17 57 | - 96 [illegible] | [illegible] |
| 0025 40.5 | .37 | 22.0 | 1910.0 | 17 34 | - 95 [illegible] | [illegible] |
| 0025 42.2 | .30 | 20.0 | 2110.0 | 17 31 | - 95 50 | 1227 |
| 0026 36.7 | .22 | 15.0 | 2170.0 | 16 03 | - 93 [illegible] | 1182 |
| 0026 47.0 | .26 | 16.0 | 1950.0 | 15 46 | - 92 51 | 1172 |
| 0027 15.2 | .26 | 18.0 | 2180.0 | 14 59 | - 91 [illegible] | 1141 |
| 0027 20.2 | .34 | 23.0 | 2180.0 | 14 50 | - 91 [illegible] | 1137 |
| 0027 20.7 | .43 | 28.0 | 2080.0 | 14 49 | - 91 18 | 1135 |
| 0027 29.8 | .37 | 25.0 | 2170.0 | 14 34 | - 90 [illegible] | 1130 |
| 0027 34.9 | .28 | 17.0 | 1960.0 | 14 25 | - 90 38 | 1125 |
| 0027 36.8 | .53 | 31.0 | 1860.0 | 14 22 | - 90 33 | 1123 |
| 0027 42.0 | .19 | 12.0 | 2040.0 | 14 13 | - 90 19 | 1117 |
| 0027 44.0 | .42 | 28.0 | 2160.0 | 14 09 | - 90 13 | 1115 |
| 0027 56.1 | .19 | 12.0 | 2040.0 | 13 49 | - 89 40 | 1103 |
| 0028 01.5 | .34 | 21.0 | 1970.0 | 13 39 | - 89 25 | 1098 |
| 0028 10.5 | .20 | 13.0 | 2100.0 | 13 23 | - 89 00 | 1089 |
| 0028 12.7 | .43 | 29.0 | 2130.0 | 13 20 | - 88 54 | 1087 |
| 0028 19.0 | .44 | 27.0 | 1960.0 | 13 07 | - 88 34 | 1080 |
| | | | | | | |

Local time base cor. 9.92 (cm/sec). Data begins 0024:21.6 U. T. Data ends 0028:20.0 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2083

Date 19 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2102 32.5 | .74 | 29.0 | 1260.0 | 32 46 | -123 01 | 2446 |
| 2102 54.2 | 1.23 | 50.0 | 1310.0 | 32 52 | -122 04 | 2438 |
| 2103 01.1 | .59 | 24.0 | 1300.0 | 32 54 | -121 46 | 2436 |
| 2103 08.0 | .55 | 22.0 | 1280.0 | 32 56 | -121 28 | 2433 |
| 2103 22.3 | .54 | 22.0 | 1300.0 | 32 59 | -120 50 | 2427 |
| 2103 29.0 | 1.56 | 60.0 | 1230.0 | 33 00 | -120 32 | 2425 |
| 2103 36.7 | 1.25 | 52.0 | 1340.0 | 33 02 | -120 13 | 2422 |
| 2103 50.7 | .65 | 29.0 | 1440.0 | 33 05 | -119 35 | 2416 |
| 2103 59.5 | .89 | 48.0 | 1720.0 | 33 07 | -119 11 | 2413 |
| 2104 06.3 | .47 | 23.0 | 1570.0 | 33 08 | -118 53 | 2410 |
| 2104 13.6 | .48 | 24.0 | 1610.0 | 33 09 | -118 33 | 2407 |
| 2104 20.3 | 1.16 | 56.0 | 1550.0 | 33 10 | -118 15 | 2404 |
| 2104 27.5 | .77 | 39.0 | 1620.0 | 33 11 | -117 56 | 2401 |
| 2104 34.9 | .99 | 48.0 | 1550.0 | 33 12 | -117 36 | 2398 |
| 2104 41.9 | 1.04 | 53.0 | 1630.0 | 33 13 | -117 17 | 2395 |
| 2104 49.2 | .62 | 32.0 | 1650.0 | 33 14 | -116 57 | 2392 |
| 2105 02.7 | 1.25 | 61.0 | 1560.0 | 33 16 | -116 21 | 2386 |
| 2105 10.2 | .88 | 43.0 | 1570.0 | 33 17 | -116 00 | 2382 |
| 2105 18.0 | .95 | 50.0 | 1680.0 | 33 17 | -115 39 | 2378 |
| 2105 24.3 | 1.24 | 50.0 | 1550.0 | 33 18 | -115 22 | 2375 |
| 2105 31.6 | 1.25 | 63.0 | 1620.0 | 33 19 | -115 02 | 2372 |
| 2105 39.1 | 2.61 | 132.0 | 1620.0 | 33 19 | -114 42 | 2369 |
| 2105 52.7 | 1.32 | 68.0 | 1650.0 | 33 20 | -114 05 | 2362 |
| 2106 00.0 | .79 | 37.0 | 1510.0 | 33 21 | -113 46 | 2359 |
| 2106 06.9 | 1.21 | 58.0 | 1540.0 | 33 21 | -113 26 | 2355 |
| 2106 08.6 | .51 | 29.0 | 1810.0 | 33 21 | -113 21 | 2354 |
| 2106 14.1 | 1.19 | 59.0 | 1590.0 | 33 21 | -113 06 | 2352 |
| 2106 20.9 | 1.09 | 59.0 | 1730.0 | 33 21 | -112 48 | 2348 |

Local time base cor. 9.95 (cm/sec). Data begins 2102:32.1 U. T. Data ends 2107:48.9 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2083

Date 19 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2106 22.7 | 1.03 | 60.0 | 1870.0 | 33 21 | -112 43 | 2367 |
| 2106 28.6 | .73 | 39.0 | 1710.0 | 33 21 | -112 36 | 2344 |
| 2106 37.4 | 1.01 | 60.0 | 1910.0 | 33 22 | -112 02 | 2360 |
| 2106 42.4 | 1.01 | 54.0 | 1720.0 | 33 22 | -111 [illegible] | 2357 |
| 2106 44.5 | 1.21 | 69.0 | 1930.0 | 33 22 | -111 42 | 2336 |
| 2106 51.5 | 1.38 | 80.0 | 1860.0 | 33 22 | -111 23 | [illegible] |
| 2106 58.4 | .66 | 39.0 | 1890.0 | 33 22 | -111 04 | [illegible] |
| 2107 01.8 | .99 | 57.0 | 1840.0 | 33 22 | -110 55 | 2327 |
| 2107 05.8 | .93 | 55.0 | 1900.0 | 33 22 | -110 [illegible] | [illegible] |
| 2107 12.9 | .59 | 37.0 | 2010.0 | 33 21 | -110 25 | 2321 |
| 2107 20.3 | .66 | 40.0 | 1940.0 | 33 21 | -110 04 | 2317 |
| 2107 26.8 | 1.03 | 56.0 | 1750.0 | 33 21 | -109 [illegible] | 2314 |
| 2107 34.5 | 1.18 | 74.0 | 2010.0 | 33 20 | -109 [illegible] | 2309 |
| 2107 48.9 | .75 | 40.0 | 1720.0 | 33 20 | -108 [illegible] | 2302 |

Local time base cor. 9.95 (cm/sec). Data begins 2102:32.1 U. T. Data ends 2107:48.9 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2084

Date 19 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2307 00.4 | .33 | 19.0 | 1870.0 | 32 09 | -125 03 | 2135 |
| 2307 24.1 | .27 | 15.0 | 1810.0 | 31 58 | -123 57 | 2118 |
| 2307 36.5 | .37 | 20.0 | 1740.0 | 31 52 | -123 22 | 2109 |
| 2307 45.4 | .49 | 27.0 | 1690.0 | 31 48 | -122 57 | 2102 |
| 2307 59.8 | .44 | 27.0 | 1900.0 | 31 41 | -122 17 | 2092 |
| 2308 14.4 | .37 | 23.0 | 2040.0 | 31 33 | -121 36 | 2081 |
| 2308 21.0 | .41 | 22.0 | 1730.0 | 31 29 | -121 17 | 2076 |
| 2308 28.2 | .44 | 25.0 | 1840.0 | 31 25 | -120 57 | 2070 |
| 2308 28.8 | .31 | 18.0 | 1870.0 | 31 25 | -120 55 | 2070 |
| 2308 35.6 | 1.02 | 58.0 | 1820.0 | 31 21 | -120 36 | 2065 |
| 2308 39.0 | .34 | 20.0 | 1910.0 | 31 20 | -120 27 | 2062 |
| 2308 42.7 | 1.02 | 59.0 | 1860.0 | 31 18 | -120 16 | 2059 |
| 2308 50.1 | 1.10 | 62.0 | 1810.0 | 31 13 | -119 56 | 2054 |
| 2308 56.8 | .97 | 56.0 | 1840.0 | 31 10 | -119 37 | 2049 |
| 2309 04.4 | .91 | 54.0 | 1910.0 | 31 05 | -119 16 | 2043 |
| 2309 11.8 | 1.02 | 64.0 | 2000.0 | 31 01 | -118 55 | 2037 |
| 2309 20.0 | .78 | 47.0 | 1950.0 | 30 55 | -118 32 | 2030 |
| 2309 26.0 | 1.02 | 65.0 | 2030.0 | 30 52 | -118 15 | 2026 |
| 2309 33.0 | 1.38 | 89.0 | 2050.0 | 30 47 | -117 56 | 2020 |
| 2309 38.4 | .70 | 42.0 | 1940.0 | 30 44 | -117 40 | 2016 |
| 2309 40.3 | .65 | 40.0 | 1980.0 | 30 43 | -117 35 | 2014 |
| 2309 47.4 | .94 | 61.0 | 2080.0 | 30 38 | -117 15 | 2009 |
| 2309 55.0 | .68 | 44.0 | 2080.0 | 30 33 | -116 54 | 2003 |
| 2310 01.8 | 1.23 | 76.0 | 1990.0 | 30 29 | -116 35 | 1997 |
| 2310 08.1 | .40 | 24.0 | 1910.0 | 30 24 | -116 17 | 1992 |
| 2310 09.0 | .82 | 53.0 | 2070.0 | 30 24 | -116 15 | 1991 |
| 2310 16.2 | .84 | 55.0 | 2100.0 | 30 19 | -115 55 | 1986 |
| 2310 23.5 | .81 | 55.0 | 2180.0 | 30 14 | -115 34 | 1980 |

Local time base cor. 9.92 (cm/sec). Data begins 2307:00.2 U. T. Data ends 2311:49.9 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2084

Date 19 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2310 28.8 | .36 | 20.0 | 1800.0 | 30 10 | -115 19 | 1975 |
| 2310 30.5 | 1.08 | 67.0 | 1980.0 | 30 09 | -115 15 | 1974 |
| 2310 35.9 | .52 | 31.0 | 1930.0 | 30 05 | -114 59 | 1969 |
| 2310 37.8 | .93 | 61.0 | 2090.0 | 30 04 | -114 54 | 1968 |
| 2310 44.8 | .53 | 38.0 | 2110.0 | 29 59 | -114 35 | 1967 |
| 2310 50.5 | .65 | 39.0 | 1910.0 | 29 55 | -114 19 | 1958 |
| 2310 52.5 | .62 | 41.0 | 2120.0 | 29 53 | -114 13 | 1956 |
| 2310 59.5 | .47 | 32.0 | 2200.0 | 29 48 | -113 53 | 1950 |
| 2311 04.3 | .67 | 43.0 | 2060.0 | 29 45 | -113 40 | 1946 |
| 2311 06.3 | .48 | 32.0 | 2250.0 | 29 43 | -113 34 | 1944 |
| 2311 13.8 | .49 | 32.0 | 2110.0 | 29 37 | -113 14 | 1938 |
| 2311 28.2 | .42 | 27.0 | 2040.0 | 29 26 | -112 34 | 1926 |
| 2311 40.3 | .58 | 38.0 | 2100.0 | 29 16 | -112 00 | 1916 |
| 2311 47.5 | .31 | 19.0 | 1980.0 | 29 11 | -111 38 | 1910 |
| 2311 49.8 | .28 | 19.0 | 2100.0 | 29 09 | -111 3[illegible] | 1908 |

Local time base cor. 9.92 (cm/sec). Data begins 2307:00.2 U. T. Data ends 2311:49.9 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2087

Date 20 Feb. 1958 U. T.

Data Reader D. Simanek

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1952 35.3 | .19 | 10.0 | 1670.0 | 30 22 | -125 01 | 2536 |
| 1952 56.5 | .26 | 14.0 | 1700.0 | 30 41 | -124 09 | 2536 |
| 1954 29.7 | .30 | 26.0 | 1680.0 | 31 31 | -120 18 | 2538 |
| 1954 38.5 | 1.02 | 52.0 | 1670.0 | 31 35 | -120 01 | 2527 |
| 1954 51.2 | .83 | 41.0 | 1590.0 | 31 40 | -119 24 | 2525 |
| 1955 00.2 | .43 | 17.0 | 1260.0 | 31 42 | -119 01 | 2524 |
| 1955 21.0 | .41 | 17.0 | 1320.0 | 31 5 | -118 06 | 2521 |

Local time base cor. 9.92 (cm/sec). Data begins 1952:35.2 U. T. Data ends 1955:22.0 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2088

Date 20 Feb. 1958 U. T.

Data Reader D. Simanek

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2158 03.7 | .15 | 8.0 | 1710.0 | 33 17 | -125 48 | 2373 |
| 2158 11.2 | .53 | 28.0 | 1690.0 | 33 16 | -125 28 | 2369 |
| 2159 01.1 | .63 | 34.0 | 1730.0 | 33 09 | -123 12 | 2345 |
| 2159 08.4 | .62 | 33.0 | 1710.0 | 33 07 | -122 52 | 2341 |
| 2159 15.3 | 1.39 | 85.0 | 1960.0 | 33 06 | -122 33 | 2338 |
| 2159 17.3 | .91 | 48.0 | 1690.0 | 33 06 | -122 28 | 2337 |
| 2159 24.8 | .87 | 52.0 | 1920.0 | 33 04 | -122 07 | 2333 |
| 2159 31.1 | 2.57 | 143.0 | 1780.0 | 33 03 | -121 50 | 2329 |
| 2159 37.3 | 1.01 | 53.0 | 1680.0 | 33 02 | -121 33 | 2326 |
| 2159 38.9 | 1.15 | 60.0 | 1670.0 | 33 01 | -121 30 | 2325 |
| 2159 51.7 | 1.08 | 58.0 | 1720.0 | 32 59 | -120 54 | 2319 |
| 2159 53.5 | .47 | 23.0 | 1560.0 | 32 58 | -120 49 | 2318 |
| 2200 00.1 | 1.56 | 82.0 | 1690.0 | 32 57 | -120 31 | 2314 |
| 2200 07.7 | 1.87 | 94.0 | 1610.0 | 32 55 | -120 10 | 2310 |
| 2200 13.3 | .93 | 54.0 | 1870.0 | 32 53 | -119 55 | 2307 |
| 2200 14.9 | .78 | 38.0 | 1560.0 | 32 53 | -119 50 | 2306 |
| 2200 22.4 | 1.01 | 55.0 | 1740.0 | 32 51 | -119 30 | 2302 |
| 2200 29.1 | 1.07 | 51.0 | 1530.0 | 32 49 | -119 11 | 2298 |
| 2200 36.1 | 1.47 | 71.0 | 1550.0 | 32 47 | -118 52 | 2294 |
| 2200 43.2 | 1.21 | 58.0 | 1540.0 | 32 45 | -118 33 | 2290 |
| 2200 50.6 | 1.58 | 72.0 | 1460.0 | 32 43 | -118 13 | 2286 |
| 2200 57.9 | .90 | 40.0 | 1430.0 | 32 41 | -117 53 | 2282 |
| 2201 04.9 | 1.13 | 52.0 | 1470.0 | 32 38 | -117 34 | 2277 |
| 2201 11.8 | .67 | 31.0 | 1480.0 | 32 36 | -117 15 | 2273 |
| 2201 18.9 | 1.13 | 59.0 | 1680.0 | 32 33 | -116 55 | 2269 |
| 2201 33.0 | 1.30 | 66.0 | 1630.0 | 32 28 | -116 17 | 2261 |
| 2201 41.0 | 1.35 | 64.0 | 1520.0 | 32 26 | -115 55 | 2256 |
| 2201 47.9 | 1.80 | 91.0 | 1620.0 | 32 23 | -115 36 | 2252 |

Local time base cor. 9.89 (cm/sec). Data begins 2158:02.9 U. T. Data ends 2202:45.9 U. T.

Remarks Data questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2088

Date 20 Feb. 1958 U. T.

Data Reader D. Simanek

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2201 54.8 | .80 | 40.0 | 1600.0 | 32 21 | -115 17 | 2248 |
| 2202 09.1 | 1.76 | 93.0 | 1690.0 | 32 16 | -114 38 | 2239 |
| 2202 16.5 | 1.38 | 68.0 | 1580.0 | 32 12 | -114 18 | 2234 |
| 2202 23.4 | .98 | 51.0 | 1670.0 | 32 09 | -113 59 | 2230 |
| 2202 37.2 | .60 | 33.0 | 1770.0 | 32 03 | -113 21 | 2221 |
| 2202 45.3 | 1.29 | 68.0 | 1690.0 | 31 59 | -112 58 | 2216 |

Local time base cor. 9.89 (cm/sec). Data begins 2158:02.9 U. T. Data ends 2202:45.9 U. T.

Remarks Data questionable. Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2091

Date 21 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2050 31.1 | .42 | 21.0 | 1610.0 | 33 18 | -121 57 | 2486 |
| 2050 50.0 | .33 | 15.0 | 1470.0 | 33 19 | -121 07 | 2481 |
| 2051 00.0 | .45 | 23.0 | 1630.0 | 33 20 | -120 41 | 2478 |
| 2051 07.3 | .44 | 22.0 | 1610.0 | 33 20 | -120 22 | 2476 |
| 2051 23.2 | .50 | 20.0 | 1290.0 | 33 20 | -119 39 | 2471 |
| 2051 28.7 | .46 | 22.0 | 1550.0 | 33 20 | -119 24 | 2469 |
| 2051 35.8 | .43 | 24.0 | 1800.0 | 33 21 | -119 06 | 2467 |
| 2051 37.9 | .57 | 25.0 | 1400.0 | 33 21 | -119 00 | 2467 |
| 2051 42.8 | .69 | 36.0 | 1680.0 | 33 21 | -118 47 | 2465 |
| 2051 57.2 | .43 | 23.0 | 1700.0 | 33 21 | -118 08 | 2461 |
| 2052 04.4 | .57 | 30.0 | 1680.0 | 33 21 | -117 49 | 2458 |
| 2052 14.0 | .66 | 32.0 | 1550.0 | 33 21 | -117 24 | 2455 |
| 2052 18.8 | .48 | 27.0 | 1800.0 | 33 20 | -117 11 | 2453 |
| 2052 32.9 | .64 | 37.0 | 1860.0 | 33 20 | -116 33 | 2449 |
| 2052 56.6 | .42 | 20.0 | 1530.0 | 33 19 | -115 30 | 2440 |
| 2053 18.2 | .48 | 23.0 | 1520.0 | 33 17 | -114 32 | 2432 |
| 2053 39.4 | .33 | 15.0 | 1450.0 | 33 14 | -113 35 | 2424 |

Local time base cor. 9.90 (cm/sec). Data begins 2050:30.9 U. T. Data ends 2053:39.6 U. T.

Remarks Rate tumble modulated.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2096

Date 22 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2146 37.0 | .38 | 22.0 | 1830.0 | 32 28 | -122 49 | 2410 |
| 2146 37.5 | .34 | 17.0 | 1600.0 | 32 28 | -122 48 | 2410 |
| 2146 44.4 | .51 | 30.0 | 1890.0 | 32 25 | -122 29 | 2407 |
| 2146 51.5 | .57 | 33.0 | 1840.0 | 32 23 | -122 11 | 2405 |
| 2147 13.0 | 1.01 | 56.0 | 1770.0 | 32 15 | -121 14 | 2395 |
| 2147 20.2 | .70 | 40.0 | 1830.0 | 32 12 | -120 35 | 2392 |
| 2147 27.4 | .45 | 26.0 | 1850.0 | 32 09 | -120 36 | 2389 |
| 2147 29.7 | .25 | 15.0 | 1960.0 | 32 08 | -120 30 | 2388 |
| 2147 34.8 | .56 | 33.0 | 1890.0 | 32 05 | -120 17 | 2386 |
| 2147 41.5 | .68 | 40.0 | 1890.0 | 32 03 | -119 59 | 2383 |
| 2147 44.0 | .47 | 22.0 | 1490.0 | 32 02 | -119 53 | 2381 |
| 2147 51.1 | .51 | 24.0 | 1510.0 | 31 59 | -119 34 | 2378 |
| 2147 56.0 | .37 | 20.0 | 1740.0 | 31 57 | -119 21 | 2376 |
| 2147 59.8 | .28 | 19.0 | 2170.0 | 31 55 | -119 12 | 2374 |
| 2148 12.4 | .75 | 34.0 | 1440.0 | 31 49 | -118 38 | 2368 |
| 2148 19.7 | .87 | 35.0 | 1290.0 | 31 46 | -118 19 | 2365 |
| 2148 24.6 | .96 | 63.0 | 2100.0 | 31 44 | -118 06 | 2363 |
| 2148 26.9 | .61 | 30.0 | 1970.0 | 31 42 | -118 00 | 2362 |
| 2148 31.8 | .80 | 46.0 | 1640.0 | 31 40 | -117 47 | 2358 |
| 2148 33.9 | .95 | 42.0 | 1480.0 | 31 39 | -117 42 | 2357 |
| 2148 37.6 | .50 | 25.0 | 1620.0 | 31 37 | -117 32 | 2356 |
| 2148 39.0 | .42 | 23.0 | 1740.0 | 31 37 | -117 28 | 2355 |
| 2148 41.2 | [illegible] | 21.0 | 1550.0 | 31 36 | -117 2[illegible] | 2354 |
| 2148 46.7 | .83 | 15.0 | 1790.0 | 31 33 | -117 08 | 2352 |
| 2148 48.4 | .86 | 18.0 | 1610.0 | 31 32 | -117 0[illegible] | 2351 |
| 2148 53.5 | .80 | 13.0 | 1700.0 | 31 30 | -116 50 | 2348 |
| 2148 55.3 | 1.03 | 22.0 | 1410.0 | 31 29 | -116 44 | 2347 |
| 2149 00.8 | 1.23 | 30.0 | 1820.0 | 31 27 | -116 31 | 2345 |

Local time base cor. 9.87 (cm/sec). Data begins 2146:36.9 U. T. Data ends 2150:20.1 U. T.

Remarks Tape speed fluctuations. Data questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2096

Date 22 Feb. 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2149 02.9 | 1.07 | 48.0 | 1440.0 | 31 25 | -116 25 | 2344 |
| 2149 08.0 | .73 | 43.0 | 1800.0 | 31 23 | -116 12 | 2341 |
| 2149 10.2 | .77 | 34.0 | 1420.0 | 31 21 | -116 06 | 2340 |
| 2149 15.0 | .43 | 24.0 | 1790.0 | 31 19 | -115 54 | 2337 |
| 2149 17.1 | .87 | 39.0 | 1440.0 | 31 18 | -115 49 | 2336 |
| 2149 22.1 | .29 | 17.0 | 1880.0 | 31 15 | -115 36 | 2333 |
| 2149 24.3 | .63 | 30.0 | 1540.0 | 31 14 | -115 30 | 2332 |
| 2149 29.5 | .80 | 44.0 | 1760.0 | 31 11 | -115 16 | 2330 |
| 2149 31.6 | .73 | 32.0 | 1410.0 | 31 10 | -115 11 | 2929 |
| 2149 38.8 | .57 | 26.0 | 1460.0 | 31 06 | -114 52 | 2325 |
| 2149 45.8 | .89 | 39.0 | 1410.0 | 31 02 | -114 34 | 2321 |
| 2149 51.8 | .39 | 22.0 | 1830.0 | 30 59 | -114 18 | 2318 |
| 2150 05.2 | .32 | 20.0 | 2000.0 | 30 51 | -113 43 | 2311 |
| 2150 07.3 | .33 | 18.0 | 1760.0 | 30 49 | -113 38 | 2310 |
| 2150 19.9 | .40 | 23.0 | 1860.0 | 30 42 | -113 05 | 2302 |

Local time base cor. 9.87 (cm/sec). Data begins 2146:36.9 U. T. Data ends 2150:20.1 U. T.

Remarks Tape speed fluctuations. Data questionable. Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2099

Date 23 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2039 03.2 | .31 | 18.0 | 1860.0 | 33 08 | -118 25 | 2505 |
| 2039 30.4 | .48 | 28.0 | 1890.0 | 33 03 | -117 13 | 2499 |
| 2039 38.3 | .26 | 14.0 | 1720.0 | 33 01 | -116 53 | 2497 |
| 2039 52.0 | 1.85 | 106.0 | 1830.0 | 32 59 | -116 17 | 2494 |
| 2039 59.5 | 1.83 | 104.0 | 1820.0 | 32 57 | -115 57 | 2493 |
| 2040 06.6 | .76 | 45.0 | 1910.0 | 32 55 | -115 39 | 2491 |
| 2040 12.6 | 1.15 | 67.0 | 1860.0 | 32 53 | -115 23 | 2489 |
| 2040 14.5 | .98 | 59.0 | 1930.0 | 32 53 | -115 18 | 2489 |
| 2040 20.3 | 1.02 | 62.0 | 1950.0 | 32 51 | -115 03 | 2487 |
| 2040 21.9 | 1.90 | 102.0 | 1720.0 | 32 51 | -114 59 | 2487 |
| 2040 28.3 | .73 | 41.0 | 1810.0 | 32 49 | -114 42 | 2485 |
| 2040 29.2 | .46 | 25.0 | 1740.0 | 32 49 | -114 40 | 2485 |
| 2040 34.5 | .95 | 52.0 | 1750.0 | 32 47 | -114 26 | 2483 |
| 2040 36.0 | .55 | 30.0 | 1760.0 | 32 47 | -114 22 | 2483 |
| 2040 42.0 | .96 | 56.0 | 1860.0 | 32 45 | -114 06 | 2481 |
| 2040 49.0 | .51 | 31.0 | 1960.0 | 32 43 | -113 48 | 2480 |
| 2040 56.3 | .37 | 23.0 | 1980.0 | 32 41 | -113 29 | 2478 |
| 2041 03.5 | .28 | 18.0 | 2060.0 | 32 39 | -113 10 | 2476 |
| 2041 11.2 | 1.61 | 92.0 | 1830.0 | 32 36 | -112 50 | 2473 |
| 2041 17.6 | .62 | 38.0 | 1980.0 | 32 34 | -112 33 | 2471 |
| 2041 25.8 | .52 | 30.0 | 1850.0 | 32 31 | -112 12 | 2469 |
| 2041 32.8 | 1.14 | 70.0 | 1960.0 | 32 29 | -111 54 | 2467 |
| 2041 39.4 | .95 | 56.0 | 1900.0 | 32 27 | -111 37 | 2465 |
| 2041 46.8 | .59 | 34.0 | 1840.0 | 32 24 | -111 17 | 2462 |
| 2042 01.0 | .80 | 49.0 | 1960.0 | 32 20 | -110 40 | 2458 |
| 2042 15.5 | 1.03 | 67.0 | 1990.0 | 32 14 | -110 03 | 2453 |
| 2042 23.0 | .95 | 54.0 | 1820.0 | 32 11 | -109 47 | 2450 |
| 2042 31.2 | .33 | 20.0 | 1930.0 | 32 08 | -109 22 | 2447 |

Local time base cor. 9.87 (cm/sec). Data begins 2039:03.0 U. T. Data ends 2043:34.7 U. T.

Remarks Data questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2099

Date 23 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2042 36.6 | .30 | 20.0 | 2130.0 | 32 05 | -109 08 | 2446 |
| 2042 59.4 | .83 | 51.0 | 1970.0 | 31 56 | -108 10 | 2438 |
| 2043 34.5 | .32 | 21.0 | 2090.0 | 31 40 | -106 39 | 2424 |

Local time base cor. 9.87 (cm/sec). Data begins 2039:03.0 U. T. Data ends 2043:34.7 U. T.

Remarks Data questionable. Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2103

Date 24 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1929 24.6 | .59 | 30.0 | 1640.0 | 33 13 | -119 08 | 2530 |
| 1929 46.2 | 2.26 | 124.0 | 1760.0 | 33 16 | -118 12 | 2532 |
| 1930 08.0 | .82 | 45.0 | 1760.0 | 33 18 | -117 15 | 2533 |
| 1930 15.1 | .33 | 20.0 | 1970.0 | 33 19 | -116 56 | 2534 |
| 1930 29.4 | .27 | 15.0 | 1780.0 | 33 19 | -116 19 | 2534 |
| 1930 37.0 | .54 | 34.0 | 2030.0 | 33 20 | -115 59 | 2535 |
| 1930 44.2 | .50 | 30.0 | 1940.0 | 33 20 | -115 40 | 2535 |
| 1930 50.9 | .28 | 17.0 | 1940.0 | 33 21 | -115 23 | 2535 |
| 1930 58.7 | .42 | 26.0 | 2000.0 | 33 21 | -115 02 | 2536 |
| 1931 27.5 | .32 | 22.0 | 2200.0 | 33 21 | -113 47 | 2536 |
| 1931 34.6 | .51 | 34.0 | 2150.0 | 33 21 | -113 28 | 2536 |
| 1931 42.0 | .62 | 41.0 | 2120.0 | 33 21 | -113 09 | 2536 |
| 1931 56.5 | .15 | 10.0 | 2130.0 | 33 21 | -112 31 | 2536 |

Local time base cor. 9.87 (cm/sec). Data begins 1929:24.3 U. T. Data ends 1931:56.6 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2104

Date 24 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2133 12.3 | .20 | 30.2 | 600.0 | 31 38 | -124 [illegible] | 2477 |
| 2133 33.3 | .23 | 16.3 | 580.0 | 31 38 | -123 [illegible] | 2471 |
| 2134 30.4 | .33 | 19.0 | 550.0 | 30 54 | -120 [illegible] | 2433 |
| 2134 38.1 | .45 | 22.0 | 560.0 | 30 54 | -120 [illegible] | 2430 |
| 2134 59.5 | .52 | 30.0 | 550.0 | 30 42 | -119 [illegible] | 2443 |
| 2135 06.5 | .43 | 22.0 | 560.0 | 30 38 | -119 [illegible] | 2440 |
| 2135 14.4 | .32 | 30.0 | 550.0 | 30 33 | -119 [illegible] | 2437 |
| 2135 35.0 | .38 | 20.0 | 580.0 | 30 20 | -119 [illegible] | 2429 |
| 2136 18.4 | .50 | 30.0 | 600.0 | 29 53 | -116 [illegible] | 2412 |

Local time base cor. 9.81 (cm/sec). Data begins 2133:12.2 U. T. Data ends 2136:18.7 U. T.

Remarks

Page 640

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2107

Date 25 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2025 11.7 | .50 | 39.0 | 2000.0 | 32 43 | -120 25 | 2532 |
| 2025 40.5 | .41 | 23.0 | 1800.0 | 32 35 | -119 10 | 2529 |
| 2026 15.7 | .69 | 29.0 | 1810.0 | 32 23 | -117 37 | 2526 |
| 2026 53.0 | .43 | 28.0 | 2060.0 | 32 10 | -116 05 | 2522 |

Local time base cor. 9.80 (cm/sec). Data begins 2025:11.4 U. T. Data ends 2026:53.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2111

Date 26 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

Local time base cor. 9.87 (cm/sec). Data begins 1708:46.0 U. T. Data ends 1713:15.1 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2112

Date 26 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1916 06.6 | .40 | [illegible] | 1940.0 | [illegible] | [illegible] | [illegible] |
| 1916 12.5 | .6 | [illegible] | 1890.0 | [illegible] | [illegible] | [illegible] |
| 1916 40.0 | [illegible] | [illegible] | 1760.0 | [illegible] | [illegible] | [illegible] |
| 1916 42.6 | .63 | [illegible] | 1730.0 | [illegible] | [illegible] | [illegible] |
| 1917 18.5 | 1.23 | [illegible] | 1790.0 | [illegible] | [illegible] | [illegible] |
| 1917 23.9 | .51 | [illegible] | 960.0 | [illegible] | [illegible] | [illegible] |
| 1917 32.5 | .80 | [illegible] | 1840.0 | [illegible] | [illegible] | [illegible] |
| 1917 40.3 | .79 | [illegible] | 1900.0 | [illegible] | [illegible] | [illegible] |
| 1917 47.2 | 1.24 | [illegible] | 1900.0 | [illegible] | [illegible] | [illegible] |
| 1917 54.7 | .63 | [illegible] | 1810.0 | [illegible] | [illegible] | [illegible] |
| 1918 01.3 | [illegible] | [illegible] | 1900.0 | [illegible] | [illegible] | [illegible] |
| 1918 20.0 | .71 | [illegible] | 1800.0 | [illegible] | [illegible] | [illegible] |
| 1918 30.7 | .71 | [illegible] | 1890.0 | [illegible] | [illegible] | [illegible] |

Local time base cor. 9.95 (cm/sec). Data begins 1916:06.4 U. T. Data ends 1918:31.0 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2114

Date 27 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1602 45.0 | .14 | 5.0 | 1830.0 | 27 19 | -115 07 | 2011 |
| 1602 55.4 | .54 | 20.0 | 1790.0 | 27 29 | -114 40 | 2019 |
| 1603 09.4 | .53 | 20.0 | 1830.0 | 27 41 | -114 03 | 2030 |
| 1603 12.2 | .45 | 17.0 | 1920.0 | 27 44 | -113 56 | 2032 |
| 1603 33.2 | .73 | 24.0 | 1710.0 | 28 02 | -113 07 | 2048 |
| 1603 47.6 | .47 | 20.0 | 2040.0 | 28 14 | -112 23 | 2059 |
| 1604 02.4 | .35 | 17.0 | 1920.0 | 28 27 | -111 44 | 2071 |
| 1604 09.0 | .30 | 15.0 | 1500.0 | 28 32 | -111 26 | 2076 |
| 1604 16.5 | .39 | 17.0 | 1750.0 | 28 38 | -111 07 | 2081 |
| 1605 00.5 | .49 | 26.0 | 1830.0 | 29 13 | -109 11 | 2114 |
| 1605 53.7 | .49 | 30.0 | 1960.0 | 29 56 | -106 36 | 2155 |

Local time base cor. 9.88 (cm/sec). Data begins 1602:44.9 U. T. Data ends 1605:58.9 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2115

Date 27 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1804 58.9 | .26 | 15.0 | 1850.0 | 32 20 | -123 49 | 2312 |
| 1805 05.0 | .66 | 38.0 | 1840.0 | 32 22 | -123 33 | 2315 |
| 1805 28.6 | .58 | 28.0 | 1540.0 | 32 30 | -122 29 | 2328 |
| 1805 35.5 | .43 | 22.0 | 1630.0 | 32 32 | -122 10 | 2331 |
| 1806 04.3 | 1.08 | 53.0 | 1580.0 | 32 41 | -120 52 | 2346 |
| 1806 11.7 | .44 | 20.0 | 1440.0 | 32 43 | -120 32 | 2350 |
| 1806 19.0 | .72 | 34.0 | 1500.0 | 32 45 | -120 13 | 2353 |
| 1806 32.6 | .85 | 43.0 | 1620.0 | 32 49 | -119 36 | 2360 |
| 1806 47.8 | .70 | 40.0 | 1820.0 | 32 54 | -118 55 | 2367 |
| 1806 55.0 | .26 | 13.0 | 1630.0 | 32 56 | -118 36 | 2371 |
| 1807 02.0 | .58 | 30.0 | 1660.0 | 32 57 | -118 17 | 2374 |
| 1807 09.5 | .65 | 31.0 | 1520.0 | 32 59 | -117 57 | 2377 |
| 1807 23.5 | .59 | 30.0 | 1630.0 | 33 02 | -117 19 | 2384 |
| 1807 45.1 | .40 | 22.0 | 1760.0 | 33 06 | -116 21 | 2393 |
| 1808 13.9 | .35 | 20.0 | 1860.0 | 33 11 | -115 04 | 2406 |
| 1808 26.4 | .24 | 14.0 | 1850.0 | 33 13 | -114 30 | 2411 |
| 1808 37.3 | .17 | 10.0 | 1880.0 | 33 14 | -114 01 | 2415 |
| 1808 58.9 | .46 | 27.0 | 1890.0 | 33 17 | -113 03 | 2424 |
| 1809 23.7 | .21 | 12.0 | 1830.0 | 33 19 | -111 40 | 2435 |
| 1809 35.2 | .33 | 20.0 | 1960.0 | 33 19 | -111 26 | 2437 |
| 1809 42.9 | .44 | 31.0 | 2080.0 | 33 20 | -111 05 | 2440 |
| 1809 45.6 | .73 | 47.0 | 2060.0 | 33 20 | -110 58 | 2441 |

Local time base cor. 9.9 (cm/sec). Data begins 1804:58.7 U. T. Data ends 1809:45.2 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2119

Date 28 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1656 01.7 | .27 | 14.0 | 1660.0 | 30 19 | -122 54 | 2071 |
| 1656 06.8 | .34 | 20.0 | 1910.0 | 30 22 | -122 40 | 2075 |
| 1656 14.4 | .66 | 40.0 | 1930.0 | 30 27 | -122 19 | 2081 |
| 1656 23.5 | .12 | 8.0 | 2230.0 | 30 33 | -121 54 | 2087 |
| 1656 35.3 | .65 | 40.0 | 1970.0 | 30 41 | -121 21 | 2097 |
| 1656 39.7 | .31 | 17.0 | 1750.0 | 30 43 | -121 12 | 2098 |
| 1656 43.2 | .46 | 27.0 | 1890.0 | 30 46 | -121 00 | 2102 |
| 1656 57.5 | .57 | 34.0 | 1910.0 | 30 55 | -120 21 | 2113 |
| 1657 00.0 | .46 | 24.0 | 1690.0 | 30 57 | -120 14 | 2114 |
| 1657 57.9 | .33 | 17.0 | 1650.0 | 31 29 | -117 36 | 2155 |
| 1658 28.6 | .25 | 12.0 | 1540.0 | 31 44 | -116 11 | 2176 |
| 1658 32.0 | .29 | 19.0 | 2100.0 | 31 45 | -116 02 | 2178 |
| 1658 41.2 | .31 | 16.0 | 1670.0 | 31 50 | -115 37 | 2185 |
| 1658 48.4 | .21 | 9.0 | 1370.0 | 31 53 | -115 17 | 2189 |
| 1658 52.5 | .24 | 11.0 | 1470.0 | 31 55 | -115 06 | 2192 |
| 1658 53.8 | .36 | 19.0 | 1670.0 | 31 56 | -115 02 | 2193 |
| 1658 55.9 | .20 | 10.0 | 1600.0 | 31 57 | -114 56 | 2194 |
| 1659 00.8 | .55 | 30.0 | 1750.0 | 31 59 | -114 43 | 2198 |
| 1659 03.0 | .42 | 24.0 | 1830.0 | 32 00 | -114 37 | 2199 |
| 1659 04.3 | .25 | 15.0 | 1950.0 | 32 01 | -114 33 | 2200 |
| 1659 15.5 | .21 | 12.0 | 1830.0 | 32 05 | -114 02 | 2207 |
| 1659 18.0 | .37 | 21.0 | 1840.0 | 32 07 | -113 55 | 2209 |
| 1659 22.3 | .31 | 20.0 | 2060.0 | 32 08 | -113 43 | 2211 |
| 1659 26.4 | .31 | 19.0 | 1960.0 | 32 10 | -113 32 | 2214 |
| 1659 29.6 | .48 | 28.0 | 1890.0 | 32 11 | -113 23 | 2216 |
| 1659 31.9 | .23 | 12.0 | 1710.0 | 32 12 | -113 17 | 2218 |
| 1659 39.0 | .23 | 12.0 | 1710.0 | 32 15 | -112 57 | 2222 |
| 1659 46.7 | .68 | 33.0 | 1560.0 | 32 18 | -112 36 | 2227 |

Local time base cor. 9.92 (cm/sec). Data begins 1656:01.6 U. T. Data ends 1700:18.9 U. T.

Remarks Time intervals taken are less than one second; data questionable. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2119

Date 28 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1659 51.4 | .21 | 10.0 | 1560.0 | 32 20 | -112 23 | 2230 |
| 1659 53.1 | .24 | 12.0 | 1630.0 | 32 21 | -112 18 | 2231 |
| 1700 13.6 | .20 | 10.0 | 1600.0 | 32 29 | -111 22 | 2244 |
| 1700 14.6 | .19 | 10.0 | 1730.0 | 32 29 | -111 19 | 2244 |
| 1700 18.7 | .43 | 20.0 | 1510.0 | 32 30 | -111 08 | 2247 |

Local time base cor. 9.92 (cm/sec). Data begins 1656:01.6 U. T. Data ends 1700:18.9 U. T.

Remarks Page 2 of 2. Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2123

Date 1 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1751 13.4 | .39 | 20.0 | 1640.0 | 32 58 | -124 23 | 2208 |
| 1751 28.7 | .85 | 41.0 | 1540.0 | 33 01 | -123 51 | 2218 |
| 1751 36.0 | 1.08 | 52.0 | 1540.0 | 33 03 | -123 30 | 2222 |
| 1752 12.6 | 1.19 | 60.0 | 1610.0 | 33 10 | -121 48 | 2245 |
| 1752 27.0 | 1.40 | 70.0 | 1600.0 | 33 12 | -121 07 | 2254 |
| 1752 34.4 | .98 | 48.0 | 1570.0 | 33 13 | -120 47 | 2258 |
| 1752 41.5 | .40 | 19.0 | 1520.0 | 33 14 | -120 27 | 2262 |
| 1752 56.4 | .45 | 21.0 | 1510.0 | 33 16 | -119 45 | 2271 |
| 1753 18.1 | .56 | 27.0 | 1540.0 | 33 18 | -118 45 | 2284 |
| 1753 39.9 | .30 | 16.0 | 1710.0 | 33 20 | -117 44 | 2296 |
| 1753 47.0 | .55 | 30.0 | 1750.0 | 33 20 | -117 24 | 2300 |
| 1753 52.1 | .57 | 34.0 | 1930.0 | 33 20 | -117 10 | 2303 |
| 1753 54.2 | .36 | 18.0 | 1600.0 | 33 21 | -117 04 | 2304 |
| 1753 59.3 | .36 | 23.0 | 2040.0 | 33 21 | -116 50 | 2307 |
| 1754 01.9 | .39 | 21.0 | 1720.0 | 33 21 | -116 43 | 2308 |
| 1754 14.1 | .77 | 49.0 | 2040.0 | 33 21 | -116 09 | 2315 |
| 1754 28.4 | .98 | 63.0 | 2060.0 | 33 21 | -115 30 | 2322 |
| 1754 35.8 | .63 | 40.0 | 2030.0 | 33 21 | -115 10 | 2326 |
| 1754 37.6 | .92 | 52.0 | 1810.0 | 33 21 | -115 05 | 2327 |
| 1754 42.8 | .52 | 33.0 | 2050.0 | 33 21 | -114 50 | 2330 |
| 1754 45.2 | .39 | 26.0 | 2120.0 | 33 21 | -114 44 | 2331 |
| 1754 50.1 | .51 | 32.0 | 2030.0 | 33 21 | -114 30 | 2334 |
| 1754 52.8 | .32 | 20.0 | 2000.0 | 33 21 | -114 23 | 2335 |
| 1755 04.8 | .76 | 50.0 | 2110.0 | 33 21 | -113 50 | 2341 |
| 1755 12.0 | .54 | 35.0 | 2070.0 | 33 20 | -113 30 | 2345 |
| 1755 35.6 | .43 | 27.0 | 2010.0 | 33 18 | -112 26 | 2356 |
| | | | | | | |
| | | | | | | |

Local time base cor. 9.85 (cm/sec). Data begins 1715:13.2 U. T. Data ends 1755:35.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2127

Date 2 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1441 47.6 | .49 | 31.0 | 2020.0 | 26 45 | -111 58 | 1630 |
| 1442 16.2 | .62 | 39.0 | 2010.0 | 27 14 | -110 37 | 1657 |
| 1443 43.5 | .39 | 26.0 | 2110.0 | 28 37 | -106 26 | 1739 |

Local time base cor. 9.74 (cm/sec). Data begins 1441:47.4 U. T. Data ends 1443:43.7 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2128

Date 2 March 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1643 43.4 | .29 | 17.0 | 1860.0 | 32 12 | -119 47 | 2010 |
| 1643 44.1 | .30 | 17.0 | 1840.0 | 32 12 | -119 45 | 2010 |
| 1643 50.7 | .54 | 33.0 | 1960.0 | 32 15 | -119 26 | 2016 |
| 1644 12.5 | 1.20 | 65.0 | 1740.0 | 32 24 | -118 23 | 2033 |
| 1644 19.6 | .60 | 34.0 | 1810.0 | 32 26 | -118 02 | 2038 |
| 1644 25.0 | .96 | 58.0 | 1930.0 | 32 28 | -117 47 | 2042 |
| 1644 32.4 | .44 | 27.0 | 1960.0 | 32 31 | -117 25 | 2048 |
| 1644 48.3 | 2.12 | 132.0 | 1990.0 | 32 37 | -116 39 | 2060 |
| 1644 54.4 | 1.52 | 93.0 | 1960.0 | 32 39 | -116 21 | 2065 |
| 1645 01.3 | 1.39 | 86.0 | 1990.0 | 32 41 | -116 01 | 2070 |
| 1645 08.8 | 1.30 | 79.0 | 1950.0 | 32 44 | -115 40 | 2076 |
| 1645 15.3 | .51 | 32.0 | 1990.0 | 32 46 | -115 21 | 2081 |
| 1645 16.5 | .30 | 19.0 | 2050.0 | 32 46 | -115 17 | 2081 |
| 1645 22.6 | 1.21 | 77.0 | 2030.0 | 32 48 | -115 00 | 2086 |
| 1645 23.8 | .21 | 14.0 | 2130.0 | 32 48 | -114 56 | 2087 |
| 1645 30.2 | 1.42 | 86.0 | 1950.0 | 32 50 | -114 26 | 2092 |
| 1645 38.1 | .87 | 56.0 | 2050.0 | 32 52 | -114 15 | 2097 |
| 1645 45.0 | .59 | 38.0 | 2080.0 | 32 55 | -113 55 | 2102 |
| 1645 59.8 | .89 | 53.0 | 1900.0 | 32 59 | -113 13 | 2113 |
| 1646 06.6 | 1.09 | 71.0 | 2080.0 | 33 00 | -112 53 | 2118 |
| 1646 20.7 | .59 | 38.0 | 2060.0 | 33 03 | -112 12 | 2128 |
| 1646 22.0 | .30 | 18.0 | 1920.0 | 33 03 | -112 09 | 2129 |
| 1646 28.5 | .32 | 21.0 | 2130.0 | 33 05 | -111 50 | 2134 |
| 1646 43.0 | .47 | 31.0 | 2110.0 | 33 08 | -111 08 | 2144 |
| 1646 50.4 | .30 | 19.0 | 2060.0 | 33 09 | -110 47 | 2149 |
| 1646 57.9 | .32 | 20.0 | 1990.0 | 33 11 | -110 25 | 2154 |
| 1647 18.6 | .33 | 20.0 | 1920.0 | 33 13 | -109 26 | 2168 |
| | | | | | | |

Local time base cor. 9.85 (cm/sec). Data begins 1643:43.3 U. T. Data ends 1647:18.8 U. T.

Remarks Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2129

Date 2 March 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1848 17.9 | .26 | 13.0 | 1610.0 | 32 35 | -120 40 | 2380 |
| 1848 37.9 | .30 | 17.0 | 1790.0 | 32 28 | -119 47 | 2389 |
| 1848 38.6 | .91 | 53.0 | 1860.0 | 32 28 | -119 45 | 2389 |
| 1848 45.1 | .34 | 20.0 | 1870.0 | 32 26 | -119 27 | 2392 |
| 1849 00.9 | .51 | 28.0 | 1750.0 | 32 21 | -118 46 | 2399 |
| 1849 06.8 | .41 | 26.0 | 2050.0 | 32 18 | -118 30 | 2402 |
| 1849 14.3 | .52 | 29.0 | 1780.0 | 32 15 | -118 11 | 2405 |
| 1849 15.5 | .55 | 28.0 | 1640.0 | 32 15 | -118 07 | 2405 |
| 1849 21.4 | .33 | 19.0 | 1850.0 | 32 12 | -117 52 | 2408 |
| 1849 43.3 | .38 | 22.0 | 1880.0 | 32 04 | -116 55 | 2416 |
| 1849 50.7 | .58 | 32.0 | 1780.0 | 32 01 | -116 35 | 2419 |
| 1850 13.0 | .41 | 22.0 | 1730.0 | 31 51 | -115 37 | 2428 |
| 1850 13.7 | .28 | 14.0 | 1580.0 | 31 51 | -115 36 | 2428 |
| 1850 34.3 | .74 | 43.0 | 1870.0 | 31 41 | -114 42 | 2436 |
| 1850 49.1 | .69 | 38.0 | 1760.0 | 31 34 | -114 04 | 2441 |
| 1851 02.9 | .68 | 37.0 | 1730.0 | 31 28 | -113 29 | 2446 |
| 1851 17.8 | .68 | 38.0 | 1780.0 | 31 20 | -112 51 | 2451 |
| 1851 32.0 | .38 | 20.0 | 1690.0 | 31 12 | -112 15 | 2455 |
| 1851 40.6 | .63 | 36.0 | 1820.0 | 31 08 | -111 53 | 2458 |

Local time base cor. 9.84 (cm/sec). Data begins 1848:17.8 U. T. Data ends 1851:40.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2132

Date 3 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1533 50.6 | .23 | 15.0 | 2050.0 | 29 10 | -122 29 | 1646 |
| 1534 04.0 | .49 | 29.0 | 1900.0 | 29 21 | -121 49 | 1659 |
| 1534 41.8 | .61 | 38.0 | 2000.0 | 29 51 | -119 56 | 1695 |
| 1534 49.3 | .52 | 32.0 | 1980.0 | 29 57 | -119 33 | 1707 |
| 1534 56.6 | .56 | 36.0 | 2040.0 | 30 03 | -119 11 | 1709 |
| 1535 01.6 | .60 | 38.0 | 2020.0 | 30 07 | -118 56 | 1713 |
| 1535 11.0 | .70 | 45.0 | 2050.0 | 30 14 | -118 28 | 1722 |
| 1535 18.2 | .34 | 22.0 | 2070.0 | 30 19 | -118 07 | 1729 |
| 1535 25.5 | .48 | 30.0 | 2060.0 | 30 24 | -117 45 | 1735 |
| 1535 32.9 | .94 | 59.0 | 2000.0 | 30 30 | -117 23 | 1742 |
| 1535 40.0 | 1.24 | 81.0 | 2090.0 | 30 35 | -117 02 | 1749 |
| 1535 45.2 | .45 | 29.0 | 2080.0 | 30 38 | -116 46 | 1753 |
| 1535 47.3 | .60 | 39.0 | 2070.0 | 30 40 | -116 40 | 1755 |
| 1535 53.6 | .62 | 41.0 | 2100.0 | 30 44 | -116 21 | 1761 |
| 1536 00.0 | .38 | 23.0 | 2000.0 | 30 49 | -116 02 | 1767 |
| 1536 01.4 | .58 | 37.0 | 2030.0 | 30 50 | -115 58 | 1768 |
| 1536 05.6 | .42 | 28.0 | 2110.0 | 30 52 | -115 45 | 1772 |
| 1536 14.9 | .55 | 34.0 | 1980.0 | 30 58 | -115 17 | 1781 |
| 1536 22.4 | .62 | 38.0 | 1960.0 | 31 03 | -114 55 | 1787 |
| 1536 30.0 | 2.02 | 123.0 | 1890.0 | 31 08 | -114 32 | 1794 |
| 1536 37.8 | 1.57 | 100.0 | 2030.0 | 31 12 | -114 09 | 1801 |
| 1536 45.4 | .53 | 36.0 | 2180.0 | 31 17 | -113 46 | 1808 |
| 1536 52.3 | .65 | 44.0 | 2180.0 | 31 21 | -113 25 | 1814 |
| 1536 59.0 | 1.76 | 109.0 | 2000.0 | 31 25 | -113 05 | 1820 |
| 1537 06.4 | 1.75 | 106.0 | 1940.0 | 31 29 | -112 43 | 1827 |
| 1537 13.1 | .55 | 32.0 | 1870.0 | 31 33 | -112 23 | 1833 |
| 1537 21.6 | .99 | 64.0 | 2060.0 | 31 38 | -111 58 | 1840 |
| 1537 25.7 | .33 | 22.0 | 2140.0 | 31 40 | -111 45 | 1844 |

Local time base cor. 9.73 (cm/sec). Data begins 1533:50.5 U. T. Data ends 1537:43.3 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2132

Date 3 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1537 35.3 | .42 | 25.0 | 1900.0 | 31 45 | -111 17 | 1852 |
| 1537 43.0 | .59 | 37.0 | 2010.0 | 31 49 | -110 54 | 1859 |

Local time base cor. 9.73 (cm/sec). Data begins 1533:50.5 U. T. Data ends 1537:43.3 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2133

Date 3 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1737 46.1 | .74 | 40.0 | 1740.0 | 33 20 | -123 43 | 2113 |
| 1738 00.8 | 1.02 | 56.0 | 1770.0 | 33 21 | -123 00 | 2124 |
| 1738 30.0 | 1.06 | 61.0 | 1840.0 | 33 21 | -121 35 | 2144 |
| 1738 37.3 | 1.68 | 98.0 | 1870.0 | 33 21 | -121 14 | 2150 |
| 1738 44.0 | .76 | 41.0 | 1730.0 | 33 21 | -120 55 | 2154 |
| 1738 45.1 | .50 | 31.0 | 1980.0 | 33 21 | -120 52 | 2155 |
| 1738 51.6 | 1.21 | 70.0 | 1860.0 | 33 21 | -120 33 | 2160 |
| 1738 59.2 | 1.87 | 111.0 | 1900.0 | 33 21 | -120 11 | 2165 |
| 1739 06.2 | 1.52 | 91.0 | 1920.0 | 33 20 | -119 51 | 2169 |
| 1739 13.6 | 1.69 | 103.0 | 1950.0 | 33 20 | -119 30 | 2174 |
| 1739 20.7 | 1.63 | 97.0 | 1910.0 | 33 19 | -119 10 | 2179 |
| 1739 28.1 | 1.73 | 101.0 | 1870.0 | 33 18 | -118 49 | 2184 |
| 1739 42.7 | .92 | 55.0 | 1910.0 | 33 17 | -118 07 | 2194 |
| 1739 50.0 | .77 | 46.0 | 1910.0 | 33 16 | -117 47 | 2199 |
| 1739 57.3 | 1.15 | 70.0 | 1960.0 | 33 15 | -117 26 | 2203 |
| 1740 05.4 | .97 | 58.0 | 1910.0 | 33 14 | -117 03 | 2209 |
| 1740 11.7 | 1.66 | 100.0 | 1930.0 | 33 13 | -116 45 | 2212 |
| 1740 19.0 | 1.19 | 73.0 | 1970.0 | 33 12 | -116 24 | 2217 |
| 1740 33.4 | 1.12 | 67.0 | 1920.0 | 33 10 | -115 44 | 2226 |
| 1740 47.5 | .93 | 53.0 | 1820.0 | 33 08 | -115 04 | 2235 |
| 1740 48.8 | .86 | 55.0 | 2060.0 | 33 08 | -115 01 | 2236 |
| 1740 55.5 | .95 | 56.0 | 1890.0 | 33 07 | -114 42 | 2240 |
| 1741 03.0 | .99 | 61.0 | 1970.0 | 33 05 | -114 21 | 2245 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Local time base cor. 9.90 (cm/sec). Data begins 1737:45.7 U. T. Data ends 1741:03.5 U. T.

Remarks Rate tumble modulated.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2137

Date 4 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1628 41.2 | .16 | 10.0 | 2010.0 | 32 33 | -123 45 | 1821 |
| 1628 48.3 | .53 | 32.0 | 1940.0 | 32 36 | -123 23 | 1827 |
| 1628 55.2 | .44 | 26.0 | 1900.0 | 32 38 | -123 02 | 1834 |
| 1629 03.0 | .56 | 36.0 | 2070.0 | 32 41 | -122 38 | 1840 |
| 1629 10.0 | .54 | 33.0 | 1970.0 | 32 43 | -122 16 | 1847 |
| 1629 24.7 | .21 | 14.0 | 2110.0 | 32 48 | -121 32 | 1859 |
| 1629 53.9 | .32 | 21.0 | 2070.0 | 32 57 | -120 03 | 1885 |
| 1630 00.8 | .47 | 31.0 | 2100.0 | 32 59 | -119 42 | 1891 |
| 1630 08.1 | .25 | 16.0 | 2050.0 | 33 01 | -119 19 | 1897 |
| 1630 15.8 | .35 | 22.0 | 2000.0 | 33 02 | -118 56 | 1903 |
| 1630 23.8 | .74 | 46.0 | 1980.0 | 33 04 | -118 31 | 1910 |
| 1630 37.3 | .48 | 31.0 | 2070.0 | 33 07 | -117 50 | 1921 |
| 1630 52.0 | .24 | 15.0 | 2010.0 | 33 10 | -117 05 | 1934 |
| 1630 59.4 | .32 | 20.0 | 2010.0 | 33 12 | -116 43 | 1940 |
| 1631 11.8 | .48 | 28.0 | 1880.0 | 33 13 | -116 05 | 1950 |
| 1631 12.9 | .37 | 22.0 | 1930.0 | 33 14 | -116 02 | 1951 |
| 1631 13.4 | .42 | 27.0 | 2060.0 | 33 14 | -116 01 | 1952 |
| 1631 19.4 | .43 | 25.0 | 1870.0 | 33 14 | -115 42 | 1956 |
| 1631 21.8 | .55 | 35.0 | 2040.0 | 33 14 | -115 37 | 1958 |
| 1631 28.5 | .31 | 20.0 | 2070.0 | 33 15 | -115 15 | 1964 |
| 1631 33.6 | .36 | 22.0 | 1980.0 | 33 16 | -115 00 | 1968 |
| 1631 35.7 | .38 | 24.0 | 2080.0 | 33 16 | -114 53 | 1970 |
| 1631 43.0 | .51 | 34.0 | 2130.0 | 33 17 | -114 31 | 1976 |
| 1631 50.8 | .48 | 30.0 | 1980.0 | 33 18 | -114 09 | 1982 |
| 1631 57.6 | .37 | 26.0 | 2240.0 | 33 19 | -113 47 | 1988 |
| 1632 08.1 | .51 | 32.0 | 2030.0 | 33 19 | -113 16 | 1996 |
| 1632 19.6 | .28 | 18.0 | 2090.0 | 33 20 | -112 42 | 2005 |
| 1632 26.3 | .38 | 26.0 | 2170.0 | 33 20 | -112 21 | 2011 |

Local time base cor. 9.86 (cm/sec). Data begins 1628:41.1 U. T. Data ends 1633:35.0 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2137

Date 4 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1632 34.0 | .37 | 24.0 | 2090.0 | 33 21 | -111 59 | 2016 |
| 1633 03.0 | .83 | 51.0 | 1980.0 | 33 22 | -110 33 | 2039 |
| 1633 10.1 | .44 | 33.0 | 2190.0 | 33 21 | -110 12 | 2045 |
| 1633 20.2 | .33 | 22.0 | 2170.0 | 33 21 | -109 42 | 2052 |
| 1633 34.8 | .31 | 21.0 | 2180.0 | 33 20 | -108 59 | 2063 |

Local time base cor. 9.86 (cm/sec). Data begins 1628:41.1 U. T. Data ends 1633:35.0 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2138

Date 4 March 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1834 45.8 | .38 | 21.0 | 1780.0 | 31 23 | -119 29 | 2314 |
| 1835 07.9 | 1.04 | 98.0 | 1780.0 | 31 12 | -118 15 | 2325 |
| 1835 20.5 | .91 | 40.0 | 1410.0 | 31 04 | -117 58 | 2332 |
| 1835 22.7 | .34 | 19.0 | 1790.0 | 31 03 | -117 52 | 2333 |
| 1835 37.0 | .91 | 52.0 | 1830.0 | 30 55 | -117 15 | 2340 |
| 1835 42.6 | .68 | 30.0 | 1410.0 | 30 50 | -117 00 | 2343 |
| 1835 44.0 | 1.60 | 90.0 | 1800.0 | 30 51 | -116 57 | 2344 |
| 1835 49.5 | .84 | 42.0 | 1610.0 | 30 48 | -116 42 | 2346 |
| 1835 51.4 | .61 | 36.0 | 1890.0 | 30 47 | -116 37 | 2347 |
| 1835 56.8 | .81 | 37.0 | 1450.0 | 30 44 | -116 23 | 2350 |
| 1835 58.8 | .71 | 38.0 | 1710.0 | 30 43 | -116 18 | 2351 |
| 1836 06.1 | .71 | 39.0 | 1750.0 | 30 38 | -116 00 | 2355 |
| 1836 18.9 | .69 | 33.0 | 1530.0 | 30 30 | -115 27 | 2361 |
| 1836 20.9 | .94 | 52.0 | 1770.0 | 30 29 | -115 22 | 2362 |
| 1836 35.1 | .80 | 43.0 | 1710.0 | 30 20 | -114 44 | 2368 |
| 1836 40.5 | .58 | 28.0 | 1540.0 | 30 17 | -114 32 | 2371 |
| 1836 57.0 | .93 | 47.0 | 1620.0 | 30 07 | -113 46 | 2378 |
| 1837 04.0 | .57 | 29.0 | 1630.0 | 30 02 | -113 33 | 2382 |
| 1837 32.9 | .47 | 24.0 | 1650.0 | 29 43 | -112 21 | 2394 |

Local time base cor. 9.89 (cm/sec). Data begins 1834:45.6 U. T. Data ends 1837:33.1 U. T.

Remarks Rate tumble modulated. Data questionable.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2140

Date 5 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1519 44.8 | .27 | 19.0 | 2120.0 | 30 25 | -124 11 | 1493 |
| 1519 52.3 | .32 | 23.0 | 2270.0 | 30 31 | -123 47 | 1500 |
| 1520 02.1 | .32 | 22.0 | 2230.0 | 30 38 | -123 15 | 1510 |
| 1520 16.6 | .46 | 29.0 | 2010.0 | 30 48 | -122 29 | 1524 |
| 1520 23.4 | .81 | 52.0 | 2050.0 | 30 53 | -122 08 | 1531 |
| 1520 24.1 | .42 | 27.0 | 2040.0 | 30 53 | -122 05 | 1531 |
| 1520 30.6 | .29 | 19.0 | 2140.0 | 30 58 | -121 45 | 1538 |
| 1520 37.7 | .68 | 43.0 | 2040.0 | 31 03 | -121 22 | 1545 |
| 1520 44.9 | 1.03 | 63.0 | 1970.0 | 31 08 | -120 59 | 1552 |
| 1520 52.2 | .54 | 37.0 | 2200.0 | 31 13 | -120 36 | 1559 |
| 1520 52.9 | .49 | 33.0 | 2140.0 | 31 13 | -120 34 | 1560 |
| 1521 00.4 | 1.07 | 68.0 | 2040.0 | 31 18 | -120 10 | 1567 |
| 1521 07.5 | 1.27 | 78.0 | 1970.0 | 31 22 | -119 47 | 1574 |
| 1521 14.0 | 1.55 | 94.0 | 1930.0 | 31 26 | -119 26 | 1580 |
| 1521 21.6 | 1.29 | 80.0 | 1980.0 | 31 31 | -119 02 | 1587 |
| 1521 28.8 | 1.22 | 80.0 | 2110.0 | 31 35 | -118 39 | 1594 |
| 1521 36.2 | .75 | 48.0 | 2050.0 | 31 39 | -118 15 | 1601 |
| 1521 37.6 | .69 | 46.0 | 2140.0 | 31 40 | -118 11 | 1603 |
| 1521 43.7 | .92 | 60.0 | 2080.0 | 31 43 | -117 51 | 1609 |
| 1521 50.9 | .75 | 48.0 | 2040.0 | 31 48 | -117 28 | 1616 |
| 1521 51.8 | .70 | 48.0 | 2190.0 | 31 48 | -117 25 | 1616 |
| 1521 57.3 | .53 | 36.0 | 2190.0 | 31 51 | -117 08 | 1622 |
| 1521 58.0 | .51 | 31.0 | 1940.0 | 31 52 | -117 05 | 1622 |
| 1522 04.6 | 1.27 | 79.0 | 2000.0 | 31 55 | -116 44 | 1629 |
| 1522 05.6 | .51 | 32.0 | 2030.0 | 31 56 | -116 41 | 1630 |
| 1522 07.6 | .31 | 19.0 | 1950.0 | 31 57 | -116 35 | 1632 |
| 1522 12.1 | .78 | 47.0 | 1930.0 | 31 59 | -116 20 | 1636 |
| 1522 13.5 | .49 | 29.0 | 1900.0 | 32 00 | -116 16 | 1637 |

Local time base cor. 9.92 (cm/sec). Data begins 1519:44.6 U. T. Data ends 1523:42.3 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2140

Date 5 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1522 14.2 | .58 | 38.0 | 2100.0 | 32 00 | -116 14 | 1638 |
| 1522 19.4 | .57 | 36.0 | 2010.0 | 32 03 | -115 57 | 1643 |
| 1522 21.3 | .42 | 28.0 | 2140.0 | 32 04 | -115 51 | 1645 |
| 1522 26.6 | .68 | 44.0 | 2070.0 | 32 06 | -115 34 | 1650 |
| 1522 28.5 | 1.30 | 86.0 | 2120.0 | 32 07 | -115 28 | 1651 |
| 1522 30.6 | .38 | 24.0 | 2050.0 | 32 08 | -115 22 | 1653 |
| 1522 35.6 | 1.08 | 72.0 | 2140.0 | 32 11 | -115 06 | 1658 |
| 1522 42.5 | .39 | 27.0 | 2100.0 | 32 14 | -114 44 | 1665 |
| 1522 43.1 | .36 | 26.0 | 2290.0 | 32 15 | -114 42 | 1665 |
| 1522 50.8 | .64 | 42.0 | 2100.0 | 32 18 | -114 17 | 1673 |
| 1522 57.8 | .88 | 61.0 | 2210.0 | 32 22 | -113 59 | 1679 |
| 1523 02.9 | .25 | 16.0 | 2060.0 | 32 24 | -113 39 | 1684 |
| 1523 05.2 | .51 | 33.0 | 2060.0 | 32 25 | -113 32 | 1686 |
| 1523 12.5 | .45 | 32.0 | 2280.0 | 32 28 | -113 08 | 1693 |
| 1523 19.6 | .63 | 44.0 | 2220.0 | 32 31 | -112 46 | 1699 |
| 1523 26.8 | .78 | 49.0 | 2020.0 | 32 33 | -112 23 | 1706 |
| 1523 34.2 | .53 | 35.0 | 2120.0 | 32 36 | -112 00 | 1713 |
| 1523 41.8 | .94 | 62.0 | 2120.0 | 32 39 | -111 36 | 1720 |

Local time base cor. 9.92 (cm/sec). Data begins 1519:44.6 U. T. Data ends 1523:42.3 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2141

Date 5 March 1958 U. T.

Data Reader C. Horn

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1724 05.0 | .52 | 30.0 | 1840.0 | 33 13 | -122 40 | 2012 |
| 1724 19.3 | .45 | 26.0 | 1850.0 | 33 10 | -121 57 | 2024 |
| 1724 26.5 | .24 | 13.0 | 1740.0 | 33 09 | -121 37 | 2029 |
| 1724 34.4 | .62 | 41.0 | 2100.0 | 33 08 | -121 14 | 2035 |
| 1724 45.0 | .30 | 20.0 | 2110.0 | 33 06 | -120 42 | 2043 |
| 1725 03.2 | .52 | 33.0 | 2040.0 | 33 02 | -119 49 | 2057 |
| 1725 09.8 | .47 | 26.0 | 1790.0 | 33 00 | -119 30 | 2062 |
| 1725 11.1 | .34 | 21.0 | 1960.0 | 33 00 | -119 26 | 2063 |
| 1725 38.9 | .40 | 23.0 | 1850.0 | 32 53 | -118 05 | 2084 |
| 1725 40.0 | .43 | 26.0 | 1930.0 | 32 52 | -118 02 | 2085 |
| 1725 45.4 | .59 | 37.0 | 1730.0 | 32 51 | -117 46 | 2087 |
| 1725 47.0 | .39 | 23.0 | 1880.0 | 32 50 | -117 42 | 2090 |
| 1725 52.7 | .51 | 30.0 | 1880.0 | 32 49 | -117 25 | 2094 |
| 1726 01.2 | .51 | 30.0 | 1900.0 | 32 47 | -117 01 | 2100 |
| 1726 09.6 | .80 | 47.0 | 1870.0 | 32 44 | -116 37 | 2106 |
| 1726 16.6 | .32 | 20.0 | 1990.0 | 32 41 | -116 17 | 2111 |
| 1726 24.4 | .56 | 35.0 | 1990.0 | 32 38 | -115 54 | 2117 |
| 1726 31.3 | .85 | 49.0 | 1860.0 | 32 36 | -115 35 | 2122 |
| 1726 45.2 | .51 | 31.0 | 1940.0 | 32 31 | -114 55 | 2132 |
| 1726 53.2 | .33 | 21.0 | 2040.0 | 32 28 | -114 32 | 2137 |
| 1727 08.0 | .41 | 26.0 | 2010.0 | 32 23 | -113 51 | 2148 |
| 1727 13.1 | .45 | 26.0 | 1840.0 | 32 21 | -113 36 | 2151 |
| 1727 22.8 | .28 | 18.0 | 2060.0 | 32 16 | -113 09 | 2158 |
| 1727 29.6 | .36 | 22.0 | 1930.0 | 32 14 | -112 50 | 2162 |
| 1727 59.2 | .47 | 30.0 | 2040.0 | 32 01 | -111 27 | 2182 |
| 1728 35.1 | .34 | 22.0 | 2060.0 | 31 44 | -109 49 | 2205 |
| | | | | | | |
| | | | | | | |

Local time base cor. 9.92 (cm/sec). Data begins 1724:04.7 U. T. Data ends 1728:35.3 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2144

Date 6 March 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1409 34.2 | .59 | 1.5 | 81.4 | 25 10 | -129 12 | 1079 |
| 1409 51.2 | .95 | 3.0 | 101.0 | 25 32 | -128 17 | 1095 |
| 1409 56.1 | 1.20 | 3.0 | 80.0 | 25 39 | -128 02 | 1100 |
| 1410 03.6 | .96 | 2.5 | 83.8 | 25 48 | -127 37 | 1108 |
| 1410 05.6 | .78 | 3.0 | 123.0 | 25 51 | -127 31 | 1110 |
| 1410 12.1 | 1.07 | 2.5 | 74.7 | 25 59 | -127 10 | 1116 |
| 1410 19.3 | 1.29 | 3.0 | 74.4 | 26 07 | -126 46 | 1123 |
| 1410 26.4 | .97 | 2.5 | 82.9 | 26 16 | -126 23 | 1130 |
| 1410 28.9 | .90 | 3.0 | 107.0 | 26 19 | -126 15 | 1133 |
| 1410 34.0 | .66 | 2.5 | 121.0 | 26 25 | -125 59 | 1138 |
| 1410 36.2 | .58 | 2.0 | 110.0 | 26 28 | -125 51 | 1140 |
| 1410 39.5 | .67 | 2.5 | 120.0 | 26 32 | -125 41 | 1143 |
| 1410 42.5 | 2.82 | 12.0 | 136.0 | 26 36 | -125 31 | 1146 |
| 1410 49.6 | 3.17 | 11.5 | 116.0 | 26 44 | -125 08 | 1153 |
| 1410 56.0 | 1.18 | 4.5 | 122.0 | 26 52 | -124 47 | 1158 |
| 1410 57.9 | 1.12 | 6.0 | 171.0 | 26 54 | -124 41 | 1161 |
| 1411 03.8 | 4.47 | 19.0 | 136.0 | 27 01 | -124 22 | 1167 |
| 1411 10.7 | 1.32 | 6.0 | 145.0 | 27 09 | -123 59 | 1174 |
| 1411 12.5 | .72 | 4.0 | 178.0 | 27 11 | -123 53 | 1176 |
| 1411 17.6 | .91 | 3.0 | 106.0 | 27 17 | -123 36 | 1181 |
| 1411 25.1 | 1.45 | 7.0 | 154.0 | 27 25 | -123 12 | 1189 |
| 1411 32.7 | .83 | 4.0 | 154.0 | 27 34 | -122 47 | 1196 |
| 1411 40.0 | 1.36 | 8.0 | 188.0 | 27 42 | -122 23 | 1203 |
| 1411 47.4 | 1.07 | 7.0 | 210.0 | 27 50 | -121 58 | 1211 |
| 1411 51.0 | 1.25 | 9.0 | 230.0 | 27 54 | -121 47 | 1214 |
| 1411 54.4 | .95 | 5.0 | 169.0 | 27 58 | -121 35 | 1218 |
| 1412 01.9 | 1.35 | 7.5 | 178.0 | 28 06 | -121 11 | 1225 |
| 1412 04.0 | 1.13 | 9.5 | 268.0 | 28 08 | -121 04 | 1227 |

Local time base cor. 9.86 (cm/sec). Data begins 1409:33.9 U. T. Data ends 1415:07.4 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2144

Date 6 March 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1412 05.7 | .58 | 4.0 | 220.0 | 28 10 | -120 58 | 1229 |
| 1412 10.2 | 3.18 | 26.0 | 262.0 | 28 14 | -120 44 | 1234 |
| 1412 13.0 | .87 | 6.5 | 239.0 | 28 17 | -120 34 | 1236 |
| 1412 16.2 | 1.14 | 8.5 | 239.0 | 28 20 | -120 24 | 1240 |
| 1412 18.8 | 1.05 | 9.0 | 274.0 | 28 23 | -120 15 | 1242 |
| 1412 24.6 | 2.22 | 23.5 | 339.0 | 28 29 | -119 56 | 1248 |
| 1412 32.0 | 2.50 | 24.5 | 314.0 | 28 37 | -119 32 | 1255 |
| 1412 34.8 | 1.15 | 12.0 | 334.0 | 28 39 | -119 23 | 1258 |
| 1412 39.4 | 3.38 | 37.0 | 350.0 | 28 44 | -119 08 | 1263 |
| 1412 46.7 | 3.43 | 41.0 | 383.0 | 28 51 | -118 44 | 1270 |
| 1412 54.0 | 2.84 | 42.0 | 473.0 | 28 59 | -118 20 | 1278 |
| 1413 02.0 | 5.20 | 83.0 | 511.0 | 29 07 | -117 53 | 1286 |
| 1413 08.7 | 3.07 | 55.5 | 579.0 | 29 13 | -117 31 | 1292 |
| 1413 17.7 | 6.81 | 136.0 | 639.0 | 29 20 | -117 02 | 1301 |
| 1413 23.5 | 3.75 | 76.0 | 650.0 | 29 26 | -116 43 | 1307 |
| 1413 30.9 | 3.47 | 86.5 | 798.0 | 29 33 | -116 19 | 1315 |
| 1413 39.0 | 1.35 | 36.5 | 865.0 | 29 40 | -115 52 | 1323 |
| 1413 45.7 | 3.01 | 87.0 | 924.0 | 29 46 | -115 30 | 1329 |
| 1413 53.7 | .64 | 17.5 | 872.0 | 29 53 | -115 04 | 1337 |
| 1413 59.9 | 1.53 | 48.5 | 1010.0 | 29 59 | -114 43 | 1344 |
| 1414 08.2 | 1.36 | 41.0 | 964.0 | 30 06 | -114 16 | 1352 |
| 1414 15.6 | 1.34 | 38.5 | 919.0 | 30 11 | -113 52 | 1359 |
| 1414 21.2 | .83 | 28.0 | 1090.0 | 30 16 | -113 33 | 1365 |
| 1414 23.0 | 1.38 | 43.0 | 1000.0 | 30 17 | -113 27 | 1367 |
| 1414 30.3 | 1.25 | 38.0 | 977.0 | 30 23 | -113 03 | 1374 |
| 1414 45.3 | 1.36 | 38.0 | 895.0 | 30 35 | -112 14 | 1389 |
| 1414 59.7 | .64 | 24.0 | 1200.0 | 30 47 | -111 26 | 1403 |
| 1415 07.1 | .50 | 17.0 | 1090.0 | 30 52 | -111 02 | 1411 |

Local time base cor. 9.86 (cm/sec). Data begins 1409:33.9 U. T. Data ends 1415:07.4 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2145

Date 6 March 1958 U. T.

Data Reader D. Simanek

Data Checker C. Horn

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1614 37.5 | .80 | 50.0 | 2000.0 | 33 09 | -123 52 | 1689 |
| 1615 16.0 | .33 | 22.0 | 2110.0 | 33 16 | -121 48 | 1725 |
| 1615 35.8 | .76 | 51.0 | 2150.0 | 33 18 | -120 44 | 1743 |
| 1615 52.5 | .43 | 29.0 | 2160.0 | 33 20 | -119 51 | 1759 |
| 1616 14.6 | .54 | 35.0 | 2090.0 | 33 21 | -118 41 | 1779 |
| 1616 36.1 | .52 | 34.0 | 2090.0 | 33 22 | -117 33 | 1798 |
| 1616 50.4 | .61 | 40.0 | 2100.0 | 33 23 | -116 48 | 1811 |
| 1617 06.0 | .71 | 47.0 | 2120.0 | 33 23 | -115 59 | 1825 |
| 1617 12.6 | .42 | 28.0 | 2160.0 | 33 22 | -115 39 | 1830 |
| 1617 20.5 | .65 | 43.0 | 2130.0 | 33 22 | -115 14 | 1837 |
| 1617 27.1 | .86 | 60.0 | 2230.0 | 33 21 | -114 54 | 1843 |
| 1617 34.8 | .60 | 42.0 | 2240.0 | 33 21 | -114 30 | 1850 |
| 1617 42.7 | 1.11 | 67.0 | 1940.0 | 33 20 | -114 05 | 1857 |
| 1617 47.2 | .64 | 40.0 | 2010.0 | 33 20 | -113 51 | 1861 |
| 1617 56.7 | 1.10 | 72.0 | 2090.0 | 33 19 | -113 21 | 1869 |
| 1618 04.4 | .67 | 42.0 | 2010.0 | 33 18 | -112 58 | 1876 |
| 1618 18.7 | .71 | 47.0 | 2130.0 | 33 16 | -112 14 | 1888 |
| 1618 33.0 | .67 | 44.0 | 2100.0 | 33 13 | -111 30 | 1900 |
| 1618 40.5 | .53 | 34.0 | 2050.0 | 33 12 | -111 07 | 1906 |
| 1618 48.0 | 1.09 | 71.0 | 2080.0 | 33 11 | -110 44 | 1913 |
| 1618 55.7 | .54 | 37.0 | 2200.0 | 33 10 | -110 20 | 1919 |
| 1619 02.4 | .82 | 54.0 | 2120.0 | 33 08 | -110 00 | 1925 |
| 1619 10.0 | .51 | 33.0 | 2060.0 | 33 07 | -109 37 | 1931 |
| 1619 25.0 | .63 | 36.0 | 1830.0 | 33 03 | -108 52 | 1943 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Local time base cor. 9.90 (cm/sec). Data begins 1614:37.1 U. T. Data ends 1619:24.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2146

Date 6 March 1958 U. T.

Data Reader W. Lin

Data Checker C. Horn

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1818 28.2 | .42 | 22.0 | 1710.0 | 31 14 | -124 54 | 2141 |
| 1819 12.4 | .54 | 25.0 | 1290.0 | 30 48 | -122 54 | 2172 |
| 1819 19.8 | 1.29 | 60.0 | 1490.0 | 30 44 | -122 34 | 2176 |
| 1819 27.5 | .45 | 22.0 | 1340.0 | 30 39 | -122 14 | 2181 |
| 1819 49.7 | .79 | 37.0 | 1590.0 | 30 25 | -121 14 | 2196 |
| 1820 04.3 | .75 | 37.0 | 1580.0 | 30 16 | -120 36 | 2206 |
| 1820 19.2 | .91 | 44.0 | 1550.0 | 30 06 | -119 47 | 2215 |
| 1820 33.2 | .29 | 14.0 | 1530.0 | 29 56 | -119 10 | 2224 |
| 1821 17.8 | .48 | 26.0 | 1750.0 | 29 25 | -117 25 | 2251 |
| 1821 29.7 | .44 | 23.0 | 1670.0 | 29 09 | -116 29 | 2264 |
| 1821 46.9 | .87 | 40.0 | 1470.0 | 29 04 | -116 10 | 2268 |
| 1822 01.5 | .17 | 8.0 | 1540.0 | 28 53 | -115 33 | 2277 |

Local time base cor. 9.92 (cm/sec). Data begins 1818:28.0 U. T. Data ends 1822:01.6 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2147

Date 7 March 1958 U. T.

Data Reader C. Horn

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1305 09.7 | 4.45 | 8.5 | 61.1 | 26 04 | -115 42 | 1016 |
| 1305 18.2 | 5.80 | 9.5 | 52.4 | 26 14 | -115 14 | 1024 |
| 1305 32.2 | 4.70 | 7.0 | 47.7 | 26 32 | -114 27 | 1038 |
| 1305 39.7 | 3.50 | 6.0 | 54.9 | 26 41 | -114 01 | 1045 |
| 1306 17.7 | 1.25 | 2.5 | 64.0 | 27 26 | -111 53 | 1082 |
| 1306 25.0 | 1.05 | 2.5 | 76.2 | 27 34 | -111 29 | 1089 |
| 1306 47.1 | 1.10 | 3.5 | 10.2 | 27 59 | -110 14 | 1111 |

Local time base cor. 2.48 (cm/sec). Data begins 1305:07.5 U. T. Data ends 1306:47.6 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2148

Date 7 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1505 21.1 | .41 | 13.0 | 1020.0 | 31 29 | -125 40 | 1342 |
| 1505 30.8 | .64 | 30.0 | 1500.0 | 31 36 | -125 07 | 1351 |
| 1505 38.0 | .49 | 24.0 | 1570.0 | 31 40 | -124 43 | 1359 |
| 1505 43.3 | 1.03 | 42.0 | 1300.0 | 31 43 | -124 25 | 1364 |
| 1505 45.2 | 1.13 | 60.0 | 1700.0 | 31 45 | -124 18 | 1366 |
| 1505 50.6 | 1.04 | 43.0 | 1330.0 | 31 48 | -124 00 | 1371 |
| 1505 52.8 | 1.51 | 83.0 | 1760.0 | 31 49 | -123 52 | 1373 |
| 1505 58.0 | .66 | 29.0 | 1410.0 | 31 53 | -123 35 | 1379 |
| 1505 59.8 | 1.19 | 66.0 | 1780.0 | 31 54 | -123 29 | 1380 |
| 1506 05.0 | .94 | 43.0 | 1460.0 | 31 57 | -123 11 | 1386 |
| 1506 07.4 | .90 | 49.0 | 1740.0 | 31 58 | -123 03 | 1388 |
| 1506 12.6 | 1.23 | 57.0 | 1480.0 | 32 01 | -122 45 | 1393 |
| 1506 14.6 | 1.06 | 60.0 | 1800.0 | 32 02 | -122 38 | 1395 |
| 1506 19.9 | 1.12 | 52.0 | 1490.0 | 32 04 | -122 20 | 1400 |
| 1506 25.5 | .90 | 50.0 | 1790.0 | 32 07 | -122 01 | 1406 |
| 1506 27.1 | 1.11 | 50.0 | 1440.0 | 32 08 | -121 56 | 1408 |
| 1506 29.2 | 1.30 | 76.0 | 1870.0 | 32 09 | -121 49 | 1410 |
| 1506 34.3 | 1.21 | 60.0 | 1590.0 | 32 12 | -121 31 | 1415 |
| 1506 36.6 | 1.25 | 72.0 | 1840.0 | 32 13 | -121 24 | 1417 |
| 1506 41.9 | 1.01 | 48.0 | 1510.0 | 32 16 | -121 06 | 1422 |
| 1506 43.9 | 1.30 | 77.0 | 1900.0 | 32 17 | -120 59 | 1424 |
| 1506 49.1 | 1.05 | 52.0 | 1600.0 | 32 19 | -120 41 | 1429 |
| 1506 52.0 | 2.82 | 149.0 | 1690.0 | 32 21 | -120 31 | 1432 |
| 1506 56.4 | 1.07 | 52.0 | 1560.0 | 32 23 | -120 16 | 1437 |
| 1506 59.1 | 2.92 | 167.0 | 1830.0 | 32 25 | -120 07 | 1439 |
| 1507 03.8 | 1.17 | 59.0 | 1610.0 | 32 27 | -119 51 | 1444 |
| 1507 05.8 | 1.25 | 75.0 | 1920.0 | 32 27 | -119 44 | 1446 |
| 1507 11.0 | .97 | 48.0 | 1580.0 | 32 29 | -119 27 | 1451 |

Local time base cor. 9.94 (cm/sec). Data begins 1505:20.9 U. T. Data ends 1510:44.0 U. T.

Remarks Rate tumble modulated. Page 1 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2148

Date 7 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1507 13.7 | 2.00 | 110.0 | 1760.0 | 32 30 | -119 18 | 1454 |
| 1507 16.6 | .96 | 53.0 | 1770.0 | 32 32 | -119 09 | 1457 |
| 1507 18.4 | .78 | 38.0 | 1560.0 | 32 32 | -119 02 | 1458 |
| 1507 20.6 | 1.07 | 62.0 | 1850.0 | 32 33 | -118 54 | 1461 |
| 1507 25.5 | 1.25 | 62.0 | 1590.0 | 32 35 | -118 38 | 1466 |
| 1507 27.8 | 1.29 | 77.0 | 1910.0 | 32 36 | -118 30 | 1468 |
| 1507 33.1 | 1.15 | 60.0 | 1670.0 | 32 38 | -118 12 | 1473 |
| 1507 35.1 | 1.04 | 64.0 | 1960.0 | 32 39 | -118 05 | 1475 |
| 1507 40.4 | .86 | 44.0 | 1630.0 | 32 41 | -117 47 | 1480 |
| 1507 43.0 | 2.27 | 125.0 | 1760.0 | 32 42 | -117 39 | 1483 |
| 1507 47.7 | 1.31 | 67.0 | 1630.0 | 32 44 | -117 23 | 1487 |
| 1507 50.0 | 1.26 | 73.0 | 1850.0 | 32 45 | -117 15 | 1490 |
| 1507 55.0 | 1.16 | 60.0 | 1650.0 | 32 47 | -116 58 | 1495 |
| 1507 57.8 | 2.41 | 134.0 | 1780.0 | 32 48 | -116 48 | 1497 |
| 1508 00.8 | .50 | 30.0 | 1920.0 | 32 49 | -116 38 | 1500 |
| 1508 02.4 | 1.02 | 54.0 | 1690.0 | 32 50 | -116 33 | 1502 |
| 1508 04.4 | 1.46 | 90.0 | 1970.0 | 32 50 | -116 26 | 1504 |
| 1508 10.6 | 3.50 | 200.0 | 1830.0 | 32 52 | -116 09 | 1510 |
| 1508 15.5 | .64 | 38.0 | 1900.0 | 32 53 | -115 49 | 1515 |
| 1508 17.0 | 1.06 | 55.0 | 1670.0 | 32 54 | -115 44 | 1516 |
| 1508 19.2 | 1.19 | 70.0 | 1880.0 | 32 54 | -115 36 | 1518 |
| 1508 22.5 | .94 | 55.0 | 1870.0 | 32 55 | -115 25 | 1522 |
| 1508 25.4 | 3.21 | 188.0 | 1870.0 | 32 56 | -115 15 | 1524 |
| 1508 32.8 | 3.09 | 183.0 | 1900.0 | 32 58 | -114 51 | 1532 |
| 1508 36.4 | 2.73 | 154.0 | 1810.0 | 32 59 | -114 38 | 1535 |
| 1508 40.0 | 3.29 | 189.0 | 1840.0 | 33 00 | -114 26 | 1539 |
| 1508 47.5 | 3.08 | 180.0 | 1870.0 | 33 02 | -114 01 | 1546 |
| 1508 54.6 | 3.05 | 176.0 | 1850.0 | 33 04 | -113 37 | 1553 |

Local time base cor. 9.94 (cm/sec). Data begins 1505:20.9 U. T. Data ends 1510:44.0 U. T.

Remarks Rate tumble modulated. Page 2 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2148

Date 7 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1509 02.0 | 2.80 | 177.0 | 2020.0 | 33 06 | -113 12 | 1560 |
| 1509 16.8 | 3.11 | 185.0 | 1900.0 | 33 09 | -112 23 | 1574 |
| 1509 23.0 | 1.12 | 60.0 | 1710.0 | 33 11 | -112 03 | 1580 |
| 1509 25.0 | .57 | 35.0 | 1960.0 | 33 11 | -111 56 | 1582 |
| 1509 31.5 | 2.48 | 145.0 | 1870.0 | 33 12 | -111 35 | 1589 |
| 1509 38.7 | 2.30 | 137.0 | 1910.0 | 33 14 | -111 11 | 1596 |
| 1509 45.2 | 1.15 | 66.0 | 1840.0 | 33 15 | -110 49 | 1602 |
| 1509 47.2 | 1.19 | 70.0 | 1890.0 | 33 15 | -110 42 | 1604 |
| 1509 54.1 | 1.44 | 90.0 | 2010.0 | 33 17 | -110 02 | 1610 |
| 1510 00.2 | 1.56 | 90.0 | 1850.0 | 33 18 | -109 59 | 1616 |
| 1510 06.9 | 1.12 | 59.0 | 1690.0 | 33 19 | -109 37 | 1623 |
| 1510 09.0 | 1.08 | 62.0 | 1850.0 | 33 19 | -109 30 | 1625 |
| 1510 16.0 | 1.27 | 80.0 | 2020.0 | 33 19 | -109 07 | 1631 |
| 1510 28.9 | .55 | 34.0 | 1970.0 | 33 20 | -108 25 | 1644 |
| 1510 43.9 | .20 | 12.0 | 1900.0 | 33 22 | -107 36 | 1658 |

Local time base cor. 9.94 (cm/sec). Data begins 1505:20.9 U. T. Data ends 1510:44.0 U. T.

Remarks Rate tumble modulated. Page 3 of 3.

# SATELLITE 1958 ALPHA

Station EQV

Record No. 2149

Date 7 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1710 07.4 | .87 | 53.0 | 1950.0 | 32 33 | -121 23 | 1909 |
| 1710 29.2 | 1.46 | 88.0 | 1940.0 | 32 24 | -120 18 | 1928 |
| 1710 36.3 | .80 | 47.0 | 1880.0 | 32 21 | -119 57 | 1933 |
| 1710 44.4 | .93 | 57.0 | 1960.0 | 32 17 | -119 33 | 1940 |
| 1710 51.2 | .78 | 48.0 | 1970.0 | 32 15 | -119 13 | 1946 |
| 1711 06.2 | .53 | 31.0 | 1870.0 | 32 08 | -118 29 | 1958 |
| 1711 13.0 | 1.82 | 108.0 | 1900.0 | 32 05 | -118 09 | 1964 |
| 1711 20.5 | 2.15 | 131.0 | 1950.0 | 32 01 | -117 47 | 1970 |
| 1711 27.8 | 1.46 | 88.0 | 1940.0 | 31 58 | -117 26 | 1976 |
| 1711 35.6 | 1.38 | 81.0 | 1880.0 | 31 54 | -117 03 | 1982 |
| 1711 42.4 | 1.44 | 86.0 | 1920.0 | 31 51 | -116 43 | 1987 |
| 1711 50.4 | 1.45 | 89.0 | 1960.0 | 31 47 | -116 20 | 1994 |
| 1711 57.3 | .88 | 52.0 | 1890.0 | 31 43 | -116 00 | 1999 |
| 1712 04.8 | 1.14 | 67.0 | 1890.0 | 31 39 | -115 38 | 2005 |
| 1712 11.8 | .81 | 50.0 | 1980.0 | 31 36 | -115 19 | 2011 |
| 1712 26.3 | 1.11 | 64.0 | 1850.0 | 31 28 | -114 37 | 2022 |
| 1712 29.9 | .77 | 46.0 | 1910.0 | 31 26 | -114 27 | 2025 |
| 1712 41.6 | .61 | 38.0 | 1990.0 | 31 19 | -113 54 | 2034 |
| 1712 48.5 | .34 | 21.0 | 1950.0 | 31 15 | -113 35 | 2039 |

Local time base cor. 9.92 (cm/sec). Data begins 1710:07.0 U. T. Data ends 1712:48.6 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4002

Date 1 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1452 47.7 | 44.00 | .5 | .4 | 7 21 | - 1 44 | 1682 |
| 1453 24.6 | 29.50 | 1.0 | 1.1 | 8 19 | - 21 | 1646 |
| 1453 55.3 | 31.25 | 2.5 | 2.6 | 9 08 | 49 | 1617 |
| 1454 16.0 | 10.20 | 1.5 | 4.7 | 9 41 | 1 37 | 1597 |
| 1454 27.0 | 9.60 | 1.0 | 3.3 | 9 58 | 2 03 | 1586 |
| 1454 40.3 | 17.00 | 3.0 | 5.7 | 10 19 | 2 34 | 1573 |
| 1455 04.3 | 13.10 | 3.0 | 7.3 | 10 58 | 3 30 | 1550 |
| 1455 16.6 | 13.40 | 5.5 | 13.1 | 11 18 | 4 00 | 1538 |
| 1455 44.1 | 1.55 | 2.0 | 41.3 | 12 02 | 5 06 | 1511 |
| 1455 51.2 | 1.30 | 3.0 | 73.8 | 12 13 | 5 23 | 1504 |

Local time base cor. 0.983 (cm/sec). Data begins 1452:25.7 U. T. Data ends 1455:51.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4004

Date: 2 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0108 28.3 | 10.80 | 8.5 | 25.2 | 5 22 | 2 35 | 598 |
| 0108 39.6 | 12.10 | 9.5 | 25.1 | 4 58 | 3 10 | 605 |
| 0108 51.6 | 11.80 | 8.5 | 23.1 | 4 32 | 3 46 | 614 |
| 0109 03.2 | 11.50 | 8.5 | 23.7 | 4 07 | 4 22 | 622 |
| 0109 14.8 | 11.75 | 9.0 | 24.5 | 3 43 | 4 56 | 631 |
| 0109 34.8 | 11.75 | 10.0 | 27.2 | 3 00 | 5 56 | 646 |

Local time base cor. 0.99 (cm/sec). Data begins 0108:22.9 U. T. Data ends 0109:40.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: W. Lin

Record No.: 4007

Data Checker: H. E. Lin

Date: 2 Feb. 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1350:41.6 | 66.50 | < .5 | < .241 | 8 10 | 10 04 | 1770 |

Local time base cor. .980 (cm/sec). Data begins 1350:08.3 U. T. Data ends 1351:14.8 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4009

Date: 3 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0003 40.3 | 11.80 | 9.5 | 25.8 | 11 12 | 4 28 | 448 |
| 0003 51.9 | 11.60 | 9.0 | 24.8 | 10 47 | 5 06 | 454 |
| 0004 02.9 | 10.60 | 9.0 | 27.2 | 10 24 | 5 42 | 459 |
| 0004 14.2 | 11.80 | 9.5 | 25.8 | 9 59 | 6 19 | 464 |
| 0004 25.6 | 11.24 | 9.0 | 25.6 | 9 35 | 6 56 | 470 |
| 0004 36.8 | 11.12 | 9.0 | 25.9 | 9 10 | 7 32 | 476 |

Local time base cor. 0.986 (cm/sec). Data begins 0003:34.4 U. T. Data ends 0004:42.4 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: W. Lin

Record No.: 4011

Data Checker: H. E. Lin

Date: 3 Feb. 1958 U. T.

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1241:50.3 | 232.50 | < .5 | < .0696 | - 0 48 | 08 28 | 2173 |

Local time base cor. .981 (cm/sec). Data begins 1239:54.0 U. T. Data ends 1243:46.5 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: W. Lin

Record No.: 4012

Data Checker: H. E. Lin

Date: 3 Feb. 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1446:56.9 | 142.40 | < .5 | < 0.112 | 11 33 | - 03 28 | 1775 |
| 1446 41.8 | 55.60 | .5 | .3 | 14 10 | - 33 | 1678 |
| 1447 15.6 | 12.00 | .5 | 1.3 | 15 00 | 1 54 | 1645 |
| 1447 24.2 | 5.20 | .5 | 3.1 | 15 13 | 2 14 | 1637 |
| 1447 32.8 | 11.80 | .5 | 1.4 | 15 26 | 2 35 | 1629 |
| 1447 41.5 | 5.80 | .5 | 2.8 | 15 39 | 2 56 | 1620 |
| 1447 48.5 | 8.20 | .5 | 2.0 | 15 49 | 3 13 | 1614 |
| 1447 53.7 | 2.10 | .5 | 7.6 | 15 57 | 3 26 | 1609 |
| 1448 03.0 | 16.50 | .5 | 1.0 | 16 10 | 3 48 | 1600 |
| 1448 12.9 | 3.00 | .5 | 5.3 | 16 25 | 4 13 | 1590 |
| 1448 16.3 | 4.10 | .5 | 3.9 | 16 30 | 4 21 | 1587 |
| 1448 20.0 | 3.40 | 1.0 | 9.4 | 16 36 | 4 31 | 1583 |
| 1448 24.2 | 5.00 | .5 | 3.2 | 16 42 | 4 41 | 1579 |

Local time base cor. 0.984 (cm/sec). Data begins 1443:45.7 U. T. Data ends 1448:26.7 U. T.

Remarks: Data is questionable, due to noise.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4017

Date 4 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2354 54.3 | 10.70 | 9.5 | 28.4 | 9 35 | - 1 10 | 394 |
| 2355 08.3 | 10.15 | 9.0 | 28.4 | 9 04 | - 24 | 398 |
| 2355 27.5 | 9.20 | 9.5 | 33.0 | 8 21 | 39 | 405 |
| 2355 37.4 | 10.30 | 10.0 | 31.1 | 7 59 | 1 12 | 408 |
| 2355 47.6 | 10.38 | 9.0 | 27.8 | 7 36 | 1 45 | 412 |
| 2355 58.0 | 10.44 | 9.0 | 27.6 | 7 13 | 2 19 | 415 |
| 2356 08.0 | 9.60 | 9.0 | 30.0 | 6 51 | 2 52 | 419 |
| 2356 17.4 | 9.40 | 8.0 | 27.2 | 6 30 | 3 22 | 423 |
| 2356 27.0 | 9.50 | 9.0 | 30.3 | 6 09 | 3 53 | 427 |
| 2356 36.5 | 9.80 | 9.0 | 29.4 | 5 47 | 4 23 | 431 |
| 2356 46.1 | 9.58 | 9.0 | 30.1 | 5 26 | 4 54 | 435 |
| 2356 55.4 | 8.68 | 8.0 | 29.5 | 5 05 | 5 24 | 439 |
| 2357 04.5 | 9.94 | 8.0 | 25.8 | 4 45 | 5 53 | 469 |

Local time base cor. 0.98 (cm/sec). Data begins 2354:48.9 U. T. Data ends 2357:09.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: W. Lin

Record No.: 4018

Data Checker: H. E. Lin

Date: 5 Feb. 1958 U. T.

Data Quality: C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1232:45.5 | 538.70 | < .5 | < .0297 | 02 43 | 05 50 | 2264 |

Local time base cor. .981 (cm/sec). Data begins 1228:16.1 U. T. Data ends 1237:14.8 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: H. E. Lin

Record No.: 4019

Data Checker: W. Lin

Date: 5 Feb. 1958 U. T.

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1436:12.5 | 306.70 | < .5 | < .0522 | 15 03 | - 05 33 | 1885 |

Local time base cor. .98 (cm/sec). Data begins 1433:39.1 U. T. Data ends 1438:45.8 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4021

Date: 5 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: W. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2250 37.7 | 2.10 | 3.0 | 45.7 | 13 44 | 3 13 | 359 |
| 2250 44.6 | 1.00 | 1.0 | 32.0 | 13 29 | 3 37 | 359 |
| 2250 55.2 | 7.60 | 8.5 | 35.8 | 13 06 | 4 13 | 359 |
| 2251 05.7 | 1.00 | 1.0 | 32.0 | 12 43 | 4 49 | 360 |
| 2251 14.0 | 3.55 | 4.0 | 36.1 | 12 25 | 5 18 | 361 |
| 2251 18.5 | 1.30 | 1.5 | 36.9 | 12 15 | 5 33 | 362 |
| 2251 26.3 | 1.20 | 1.0 | 26.7 | 11 58 | 6 00 | 363 |
| 2251 33.5 | 1.40 | 1.5 | 34.3 | 11 42 | 6 24 | 364 |
| 2252 03.8 | 7.10 | 7.0 | 31.5 | 10 36 | 8 08 | 368 |

Local time base cor. 0.992 (cm/sec). Data begins 2250:36.7 U. T. Data ends 2252:07.4 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: D. Simanek

Record No.: 4024

Data Checker: H. E. Lin

Date: 6 Feb. 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1330:10.8 | 568.50 | < .5 | < .0281 | 11 02 | - 00 55 | 2130 |

Local time base cor. .986 (cm/sec). Data begins 1325:26.5 U. T. Data ends 1334:55.0 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4027

Date 6 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker D. Simanek

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2347 55.0 | 7.00 | 7.0 | 32.0 | 2 48 | 55 | 394 |
| 2348 46.4 | 11.80 | 11.5 | 31.2 | 50 | 3 39 | 411 |
| 2349 16.2 | 7.00 | 7.0 | 32.0 | - 18 | 5 15 | 422 |

Local time base cor. .995 (cm/sec). Data begins 2347:51.5 U. T. Data ends 2349:19.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4028

Date 7 Feb. 1958 U. T.

Data Reader D. Simanek

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1224:03.0 | 187.00 | < .5 | < .0856 | 07 14 | 04 30 | 2325 |

Local time base cor. .970 (cm/sec). Data begins 1222:29.5 U. T. Data ends 1225:36.5 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Data Reader S. Yoshida

Record No. 4032

Data Checker W. Lin

Date 7 Feb. 1958 U. T.

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2241 42.8 | 2.30 | 3.0 | 41.7 | 11 13 | - 47 | 359 |
| 2241 53.4 | 10.67 | 11.5 | 34.5 | 10 50 | - 11 | 358 |
| 2242 04.2 | 10.82 | 12.0 | 35.5 | 10 26 | 25 | 357 |
| 2242 14.8 | 9.70 | 10.0 | 33.0 | 10 02 | 1 01 | 357 |
| 2242 24.7 | 10.80 | 12.5 | 37.0 | 9 40 | 1 34 | 357 |
| 2242 35.3 | 10.47 | 9.5 | 29.0 | 9 16 | 2 09 | 356 |
| 2242 46.1 | 11.31 | 12.5 | 35.4 | 8 52 | 2 45 | 356 |
| 2242 56.7 | 9.78 | 9.5 | 31.2 | 8 28 | 3 21 | 356 |
| 2243 07.0 | 10.69 | 11.0 | 32.9 | 8 05 | 3 55 | 356 |
| 2243 17.9 | 11.21 | 12.0 | 34.3 | 7 40 | 4 31 | 357 |
| 2243 28.5 | 10.30 | 10.0 | 31.1 | 7 16 | 5 07 | 357 |
| 2243 39.1 | 11.10 | 11.0 | 31.7 | 6 52 | 5 42 | 358 |
| 2243 50.1 | 10.65 | 11.5 | 34.6 | 6 27 | 6 18 | 359 |
| 2244 02.5 | 9.30 | 8.5 | 29.4 | 5 58 | 6 59 | 359 |

Local time base cor. 0.992 (cm/sec). Data begins 2241:41.6 U. T. Data ends 2244:07.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4036

Date 8 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2137 22.5 | 7.20 | 8.5 | 37.8 | 15 01 | 3 47 | 396 |
| 2137 43.5 | 7.39 | 8.5 | 36.8 | 14 17 | 4 59 | 390 |
| 2137 52.4 | 10.25 | 12.0 | 37.5 | 13 58 | 5 30 | 387 |
| 2138 02.0 | 9.14 | 10.5 | 36.8 | 13 38 | 6 03 | 384 |
| 2138 20.4 | 10.99 | 12.5 | 28.1 | 12 58 | 7 06 | 380 |

Local time base cor. 0.987 (cm/sec). Data begins 2137:18.9 U. T. Data ends 2138:25.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4041

Date: 9 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: W. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2233 41.8 | 9.20 | 9.5 | 33.0 | 5 22 | 6 | 362 |
| 2233 50.5 | 8.40 | 9.0 | 34.3 | 5 02 | 35 | 361 |
| 2234 00.0 | 10.80 | 11.0 | 32.6 | 4 40 | 1 06 | 360 |
| 2234 10.7 | 10.40 | 10.5 | 32.3 | 4 15 | 1 41 | 360 |
| 2234 21.6 | 11.45 | 11.0 | 30.7 | 3 50 | 2 17 | 359 |
| 2234 32.9 | 11.04 | 10.5 | 30.4 | 3 24 | 2 54 | 359 |
| 2234 43.8 | 10.80 | 11.5 | 34.1 | 2 59 | 3 30 | 358 |
| 2235 06.5 | 7.60 | 7.5 | 31.6 | 2 06 | 4 44 | 358 |
| 2235 23.6 | 1.60 | 1.5 | 30.0 | 1 27 | 5 40 | 358 |
| 2235 32.8 | 7.69 | 7.0 | 29.1 | 1 06 | 6 10 | 358 |

Local time base cor. 0.98 (cm/sec). Data begins 2233:37.2 U. T. Data ends 2235:36.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4046

Date 10 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2127 21.5 | 10.89 | 11.0 | 32.3 | 13 09 | - 56 | 447 |
| 2127 31.5 | 9.25 | 10.0 | 34.6 | 12 48 | - 22 | 443 |
| 2127 41.7 | 11.00 | 12.0 | 34.9 | 12 27 | 12 | 438 |
| 2127 52.7 | 11.20 | 12.0 | 34.3 | 12 03 | 49 | 433 |
| 2128 04.3 | 11.70 | 12.0 | 32.8 | 11 39 | 1 27 | 428 |
| 2128 16.0 | 11.45 | 13.0 | 36.3 | 11 13 | 2 06 | 424 |
| 2128 27.5 | 11.65 | 12.5 | 34.3 | 10 48 | 2 44 | 419 |
| 2128 39.2 | 11.95 | 13.0 | 34.8 | 10 23 | 3 23 | 415 |
| 2128 51.0 | 11.85 | 11.0 | 29.7 | 9 58 | 4 02 | 411 |
| 2129 03.1 | 12.10 | 13.0 | 34.4 | 9 31 | 4 42 | 406 |
| 2129 15.0 | 11.50 | 12.5 | 34.8 | 9 04 | 5 21 | 402 |
| 2129 26.9 | 12.02 | 12.5 | 33.3 | 8 38 | 6 00 | 399 |
| 2129 38.1 | 10.71 | 12.0 | 35.9 | 8 13 | 6 37 | 395 |
| 2129 48.6 | 10.50 | 11.0 | 33.5 | 7 49 | 7 12 | 392 |
| 2129 57.5 | 7.40 | 7.0 | 30.3 | 7 30 | 7 41 | 389 |
| 2130 24.8 | 8.32 | 9.0 | 34.6 | 6 28 | 9 10 | 383 |

Local time base cor. 0.985 (cm/sec). Data begins 2127:16.1 U. T. Data ends 2130:29.0 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4047

Date 11 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0956:57.0 | 330.8 | < .5 | < .0484 | - 01 38 | 07 14 | 2525 |

Local time base cor. 1.01 (cm/sec). Data begins 0954:11.6 U. T. Data ends 0959:42.4 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4048

Date 11 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1204:21.5 | 360.80 | < .5 | < .0443 | 14 50 | 01 08 | 2441 |

Local time base cor. 1.01 (cm/sec). Data begins 1201:21.1 U. T. Data ends 1207:21.9 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4051

Date 11 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2022 05.0 | 12.30 | 13.0 | 33.8 | 17 49 | 1 59 | 578 |
| 2022 52.1 | 7.90 | 8.5 | 34.4 | 16 18 | 4 37 | 547 |
| 2023 19.4 | 10.05 | 11.5 | 36.6 | 15 24 | 6 09 | 530 |

Local time base cor. 0.99 (cm/sec). Data begins 2021:58.8 U. T. Data ends 2023:24.4 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4060

Date 13 Feb. 1958 U. T.

Data Reader D. Simanek

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0945:28.5 | 438.00 | < .5 | < .0365 | 01 10 | 04 57 | 2481 |

Local time base cor. .985 (cm/sec). Data begins 0942:04.5 U. T. Data ends 0949:22.5 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4061

Date: 13 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1150:41.1 | 222.20 | < .5 | < .0720 | 14 43 | - 06 03 | 2521 |

Local time base cor. .985 (cm/sec). Data begins 1148:50.0 U. T. Data ends 1152:32.2 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4068

Date: 14 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2109 05.8 | 3.70 | 3.5 | 30.3 | 4 56 | - 3 45 | 524 |
| 2109 12.5 | 4.62 | 4.0 | 27.7 | 4 41 | - 3 24 | 520 |
| 2110 27.4 | 4.80 | 4.0 | 26.7 | 1 56 | 30 | 478 |

Local time base cor. 0.982 (cm/sec). Data begins 2109:04.0 U. T. Data ends 2110:29.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4077

Date 16 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1855 44.2 | 3.50 | 19.0 | 174.0 | 15 39 | 1 42 | 932 |
| 1355 54.8 | 4.32 | 18.0 | 133.0 | 15 20 | 2 14 | 922 |
| 1856 00.8 | 4.50 | 21.0 | 149.0 | 15 10 | 2 31 | 917 |
| 1856 07.2 | 7.02 | 31.0 | 141.0 | 14 58 | 2 50 | 911 |
| 1856 08.6 | 4.45 | 17.0 | 122.0 | 14 55 | 2 54 | 910 |
| 1856 32.8 | 4.20 | 14.0 | 107.0 | 14 11 | 4 06 | 887 |
| 1856 39.4 | 4.00 | 13.0 | 104.0 | 13 59 | 4 25 | 881 |
| 1856 50.1 | 8.50 | 31.0 | 117.0 | 13 39 | 4 57 | 871 |
| 1857 03.9 | 9.80 | 21.5 | 70.2 | 13 14 | 5 38 | 859 |
| 1857 12.5 | 7.21 | 15.0 | 66.6 | 12 57 | 6 03 | 851 |
| 1857 25.3 | 10.50 | 20.5 | 62.5 | 12 33 | 6 41 | 839 |
| 1857 36.1 | 11.10 | 20.0 | 57.7 | 12 12 | 7 12 | 830 |
| 1857 46.7 | 10.10 | 20.0 | 63.4 | 11 52 | 7 44 | 820 |

Local time base cor. 0.986 (cm/sec). Data begins 1855:42.5 U. T. Data ends 1857:51.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4085

Date 17 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1951 10.5 | 4.95 | 15.5 | 100.0 | 7 19 | - 3 31 | 789 |
| 1951 15.6 | 2.15 | 7.5 | 112.0 | 7 08 | - 3 16 | 784 |
| 1951 26.0 | 9.80 | 33.5 | 109.0 | 6 47 | - 2 46 | 775 |
| 1951 40.7 | 9.65 | 28.5 | 94.5 | 6 17 | - 2 03 | 763 |
| 1951 51.0 | 10.90 | 33.0 | 96.9 | 5 56 | - 1 33 | 754 |
| 1952 01.0 | 9.20 | 26.0 | 90.4 | 5 36 | - 1 04 | 746 |
| 1952 11.1 | 10.95 | 28.0 | 81.8 | 5 15 | - 35 | 737 |
| 1952 22.1 | 11.16 | 25.0 | 71.7 | 4 52 | - 3 | 728 |
| 1952 33.7 | 11.99 | 25.0 | 66.7 | 4 28 | 31 | 719 |
| 1952 45.5 | 11.80 | 23.0 | 62.4 | 4 04 | 1 06 | 709 |
| 1952 57.4 | 11.90 | 21.0 | 56.5 | 3 39 | 1 40 | 700 |
| 1953 09.3 | 11.96 | 20.0 | 53.5 | 3 14 | 2 15 | 690 |
| 1953 21.0 | 11.60 | 17.0 | 46.9 | 2 50 | 2 50 | 681 |
| 1953 32.7 | 11.95 | 16.0 | 42.8 | 2 25 | 3 24 | 672 |
| 1953 55.2 | 10.75 | 12.5 | 37.2 | 1 38 | 4 31 | 655 |
| 1954 03.2 | 5.90 | 7.0 | 44.8 | 1 21 | 4 55 | 648 |
| 1954 17.2 | 6.78 | 7.0 | 33.0 | 51 | 5 37 | 638 |
| 1954 33.6 | 2.20 | 2.0 | 29.1 | 16 | 6 26 | 626 |

Local time base cor. 0.986 (cm/sec). Data begins 1951:08.0 U. T. Data ends 1954:34.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4087

Date: 18 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1020:09.2 | 430.50 | < .5 | < .0372 | 17 28 | - 04 14 | 2472 |

Local time base cor. .994 (cm/sec). Data begins 1016:34.0 U. T. Data ends 1023:44.5 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4091

Date 18 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1843 58.7 | .64 | 32.0 | 1600.0 | 13 42 | - 2 14 | 1073 |
| 1844 07.6 | .51 | 27.0 | 1690.0 | 13 26 | - 1 49 | 1064 |
| 1844 27.4 | .90 | 44.0 | 1560.0 | 12 51 | - 54 | 1045 |
| 1844 29.6 | .91 | 44.0 | 1550.0 | 12 47 | - 48 | 1043 |
| 1844 33.5 | 1.68 | 75.0 | 1430.0 | 12 40 | - 37 | 1040 |
| 1844 36.5 | .85 | 46.0 | 1730.0 | 12 35 | - 28 | 1037 |
| 1844 43.3 | 1.50 | 70.0 | 1490.0 | 12 23 | - 9 | 1030 |
| 1844 49.4 | 1.34 | 64.0 | 1530.0 | 12 12 | 7 | 1024 |
| 1844 52.6 | 1.21 | 50.0 | 1320.0 | 12 06 | 16 | 1021 |
| 1844 55.9 | 1.49 | 59.0 | 1270.0 | 12 00 | 26 | 1018 |
| 1844 58.0 | 1.23 | 60.0 | 1560.0 | 11 57 | 31 | 1016 |
| 1845 02.2 | 3.30 | 139.0 | 1350.0 | 11 49 | 43 | 1012 |
| 1845 04.9 | 1.42 | 69.0 | 1560.0 | 11 44 | 51 | 1009 |
| 1845 08.5 | 1.75 | 81.0 | 1480.0 | 11 37 | 1 01 | 1006 |
| 1845 11.9 | 1.80 | 77.0 | 1370.0 | 11 31 | 1 10 | 1002 |
| 1845 17.0 | 5.85 | 234.0 | 1280.0 | 11 22 | 1 24 | 997 |
| 1845 22.2 | 2.27 | 87.0 | 1230.0 | 11 12 | 1 39 | 993 |
| 1845 25.6 | 3.35 | 113.0 | 1080.0 | 11 06 | 1 48 | 989 |
| 1845 32.2 | 4.17 | 130.0 | 998.0 | 10 53 | 2 07 | 983 |
| 1845 37.0 | 1.43 | 46.0 | 1030.0 | 10 45 | 2 20 | 978 |
| 1845 39.9 | 3.32 | 89.0 | 858.0 | 10 39 | 2 28 | 976 |
| 1845 43.7 | 1.80 | 55.0 | 978.0 | 10 32 | 2 39 | 972 |
| 1845 47.3 | 3.03 | 80.0 | 845.0 | 10 25 | 2 49 | 968 |
| 1845 54.2 | 3.47 | 80.0 | 738.0 | 10 13 | 3 08 | 962 |
| 1846 00.2 | 6.70 | 145.0 | 693.0 | 10 02 | 3 25 | 956 |
| 1846 07.7 | 8.65 | 112.0 | 634.0 | 9 47 | 3 46 | 949 |
| 1846 16.3 | 10.74 | 180.0 | 536.0 | 9 30 | 4 11 | 941 |
| 1846 20.5 | 9.45 | 137.0 | 464.0 | 9 11 | 4 39 | 931 |

Local time base cor. 2.456 (cm/sec). Data begins 1843:58.4 U. T. Data ends 1848:20.5 U. T.

Remarks Page 1 of 2.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4091

Date: 18 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1846 35.5 | 8.00 | 100.0 | 400.0 | 8 54 | 5 02 | 923 |
| 1846 45.3 | 3.83 | 43.5 | 363.0 | 8 35 | 5 32 | 914 |
| 1846 51.0 | 6.22 | 63.0 | 324.0 | 8 24 | 5 48 | 909 |
| 1846 58.2 | 5.64 | 49.5 | 280.0 | 8 10 | 6 08 | 902 |
| 1847 03.3 | 2.28 | 20.0 | 280.0 | 8 01 | 6 22 | 897 |
| 1847 07.1 | 4.33 | 35.5 | 262.0 | 7 53 | 6 33 | 894 |
| 1847 13.8 | 4.25 | 31.5 | 237.0 | 7 40 | 6 52 | 888 |
| 1847 21.8 | 2.20 | 14.0 | 204.0 | 7 24 | 7 14 | 880 |
| 1847 28.7 | 2.78 | 16.5 | 190.0 | 7 11 | 7 34 | 874 |
| 1847 34.9 | 6.85 | 38.0 | 186.0 | 6 59 | 7 51 | 868 |
| 1847 42.3 | 4.90 | 25.0 | 163.0 | 6 45 | 8 12 | 862 |
| 1847 49.5 | 3.28 | 16.0 | 156.0 | 6 30 | 8 32 | 855 |
| 1847 57.3 | 2.72 | 11.5 | 135.0 | 6 15 | 8 54 | 848 |
| 1848 12.4 | 1.15 | 3.5 | 97.4 | 5 45 | 9 37 | 835 |
| 1848 19.4 | 2.10 | 6.5 | 99.1 | 5 31 | 9 57 | 828 |

Local time base cor. 2.456 (cm/sec). Data begins 1943:58.4 U. T. Data ends 1848:20.5 U. T.

Remarks: Time scale changes to 0.984 cm/sec after 1847:28.7. Page 2 of 2.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: W. Lin

Record No.: 4100

Data Checker: H. E. Lin

Date: 20 Feb. 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0600:05.4 | 141.50 | < .5 | < .113 | - 05 43 | 13 54 | 1639 |

Local time base cor. .980 (cm/sec). Data begins 0558:54.6 U. T. Data ends 0601:16.1 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4101

Date: 20 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0803:04.1 | 589.90 | < .5 | < .0271 | 07 07 | 02 08 | 2063 |

Local time base cor. .975 (cm/sec). Data begins 0758:09.2 U. T. Data ends 0807:59.1 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4105

Date 20 Feb. 1958 U. T.

Data Reader H. E. Lin

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1833 15.8 | 1.84 | 68.0 | 1180.0 | 9 02 | - 2 18 | 1140 |
| 1833 22.9 | .47 | 17.0 | 1170.0 | 8 49 | - 2 00 | 1133 |
| 1833 28.9 | .66 | 29.0 | 1410.0 | 8 38 | - 1 44 | 1127 |
| 1833 30.6 | .44 | 18.0 | 1310.0 | 8 35 | - 1 39 | 1125 |
| 1833 36.2 | 1.30 | 61.0 | 1500.0 | 8 25 | - 1 24 | 1119 |
| 1833 44.1 | 1.07 | 49.0 | 1460.0 | 8 11 | - 1 04 | 1112 |
| 1833 52.4 | 2.13 | 109.0 | 1640.0 | 7 56 | - 42 | 1103 |
| 1833 55.2 | .90 | 47.0 | 1670.0 | 7 51 | - 34 | 1101 |
| 1833 58.6 | 2.62 | 138.0 | 1690.0 | 7 46 | - 26 | 1097 |
| 1834 05.9 | 2.90 | 160.0 | 1770.0 | 7 31 | - 6 | 1090 |
| 1834 13.3 | 3.49 | 204.0 | 1870.0 | 7 17 | 13 | 1083 |
| 1834 20.1 | 3.17 | 190.0 | 1920.0 | 7 04 | 32 | 1076 |
| 1834 27.3 | 2.34 | 141.0 | 1930.0 | 6 51 | 51 | 1069 |
| 1834 30.2 | .71 | 44.0 | 1990.0 | 6 46 | 59 | 1066 |
| 1834 33.5 | .80 | 49.0 | 1970.0 | 6 39 | 1 07 | 1063 |
| 1834 35.2 | 1.63 | 115.0 | 2260.0 | 6 36 | 1 12 | 1061 |
| 1834 39.8 | 1.09 | 66.0 | 1950.0 | 6 28 | 1 24 | 1057 |
| 1834 40.9 | 1.13 | 73.0 | 2080.0 | 6 26 | 1 27 | 1056 |
| 1834 42.9 | 1.45 | 95.0 | 2100.0 | 6 22 | 1 32 | 1054 |
| 1834 45.9 | .91 | 58.0 | 2050.0 | 6 16 | 1 40 | 1051 |
| 1834 48.1 | 1.35 | 88.0 | 2090.0 | 6 12 | 1 46 | 1049 |
| 1834 49.9 | 1.27 | 83.0 | 2100.0 | 6 09 | 1 51 | 1047 |
| 1834 51.6 | .86 | 54.0 | 2000.0 | 6 06 | 1 56 | 1045 |
| 1834 56.4 | 2.98 | 197.0 | 2120.0 | 5 57 | 2 08 | 1041 |
| 1835 03.3 | 3.10 | 201.0 | 2080.0 | 5 44 | 2 26 | 1034 |
| 1835 09.7 | .76 | 51.0 | 2150.0 | 5 32 | 2 41 | 1028 |
| 1835 11.4 | 1.54 | 98.0 | 2040.0 | 5 28 | 2 45 | 1026 |
| 1835 15.8 | 2.91 | 182.0 | 2000.0 | 5 20 | 2 55 | 1022 |

Local time base cor. 0.984 (cm/sec). Data begins 1833:14.9 U. T. Data ends 1835:31.4 U. T.

Remarks Rate tumble modulated. Page 1 of 2.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: H. E. Lin

Record No.: 4105

Data Checker: W. Lin

Date: 20 Feb. 1958 U. T.

Data Quality: C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1835 18.8 | 1.39 | 91.0 | 2100.0 | 5 14 | 3 02 | 1019 |
| 1835 20.5 | .88 | 51.0 | 1850.0 | 5 11 | 3 06 | 1017 |
| 1835 22.2 | 1.02 | 67.0 | 2100.0 | 5 08 | 3 10 | 1016 |
| 1835 24.0 | 1.25 | 85.0 | 2180.0 | 5 04 | 3 14 | 1014 |
| 1835 26.0 | 1.17 | 76.0 | 2080.0 | 5 01 | 3 19 | 1012 |
| 1835 31.1 | 1.21 | 74.0 | 1970.0 | 4 51 | 3 31 | 1007 |
| 1835 33.2 | 2.13 | 131.0 | 1970.0 | 4 47 | 3 36 | 1005 |
| 1835 38.5 | 1.01 | 59.0 | 1880.0 | 4 37 | 3 48 | 1000 |
| 1835 40.4 | 1.21 | 73.0 | 1930.0 | 4 33 | 3 53 | 998 |
| 1835 43.6 | .61 | 35.0 | 1840.0 | 4 27 | 4 00 | 995 |
| 1835 47.6 | 1.16 | 68.0 | 1870.0 | 4 20 | 4 10 | 991 |
| 1835 52.8 | 1.25 | 75.0 | 1920.0 | 4 10 | 4 22 | 986 |
| 1835 54.8 | 1.28 | 74.0 | 1860.0 | 4 06 | 4 27 | 984 |
| 1835 56.4 | .45 | 23.0 | 1990.0 | 4 03 | 4 31 | 983 |
| 1835 59.6 | 1.27 | 72.0 | 1810.0 | 3 57 | 4 38 | 980 |
| 1836 01.8 | 1.01 | 54.0 | 1720.0 | 3 52 | 4 44 | 978 |
| 1836 21.6 | 1.15 | 60.0 | 1670.0 | 3 14 | 5 45 | 959 |
| 1836 23.5 | 1.09 | 54.0 | 1590.0 | 3 10 | 5 51 | 957 |
| 1836 28.6 | 1.04 | 50.0 | 1540.0 | 3 00 | 6 06 | 952 |
| 1836 31.1 | .51 | 21.0 | 1310.0 | 2 55 | 6 14 | 950 |

Local time base cor. 0.984 (cm/sec). Data begins 1933:14.9 U. T. Data ends 1935:31.4 U. T.

Remarks: Rate tumble modulated. Page 2 of 2.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4107

Date: 21 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0858:54.8 | 404.80 | < .5 | < .0395 | 15 3 | - 3 40 | 2202 |

Local time base cor. .99 (cm/sec). Data begins 0855:32.4 U. T. Data ends 0902:17.2 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: S. Yoshida

Record No.: 4111

Data Checker: W. Lin

Date: 21 Feb. 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1726 43.9 | 1.30 | 6.5 | 160.0 | 13 08 | 2 43 | 1391 |
| 1726 51.3 | 1.95 | 9.5 | 156.0 | 12 56 | 3 02 | 1384 |
| 1726 59.6 | 1.61 | 7.5 | 149.0 | 12 43 | 3 23 | 1375 |
| 1727 04.4 | 1.77 | 7.0 | 126.0 | 12 35 | 3 35 | 1371 |
| 1727 12.1 | 2.15 | 11.5 | 171.0 | 12 22 | 3 55 | 1363 |
| 1727 25.4 | 1.12 | 5.5 | 157.0 | 12 00 | 4 28 | 1350 |
| 1727 33.0 | 2.35 | 13.5 | 184.0 | 11 47 | 7 48 | 1342 |
| 1727 39.1 | 1.55 | 14.0 | 289.0 | 11 37 | 5 03 | 1336 |
| 1727 53.8 | 2.30 | 22.0 | 306.0 | 11 12 | 5 40 | 1321 |
| 1728 06.5 | 2.41 | 32.0 | 425.0 | 10 51 | 6 13 | 1308 |
| 1728 14.4 | 1.60 | 24.0 | 480.0 | 10 37 | 6 33 | 1300 |
| 1728 27.3 | 3.00 | 48.0 | 512.0 | 10 15 | 7 06 | 1287 |
| 1728 35.1 | 2.39 | 40.0 | 536.0 | 10 02 | 7 26 | 1280 |
| 1728 42.8 | 3.50 | 64.0 | 585.0 | 9 49 | 7 45 | 1272 |

Local time base cor. 2.45 (cm/sec). Data begins 1726:43.3 U. T. Data ends 1728:44.6 U. T.

Remarks: Data questionable.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4118

Date: 22 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1823:10.5 | 139.50 | < .5 | < .115 | 20 32 | 0 2 | 1149 |

Local time base cor. .985 (cm/sec). Data begins 1822:00.8 U. T. Data ends 1924:20.3 U. T.

Remarks: Counter saturated. Some interferences. Recorded at low level.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4119

Date 21 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0643:18.5 | 330.30 | < .5 | < .0484 | 5 52 | 5 4 | 1676 |

Local time base cor. 1.01 (cm/sec). Data begins 0640:33.4 U. T. Data ends 0646:03.7 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4124

Date: 23 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1712 16.2 | 151.00 | .5 | .1 | 13 30 | - 4 48 | 1649 |
| 1713 40.2 | 18.20 | .5 | .9 | 11 20 | - 1 29 | 1569 |
| 1713 55.1 | 11.00 | .5 | 1.5 | 12 57 | - 54 | 1554 |
| 1714 07.6 | 14.00 | 1.0 | 2.3 | 10 37 | - 24 | 1542 |
| 1714 19.4 | 9.65 | .5 | 1.7 | 10 18 | 4 | 1530 |
| 1714 30.1 | 12.00 | 1.5 | 4.0 | 10 00 | 30 | 1520 |
| 1714 39.8 | 7.78 | 1.0 | 4.1 | 9 45 | 53 | 1510 |
| 1714 47.2 | 6.40 | 1.0 | 5.0 | 9 33 | 1 10 | 1503 |
| 1714 56.1 | 11.20 | 3.0 | 8.6 | 9 18 | 1 32 | 1494 |
| 1715 06.8 | 10.20 | 2.5 | 7.8 | 9 01 | 1 57 | 1484 |
| 1715 13.4 | 3.20 | 1.0 | 10.0 | 8 50 | 2 13 | 1477 |
| 1715 16.5 | 2.70 | 1.5 | 17.8 | 8 45 | 2 20 | 1474 |
| 1715 20.1 | 4.60 | 1.0 | 7.0 | 8 39 | 2 29 | 1471 |
| 1715 27.3 | 9.80 | 5.0 | 16.3 | 8 27 | 2 46 | 1464 |
| 1715 38.3 | 12.05 | 5.5 | 14.6 | 8 08 | 3 12 | 1453 |
| 1715 50.2 | 11.85 | 8.0 | 21.6 | 7 48 | 3 41 | 1441 |
| 1716 01.9 | 11.70 | 9.5 | 26.0 | 7 29 | 4 09 | 1429 |
| 1716 30.0 | 6.60 | 10.5 | 50.9 | 6 41 | 5 17 | 1401 |
| 1717 09.6 | 1.20 | 4.0 | 66.7 | 5 33 | 6 52 | 1362 |
| 1717 16.8 | 1.74 | 5.5 | 101.0 | 5 21 | 7 10 | 1355 |
| 1717 30.1 | 2.21 | 10.5 | 152.0 | 4 57 | 7 42 | 1341 |
| 1717 38.5 | 4.30 | 19.0 | 141.0 | 4 43 | 8 03 | 1333 |
| 1717 45.4 | 4.32 | 19.5 | 144.0 | 4 31 | 8 19 | 1326 |
| 1717 59.3 | 1.54 | 11.0 | 229.0 | 4 06 | 8 53 | 1312 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Local time base cor. 0.98 and 2.445 (cm/sec). Data begins 1711:00.7 U. T. Data ends 1718:00.1 U. T.

Remarks: Time scale changes to 2.445 cm/sec after 1717:00.7.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4127

Date: 24 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0738:17.2 | 234.40 | < .5 | < .0683 | 13 29 | 01 46 | 1824 |

Local time base cor. 1.0 (cm/sec). Data begins 0736:20 U. T. Data ends 0740:14.4 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4131

Date: 24 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1606 40.3 | 304.60 | .5 | .1 | 14 56 | 3 52 | 1819 |
| 1609 36.0 | 46.80 | .5 | .3 | 10 33 | 10 48 | 1658 |
| 1610 04.8 | 10.80 | .5 | 1.5 | 9 48 | 11 54 | 1630 |
| 1611 05.1 | 109.80 | < .5 | < 0.1 | 08 12 | 14 12 | 1572 |

Local time base cor. 0.985 (cm/sec). Data begins 1604:08.0 U. T. Data ends 1612:00 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4132

Date 24 Feb. 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1809:20.5 | 109.90 | < .5 | < .146 | 2 04 | - 6 18 | 1367 |

Local time base cor. .987 (cm/sec). Data begins 1808:25.5 U. T. Data ends 1810:15.4 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4136

Date 25 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1701 10.6 | 69.20 | .5 | .2 | 8 03 | - 3 26 | 1692 |
| 1702 20.2 | 62.00 | .5 | .3 | 6 12 | - 49 | 1626 |

Local time base cor. 0.982 (cm/sec). Data begins 1700:36.0 U. T. Data ends 1702:51.2 U. T.

Remarks Interference.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4137

Date 26 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0521 47.8 | 1.65 | 24.0 | 465.0 | 1 19 | 3 04 | 1165 |
| 0522 02.0 | 2.25 | 31.0 | 441.0 | 1 46 | 3 40 | 1179 |
| 0522 09.5 | 2.00 | 28.0 | 448.0 | 1 59 | 3 59 | 1187 |
| 0522 16.7 | 1.80 | 22.0 | 391.0 | 2 12 | 4 17 | 1194 |
| 0522 19.5 | 1.95 | 25.0 | 410.0 | 2 17 | 4 24 | 1197 |
| 0522 23.6 | 1.68 | 20.0 | 381.0 | 2 25 | 4 34 | 1201 |
| 0522 30.7 | 1.80 | 21.0 | 373.0 | 2 38 | 4 52 | 1208 |
| 0522 37.9 | 2.72 | 32.0 | 376.0 | 2 51 | 5 10 | 1215 |
| 0522 45.7 | 2.10 | 26.0 | 396.0 | 3 05 | 5 30 | 1223 |
| 0522 52.2 | 2.18 | 25.0 | 367.0 | 3 17 | 5 46 | 1229 |
| 0522 59.1 | 2.70 | 31.0 | 367.0 | 3 29 | 6 04 | 1236 |
| 0523 03.0 | 1.65 | 18.0 | 349.0 | 3 36 | 6 14 | 1240 |
| 0523 06.6 | 2.15 | 23.0 | 342.0 | 3 43 | 6 23 | 1244 |
| 0523 20.9 | 1.85 | 16.0 | 277.0 | 4 08 | 6 58 | 1258 |
| 0523 28.4 | 2.00 | 20.0 | 320.0 | 4 22 | 7 17 | 1265 |
| 0523 35.6 | 2.05 | 16.0 | 250.0 | 4 34 | 7 35 | 1273 |
| 0523 42.7 | 1.50 | 12.0 | 256.0 | 4 47 | 7 53 | 1280 |
| 0523 50.0 | 1.90 | 14.0 | 236.0 | 5 00 | 8 11 | 1287 |
| 0523 57.1 | 1.98 | 15.0 | 242.0 | 5 13 | 8 29 | 1294 |
| 0524 11.5 | 1.25 | 9.0 | 230.0 | 5 38 | 9 04 | 1309 |
| 0524 19.3 | 1.90 | 13.0 | 219.0 | 5 52 | 9 23 | 1316 |
| 0524 40.7 | 2.00 | 11.0 | 176.0 | 6 29 | 10 16 | 1338 |

Local time base cor. 2.44 (cm/sec). Data begins 0521:47.0 U. T. Data ends 0524:41.7 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4138

Date: 26 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0728:05.6 | 187.80 | < .5 | < .0852 | 19 56 | 02 26 | 1834 |

Local time base cor. .988 (cm/sec). Data begins 0726:31.7 U. T. Data ends 0729:39.5 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4142

Date: 26 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1553:52.1 | 471.60 | < .5 | < .0339 | 11 49 | 02 15 | 1940 |

Local time base cor. .985 (cm/sec). Data begins 1549:56.3 U. T. Data ends 1557:47.9 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4145

Date: 27 Feb. 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0618:36.5 | 189.40 | < .5 | < .0845 | 13 04 | 2 01 | 1448 |

Local time base cor. .982 (cm/sec). Data begins 0617:01.8 U. T. Data ends 0620:11.2 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4148

Date 27 Feb. 1958 U. T.

Data Reader H. E. Lin

Data Checker W. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1649:49.9 | 394.10 | < .5 | < .0406 | 2 19 | - 2 13 | 1734 |

Local time base cor. 1.0 (cm/sec). Data begins 1646:32.8 U. T. Data ends 1653:06.9 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4150

Date: 28 Feb. 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0508 26.3 | 1.70 | 90.0 | 1690.0 | 3 15 | - 1 09 | 1007 |
| 0508 34.3 | 2.10 | 122.0 | 1860.0 | 3 31 | - 42 | 1014 |
| 0508 48.6 | 2.35 | 131.0 | 1780.0 | 3 58 | - 9 | 1028 |
| 0508 55.7 | 3.23 | 185.0 | 1830.0 | 4 12 | 10 | 1035 |
| 0509 03.1 | 2.85 | 160.0 | 1800.0 | 4 26 | 29 | 1042 |
| 0509 10.5 | 2.92 | 162.0 | 1780.0 | 4 40 | 49 | 1049 |
| 0509 17.7 | 3.35 | 187.0 | 1790.0 | 4 53 | 1 08 | 1056 |
| 0509 25.1 | 2.57 | 143.0 | 1780.0 | 5 07 | 1 28 | 1064 |
| 0509 32.4 | 2.67 | 147.0 | 1760.0 | 5 20 | 1 47 | 1071 |
| 0509 39.4 | 3.02 | 160.0 | 1700.0 | 5 34 | 2 05 | 1078 |
| 0509 46.7 | 3.13 | 168.0 | 1720.0 | 5 47 | 2 25 | 1084 |
| 0509 53.9 | 3.85 | 198.0 | 1650.0 | 6 01 | 2 44 | 1092 |
| 0510 02.2 | 2.24 | 116.0 | 1660.0 | 6 16 | 3 06 | 1100 |
| 0510 08.6 | 2.90 | 143.0 | 1580.0 | 6 28 | 3 23 | 1106 |
| 0510 15.7 | 3.52 | 173.0 | 1570.0 | 6 41 | 3 41 | 1113 |
| 0510 22.9 | 3.58 | 170.0 | 1520.0 | 6 54 | 4 00 | 1120 |
| 0510 31.2 | 1.98 | 89.0 | 1440.0 | 7 09 | 4 22 | 1129 |
| 0510 36.8 | 4.95 | 232.0 | 1500.0 | 7 19 | 4 36 | 1134 |
| 0510 43.9 | 1.70 | 72.0 | 1360.0 | 7 32 | 4 55 | 1141 |
| 0510 45.7 | 1.05 | 49.0 | 1490.0 | 7 36 | 5 00 | 1143 |
| 0510 52.1 | 3.30 | 139.0 | 1350.0 | 7 48 | 5 16 | 1149 |
| 0510 57.3 | 2.40 | 98.0 | 1310.0 | 7 57 | 5 30 | 1154 |
| 0511 00.2 | 1.71 | 69.0 | 1290.0 | 8 02 | 5 38 | 1157 |
| 0511 05.5 | 1.26 | 48.0 | 1220.0 | 8 12 | 5 51 | 1163 |
| 0511 07.4 | 1.52 | 62.0 | 1310.0 | 8 15 | 5 56 | 1164 |
| 0511 14.7 | 1.56 | 65.0 | 1330.0 | 8 28 | 6 15 | 1172 |
| 0511 19.8 | 1.40 | 52.0 | 1190.0 | 8 37 | 6 28 | 1177 |
| 0511 22.2 | 1.22 | 47.0 | 1230.0 | 8 41 | 6 34 | 1179 |

Local time base cor. 4.91 (cm/sec). Data begins 0508:25.4 U. T. Data ends 0511:49.9 U. T.

Remarks: Page 1 of 2.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4150

Date 28 Feb. 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0511 29.3 | 1.31 | 50.0 | 1220.0 | 8 54 | 6 53 | 1186 |
| 0511 36.4 | 1.16 | 41.0 | 1130.0 | 9 07 | 7 12 | 1193 |
| 0511 41.6 | .64 | 21.0 | 1050.0 | 9 16 | 7 25 | 1199 |
| 0511 43.3 | 1.05 | 39.0 | 1190.0 | 9 19 | 7 30 | 1200 |
| 0511 49.2 | 1.35 | 45.0 | 1070.0 | 9 30 | 7 45 | 1206 |

Local time base cor. 4.91 (cm/sec). Data begins 0508:25.4 U. T. Data ends 0511:49.9 U. T.

Remarks Page 2 of 2.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4153

Date: 28 Feb. 1958 U. T.

Data Reader: D. Simanek

Data Checker: W. Lin

Data Quality: C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1542:11.2 | 538.30 | < .5 | < .0297 | 6 25 | 3 21 | 1986 |

Local time base cor. .985 (cm/sec). Data begins 1537:42.0 U. T. Data ends 1546:40.3 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: S. Yoshida

Record No.: 4160

Data Checker: H. E. Lin

Date: 2 March 1958 U. T.

Data Quality: A

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0455 49.5 | 1.09 | 32.0 | 939.0 | 6 53 | - 2 43 | 911 |
| 0455 56.6 | 1.00 | 28.0 | 896.0 | 7 06 | - 2 23 | 917 |
| 0456 04.0 | 1.87 | 51.0 | 873.0 | 7 21 | - 2 03 | 924 |
| 0456 11.3 | 2.08 | 65.0 | 1000.0 | 7 35 | - 1 43 | 931 |
| 0456 18.7 | 2.52 | 78.0 | 990.0 | 7 49 | - 1 22 | 938 |
| 0456 25.7 | 2.66 | 88.0 | 1060.0 | 8 02 | - 1 02 | 945 |
| 0456 32.8 | 3.22 | 111.0 | 1100.0 | 8 16 | - 43 | 951 |
| 0456 39.9 | 3.71 | 139.0 | 1200.0 | 8 29 | - 23 | 958 |
| 0456 47.3 | 3.20 | 121.0 | 1210.0 | 8 44 | - 2 | 965 |
| 0456 54.3 | 2.52 | 93.0 | 1180.0 | 8 57 | 17 | 972 |
| 0457 01.7 | 2.35 | 88.0 | 1200.0 | 9 11 | 38 | 979 |
| 0457 16.7 | 3.61 | 160.0 | 1420.0 | 9 39 | 1 19 | 993 |
| 0457 23.4 | 4.48 | 204.0 | 1460.0 | 9 51 | 1 37 | 1000 |
| 0457 31.2 | 3.20 | 153.0 | 1530.0 | 10 06 | 1 59 | 1007 |
| 0457 38.4 | 3.83 | 184.0 | 1540.0 | 10 19 | 2 19 | 1014 |
| 0457 53.0 | 2.42 | 112.0 | 1480.0 | 10 46 | 2 59 | 1028 |
| 0458 00.5 | 2.70 | 135.0 | 1600.0 | 11 00 | 3 19 | 1035 |
| 0458 07.8 | 1.94 | 91.0 | 1500.0 | 11 13 | 3 39 | 1042 |

Local time base cor. 4.90 (cm/sec). Data begins 0455:49.0 U. T. Data ends 0458:08.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4163

Date 3 March 1958 U. T.

Data Reader S. Yoshida

Data Checker D. Simanek

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0349 06.9 | 2.20 | 5.5 | 80.0 | 2 38 | 2 24 | 714 |
| 0349 30.5 | 9.00 | 23.5 | 83.6 | 3 27 | 3 32 | 733 |
| 0349 38.5 | 7.35 | 20.0 | 87.1 | 3 44 | 3 56 | 740 |
| 0349 47.5 | 7.10 | 20.0 | 90.1 | 4 02 | 4 22 | 747 |
| 0350 11.5 | 4.80 | 15.0 | 100.0 | 4 51 | 5 31 | 768 |
| 0350 22.9 | 6.00 | 17.5 | 93.3 | 5 15 | 6 04 | 777 |
| 0350 33.6 | 4.90 | 18.0 | 118.0 | 5 36 | 6 35 | 787 |
| 0350 40.8 | 6.40 | 20.0 | 100.0 | 5 51 | 6 56 | 793 |
| 0350 48.2 | 5.70 | 18.0 | 101.0 | 6 06 | 7 17 | 799 |
| 0350 55.4 | 5.95 | 18.5 | 99.5 | 6 21 | 7 38 | 805 |
| 0351 03.2 | 6.05 | 21.5 | 114.0 | 6 36 | 8 00 | 812 |
| 0351 09.8 | 4.10 | 12.5 | 97.6 | 6 49 | 8 19 | 818 |
| 0351 17.5 | 2.90 | 9.5 | 105.0 | 7 04 | 8 41 | 825 |
| 0351 24.6 | 2.65 | 9.5 | 115.0 | 7 19 | 9 02 | 831 |

Local time base cor. 0.99 (cm/sec). Data begins 0349:05.8 U. T. Data ends 0351:25.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Data Reader D. Simanek

Record No. 4168

Data Checker W. Lin

Date 4 March 1958 U. T.

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1307:15.8 | 205.30 | < .5 | < .0779 | 17 0 | 3 52 | 2514 |

Local time base cor. .985 (cm/sec). Data begins 1305:33.1 U. T. Data ends 1308:58.4 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4170

Date 5 March 1958 U. T.

Data Reader S. Yoshida

Data Checker D. Simanek

Data Quality B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0335 46.0 | 4.85 | 7.0 | 46.2 | 5 20 | - 27 | 622 |
| 0335 50.5 | 10.20 | 14.0 | 43.9 | 5 32 | - 11 | 626 |
| 0336 05.4 | 12.20 | 16.0 | 42.0 | 6 03 | 34 | 637 |
| 0336 16.3 | 9.20 | 12.0 | 41.7 | 6 26 | 1 07 | 645 |
| 0336 25.6 | 10.50 | 13.0 | 39.6 | 6 45 | 1 35 | 652 |
| 0336 36.7 | 11.00 | 14.0 | 40.7 | 7 08 | 2 08 | 660 |
| 0336 48.0 | 11.00 | 14.0 | 40.7 | 7 32 | 2 42 | 669 |
| 0336 57.2 | 9.90 | 13.0 | 42.0 | 7 51 | 3 10 | 676 |
| 0337 08.5 | 10.50 | 13.0 | 39.6 | 8 14 | 3 44 | 685 |
| 0337 18.8 | 10.30 | 14.0 | 43.5 | 8 35 | 4 14 | 693 |
| 0337 29.0 | 11.10 | 15.0 | 43.2 | 8 56 | 4 45 | 701 |
| 0337 39.4 | 9.20 | 12.0 | 41.7 | 9 17 | 5 16 | 710 |
| 0337 47.9 | 7.25 | 10.0 | 44.1 | 9 34 | 5 42 | 716 |
| 0338 00.0 | 9.80 | 12.0 | 39.2 | 9 59 | 6 15 | 726 |
| 0338 17.5 | 10.60 | 14.0 | 42.3 | 10 33 | 7 11 | 741 |

Local time base cor. .985 (cm/sec). Data begins 0335:42.6 U. T. Data ends 0338:22.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4172

Date 5 March 1958 U. T.

Data Reader W. Lin

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1404:19.0 | 562.00 | < .5 | < .0285 | 06 48 | 01 33 | 2472 |

Local time base cor. .988 (cm/sec). Data begins 1359:38.0 U. T. Data ends 1409:00.0 U. T.

Remarks Counter saturated.

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4174

Date 6 March 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0229 15.7 | 1.60 | 2.0 | 40.0 | 1 33 | 5 20 | 496 |
| 0229 37.5 | 9.60 | 12.0 | 40.0 | 2 21 | 6 28 | 508 |
| 0230 16.3 | 9.25 | 12.0 | 41.5 | 3 46 | 8 28 | 531 |
| 0230 30.5 | 2.85 | 3.5 | 39.3 | 4 17 | 9 12 | 540 |

Local time base cor. 0.99 (cm/sec). Data begins 0229:16.5 U. T. Data ends 0230:31.9 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4179

Date 7 March 1958 U. T.

Data Reader S. Yoshida

Data Checker H. E. Lin

Data Quality D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0322 26.6 | 7.95 | 9.0 | 36.2 | 8 57 | - 1 58 | 559 |
| 0323 18.5 | 11.10 | 12.0 | 34.6 | 10 45 | 45 | 593 |
| 0323 29.7 | 11.60 | 14.5 | 40.0 | 11 08 | 1 21 | 601 |
| 0323 41.6 | 11.70 | 14.0 | 38.2 | 11 33 | 1 58 | 610 |
| 0323 53.3 | 10.95 | 14.0 | 40.9 | 11 57 | 2 35 | 618 |
| 0324 03.0 | 9.50 | 12.0 | 40.4 | 12 17 | 3 05 | 625 |
| 0324 17.6 | 9.70 | 11.0 | 36.3 | 12 46 | 3 51 | 636 |
| 0324 32.3 | 7.65 | 9.0 | 37.6 | 13 15 | 4 38 | 647 |
| 0324 40.2 | 8.00 | 9.5 | 38.0 | 13 31 | 5 03 | 653 |

Local time base cor. 0.985 (cm/sec). Data begins 0322:22.6 U. T. Data ends 0324:44.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4182

Date: 7 March 1958 U. T.

Data Reader: H. E. Lin

Data Checker: W. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1349:40.2 | 573.90 | < .5 | < .0279 | 3 35 | 0 19 | 2479 |

Local time base cor. .998 (cm/sec). Data begins 1344:53.3 U. T. Data ends 1354:27.2 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4184

Date: 8 March 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0215 19.5 | 11.65 | 16.0 | 43.9 | 4 05 | 2 11 | 437 |
| 0215 31.2 | 11.65 | 16.0 | 43.9 | 4 31 | 2 48 | 442 |
| 0215 42.7 | 11.72 | 16.0 | 43.7 | 4 56 | 3 25 | 447 |
| 0215 54.6 | 11.82 | 15.5 | 42.0 | 5 23 | 4 03 | 453 |
| 0216 06.0 | 10.98 | 15.0 | 43.7 | 5 48 | 4 39 | 458 |
| 0216 17.5 | 11.90 | 15.5 | 41.7 | 6 14 | 5 16 | 464 |
| 0216 29.4 | 11.80 | 15.0 | 40.7 | 6 40 | 5 54 | 470 |
| 0216 41.0 | 11.60 | 14.5 | 40.0 | 7 06 | 6 31 | 476 |
| 0216 51.0 | 7.92 | 10.5 | 42.4 | 7 28 | 7 03 | 481 |

Local time base cor. 0.99 (cm/sec). Data begins 0215:13.7 U. T. Data ends 0216:55.0 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4187

Date: 8 March 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1239:48.7 | 94.80 | < .5 | < .169 | 8 42 | 4 10 | 2525 |

Local time base cor. 1.05 (cm/sec). Data begins 1239:01.3 U. T. Data ends 1240:36.1 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: S. Yoshida

Record No.: 4189

Data Checker: H. E. Lin

Date: 9 March 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0309 20.6 | 14.20 | 17.0 | 38.3 | 13 32 | - 1 28 | 521 |
| 0309 51.2 | 8.40 | 10.0 | 38.1 | 14 34 | 12 | 540 |

Local time base cor. 0.982 (cm/sec). Data begins 0309:13.5 U. T. Data ends 0309:55.4 U. T.

Remarks: Data questionable.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: W. Lin

Record No.: 4191

Data Checker: H. E. Lin

Date: 9 March 1958 U. T.

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1128:28.7 | 469.50 | < .5 | < .0341 | 15 24 | 5 44 | 2441 |

Local time base cor. 1.0 (cm/sec). Data begins 1124:34.0 U. T. Data ends 1132:23.5 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: S. Yoshida

Record No.: 4196

Data Checker: H. E. Lin

Date: 11 March 1958 U. T.

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0053 54.6 | 1.95 | 3.5 | 57.4 | 1 54 | 3 48 | 357 |
| 0054 03.2 | 4.45 | 7.5 | 53.9 | 2 14 | 4 16 | 358 |
| 0054 13.2 | 11.48 | 18.0 | 50.2 | 2 37 | 4 49 | 358 |
| 0054 28.5 | 9.62 | 15.5 | 51.6 | 3 13 | 5 39 | 360 |
| 0054 38.6 | 4.45 | 7.5 | 53.9 | 3 36 | 6 11 | 361 |

Local time base cor. 0.976 (cm/sec). Data begins 0053:53.6 U. T. Data ends 0054:40.8 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4199

Date: 11 March 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1112:51.9 | 570.90 | < .5 | < .0281 | 12 43 | 03 50 | 2368 |

Local time base cor. 1.0 (cm/sec). Data begins 1108:06.4 U. T. Data ends 1117:37.3 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Data Reader: S. Yoshida

Record No.: 4202

Data Checker: H. E. Lin

Date: 12 March 1958 U. T.

Data Quality: D

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0146 58.2 | 1.40 | 2.0 | 45.7 | 10 18 | - 1 49 | 373 |
| 0147 15.7 | 9.42 | 13.0 | 44.9 | 10 56 | - 50 | 377 |
| 0147 25.8 | 4.60 | 6.0 | 41.7 | 11 18 | - 16 | 379 |
| 0147 55.2 | 3.48 | 5.0 | 46.0 | 12 23 | 1 23 | 386 |
| 0148 04.1 | 2.15 | 3.0 | 44.7 | 12 42 | 1 53 | 389 |
| 0148 06.3 | 1.88 | 2.5 | 42.6 | 12 46 | 2 01 | 389 |
| 0148 37.2 | 1.20 | 1.5 | 40.0 | 13 52 | 3 46 | 399 |
| 0148 39.0 | 3.00 | 4.0 | 42.7 | 13 56 | 3 52 | 400 |

Local time base cor. 0.981 (cm/sec). Data begins 0146:57.5 U. T. Data ends 0148:40.5 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4206

Date: 13 March 1958 U. T.

Data Reader: S. Yoshida

Data Checker: W. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0041 39.0 | 4.30 | 7.0 | 52.1 | 10 14 | 9 23 | 361 |
| 0041 46.9 | 8.25 | 14.0 | 54.3 | 10 32 | 9 50 | 361 |
| 0041 54.5 | 5.75 | 10.0 | 55.7 | 10 49 | 10 15 | 362 |

Local time base cor. 0.985 (cm/sec). Data begins 0041:36.8 U. T. Data ends 0041:57.4 U. T.

Remarks: Data questionable. Interference.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4210

Date: 13 March 1958 U. T.

Data Reader: S. Yoshida

Data Checker: W. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2331 32.5 | 9.95 | 18.0 | 57.9 | - 30 | 5 27 | 406 |
| 2331 45.0 | 10.50 | 21.0 | 64.0 | - 1 | 6 07 | 402 |
| 2332 11.0 | 11.00 | 19.0 | 55.3 | 58 | 7 31 | 394 |
| 2332 27.0 | 8.40 | 16.0 | 61.0 | 1 35 | 8 22 | 389 |

Local time base cor. 0.985 (cm/sec). Data begins 2331:27.5 U. T. Data ends 2332:31.2 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4214

Date: 14 March 1958 U. T.

Data Reader: W. Lin

Data Checker: H. E. Lin

Data Quality: E

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 1152:15.8 | 380.00 | < .5 | < .0421 | 0 06 | - 1 51 | 2411 |

Local time base cor. .99 (cm/sec). Data begins 1149:05.8 U. T. Data ends 1155:25.8 U. T.

Remarks: Counter saturated.

# SATELLITE 1958 ALPHA

Station: Nigeria

Record No.: 4216

Date: 15 March 1958 U. T.

Data Reader: S. Yoshida

Data Checker: H. E. Lin

Data Quality: B

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 0024 00.1 | 5.10 | 8.0 | 50.2 | 7 23 | − 1 03 | 375 |
| 0024 10.0 | 9.14 | 15.0 | 52.5 | 7 45 | − 30 | 373 |
| 0024 25.1 | 9.95 | 16.5 | 53.1 | 8 19 | 20 | 370 |
| 0024 35.0 | 9.69 | 16.0 | 52.8 | 8 41 | 53 | 368 |
| 0024 44.1 | 8.70 | 15.0 | 55.2 | 9 01 | 1 23 | 367 |
| 0024 54.0 | 10.83 | 18.0 | 53.2 | 9 24 | 1 55 | 365 |
| 0025 03.6 | 8.79 | 13.0 | 47.3 | 9 45 | 2 27 | 363 |
| 0025 12.9 | 5.30 | 8.0 | 48.3 | 10 06 | 2 59 | 362 |
| 0025 21.2 | 6.30 | 10.5 | 53.3 | 10 24 | 3 27 | 362 |
| 0025 30.8 | 10.40 | 17.0 | 52.3 | 10 45 | 3 59 | 361 |
| 0025 39.9 | 7.40 | 13.0 | 56.2 | 11 05 | 4 30 | 360 |

Local time base cor. 0.98 (cm/sec). Data begins 0023:57.5 U. T. Data ends 0025:43.6 U. T.

Remarks

# SATELLITE 1958 ALPHA

Station Nigeria

Record No. 4220

Date 15 March 1958 U. T.

Data Reader S. Yoshida

Data Checker W. Lin

Data Quality C

| Nominal Time (U.T.) | Time Interval (sec) | Count (cycles) | Rate (counts/sec) | Geographic Latitude | Geographic Longitude | Height (km) |
|---|---|---|---|---|---|---|
| 2316 05.1 | 4.10 | 8.0 | 62.4 | 2 14 | 2 58 | 453 |
| 2316 14.2 | 4.50 | 10.0 | 71.1 | 2 35 | 3 27 | 449 |
| 2316 24.2 | 10.00 | 19.0 | 60.8 | 2 57 | 3 59 | 444 |
| 2316 35.1 | 6.50 | 13.0 | 64.0 | 3 22 | 4 34 | 439 |
| 2316 42.9 | 6.94 | 14.0 | 64.6 | 3 40 | 4 59 | 436 |
| 2316 49.7 | 2.41 | 5.0 | 66.4 | 3 55 | 5 20 | 433 |
| 2316 55.9 | 6.00 | 11.0 | 58.7 | 4 09 | 5 40 | 430 |
| 2317 04.5 | 6.60 | 12.0 | 58.2 | 4 28 | 6 08 | 427 |
| 2317 13.3 | 6.38 | 13.0 | 65.2 | 4 48 | 6 36 | 423 |
| 2317 25.3 | 5.61 | 10.0 | 57.0 | 5 15 | 7 15 | 419 |
| 2317 34.3 | 5.19 | 9.5 | 58.6 | 5 35 | 7 44 | 415 |
| 2317 45.0 | 9.60 | 16.0 | 53.3 | 5 59 | 8 18 | 411 |

Local time base cor. 0.978 (cm/sec). Data begins 2316:03.0 U. T. Data ends 2317:49.8 U. T.

Remarks