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GASP Cloud- and Particle-Encounter Statistics, and Their Application to LFC Aircraft Studies

Volume II: Appendixes

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William H. Jasperson and Gregory D. Nastrom
Control Data Corporation
Minneapolis, Minnesota

Richard E. Davis
Langley Research Center
Hampton, Virginia

James D. Holdeman
Lewis Research Center
Cleveland, Ohio

National Aeronautics
and Space Administration

**Scientific and Technical
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SUMMARY

Summary statistics, tabulations, and variability studies are presented for the entire cloud observation archive - nearly 88 000 samples - from the NASA Global Atmospheric Sampling Program (GASP), which was conducted from 1975 to 1979 aboard four commercial airliners in regular service. Summary statistics, tabulations, and variability studies are also presented for GASP particle-concentration data - nearly 56 000 samples - gathered concurrently with the cloud observations. Clouds were encountered in about 15 percent of the data samples, but the probability of cloud encounter is shown to vary significantly with altitude, latitude, and distance from the tropopause, and less significantly with season. Several meteorological circulation features, such as the Intertropical Convergence Zone, are apparent in the latitudinal distribution of cloud cover. The cloud-encounter statistics are shown to be consistent with the classical mid-latitude cyclone model, with more clouds encountered in the upper troposphere in highs than in lows. Observations of clouds spaced more closely than 90 minutes of flight time are shown to be statistically dependent.

The number density of particles with a diameter greater than 3 μm also varies with time and location. It depends primarily on the horizontal extent of cloudiness, that is, the portion of each sampling interval that is spent within clouds. Thus, the variability of time in clouds and the variability of particle number density are closely related.

The summary statistics for cloud and particle encounter are utilized to estimate the frequency of cloud encounter on long-range commercial transport routes and to assess the probability and extent of laminar flow (LF) loss due to cloud or particle encounter by aircraft utilizing laminar flow control (LFC). The observations of route-averaged time in clouds are found to fit an empirical model based on a gamma probability density function; this model can be used to estimate the probability of extended cloud encounter along a route. The analysis in this report shows that the probability of LF loss in clear air is negligible and that the probability of extended cloud encounter, and associated significant loss of LF, is too low, of itself, to make LFC impractical.

For user convenience, this report is presented in two volumes. Volume I contains the narrative, analysis, and conclusions. Volume II is composed of five appendixes, as follows: A - GASP Cloud and Particle Instrumentation; B - Individual Flight Summaries; C - Independence of Cloud Observation Periods; D - Cloud-Encounter Statistics as Functions of Latitude, Longitude, Northern Hemisphere Season, and Altitude; and E - Cloud-Encounter Statistics as Functions of Latitude, Longitude, Northern Hemisphere Season, and Distance From the National Meteorological Center (NMC) Tropopause.

APPENDIX A

GASP CLOUD AND PARTICLE INSTRUMENTATION

GASP cloud and particle data were obtained with a particle counter (Royco Instruments, Inc., model number 245), which used a forward light-scattering technique to measure the number of airborne particles larger than 0.3 μm in diameter. The operation was similar to that of the unit described in reference 33 (Vol. I). As the air sample containing particles passed through the sensor, it was illuminated by a light beam, and light scattered by the particles in a forward direction was detected by a photomultiplier tube. The sensor thus operated at night as well as in day. Under normal operating conditions, each particle caused a pulse in the photomultiplier output. The particle concentration was determined by counting the number of output pulses during the counting period and then dividing that number by the corresponding sample volume flow during the same period, corrected to altitude-ambient conditions. Particle-counter volumetric flow rate was approximately 30 liters per minute and the counting period was normally 1 minute.

The particle count accumulated during the sampling period was separated (within the instrument) into five particle-diameter ranges - 0.3 to 0.45 μm, 0.45 to 0.65 μm, 0.65 to 1.4 μm, 1.4 to 3.0 μm, and >3.0 μm - based on the amplitude of the pulse. Each instrument was calibrated by the manufacturer for particle-size detection. An aerosol generator and latex particles were used at NASA Lewis Research Center to check each instrument.

The GASP particle counters had two discrete output signals to indicate proper flight operation. One of these indicated that the light source had remained on during the full counting period, and the second verified that the automatic-gain adjustment was completed prior to each counting cycle. The sample flow rate through the sensing unit was measured with a choked venturi.

During laboratory evaluation of a flight-test prototype of this instrument, it was found that the sample volume was not receiving uniform illumination. This resulted in a substantial ambiguity in the number and sizes of particles counted. (See ref. 34, Vol. I.) A detailed mapping of the sample-volume light field was not made for any of the instruments flown on GASP airliners, nor has any attempt been made to correct or normalize the data. The particle number density data reported herein are subject to variations between instruments due to differences in sample-volume illumination. These differences may be on the order of +300 percent to -70 percent (±1/2 cycle) in particle count. (See refs. 28 to 33, Vol. I.)

APPENDIX B

INDIVIDUAL FLIGHT SUMMARIES

DEP - airport of departure

ARR - airport of arrival

IM/ID/IY - date of departure (month/day/year)

Note: * following date means departure and arrival airports are reversed for the flight.

CODE: XYZ

X = Aircraft code	Y = Particle counter code	Z = Moisture sensor code
A = PANAM (N533PA)	A = #3	A = Aluminum oxide
B = PANAM (N655PA)	B = #4	B = Chilled mirror
C = UAL (N4711U)	C = #6	
D = QANTAS (VH-EBE)	D = #7	

AVFL - average flight altitude, kft

EXHI - highest flight altitude, kft

EXLO - lowest flight altitude, kft

ALAT - average latitude (positive for degrees N, negative for degrees S)

EXTN - northernmost data point (degrees latitude)

EXTS - southernmost data point (degrees latitude)

FLT TOT - includes all data on flight

IN CLR - in clear air, only observation periods with time in cloud equal to zero

NOT CLR - only observation periods with time in cloud greater than zero

NUMBER OF OBS - CLD - cloud-encounter data not missing
PD5 - cloud-encounter data not missing and particle density data present
OZ - cloud-encounter data not missing and ozone data present
H2O - cloud-encounter data not missing and water vapor data present
H2S - relative humidity equals 100 percent

APPENDIX B

AVERAGES FOR THE FLIGHT - %TIC - average percentage of time in cloud per data sample

PATCHES - average number of cloud patches per data sample

PD5 - average particle concentration or number density, if available (particles/m^3)

OZ - average ozone mixing ratio (parts per billion by volume)

RH - average relative humidity, percent

H2O - average water vapor mixing ratio (parts per million by volume)

TROP N - when available, number of observation periods in the troposphere

STRAT N - when available, number of observation periods in the stratosphere

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
AKL-AKL																		
5/24/78	ABB	324	331	268	FLT TOT:	12	12	6	4	0	0.0	0.0	.125E+02	41	33	59	12	0
		-28	-23	-36	IN CLR:	12	12	6	4	0	0.0	0.0	.125E+02	41	33	59	12	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
AKL-CPT																		
10/29/77 *	ABB	384	430	307	FLT TOT:	60	0	10	0	0	.4	.0	0.	425	0	0	9	51
		-64	-36	-88	IN CLR:	59	0	9	0	0	0.0	0.0	0.	465	0	0	8	51
					NOT CLR:	1	0	1	0	0	23.5	1.0	0.	64	0	0	1	0
AKL-HNL																		
11/13/78 *	BBB	336	351	247	FLT TOT:	90	90	58	50	5	18.7	.9	.443E+05	37	54	138	90	0
		-9	18	-36	IN CLR:	61	61	40	38	0	0.0	0.0	.406E+03	36	43	109	61	0
					NOT CLR:	29	29	18	12	5	58.0	2.9	.137E+06	39	88	229	29	0
AKL-LAX																		
5/21/78 *	ABB	373	390	275	FLT TOT:	140	140	93	70	27	0.0	0.0	.428E+01	45	70	60	140	0
		0	33	-35	IN CLR:	140	140	93	70	27	0.0	0.0	.428E+01	45	70	60	140	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/22/78	ABB	391	412	293	FLT TOT:	129	129	83	74	38	0.0	0.0	.329E+02	81	81	50	123	6
		0	32	-36	IN CLR:	129	129	83	74	38	0.0	0.0	.329E+02	81	81	50	123	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/23/78 *	ABB	374	391	273	FLT TOT:	139	139	93	60	12	.0	.0	.573E+02	53	67	65	134	5
		1	33	-35	IN CLR:	138	138	93	60	12	0.0	0.0	.575E+02	53	67	65	133	5
					NOT CLR:	1	1	0	0	0	.4	1.0	.215E+02	0	0	0	1	0
5/24/78	ABB	386	411	370	FLT TOT:	94	94	60	48	3	0.0	0.0	.631E+01	80	48	34	85	9
		7	32	-18	IN CLR:	94	94	60	48	3	0.0	0.0	.631E+01	80	48	34	85	9
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
AKL-SFO																		
1/ 1/77 *	AAA	386	410	270	FLT TOT:	140	0	91	115	36	5.4	.4	0.	64	71	40	133	7
		1	37	-35	IN CLR:	122	0	80	100	24	0.0	0.0	0.	70	67	39	115	7
					NOT CLR:	18	0	11	15	12	42.0	3.3	0.	24	99	44	18	0
2/ 4/77	AAA	377	410	278	FLT TOT:	125	125	0	104	7	11.4	.6	.104E+06	0	44	55	115	10
		1	36	-35	IN CLR:	101	101	0	84	0	0.0	0.0	.675E+02	0	34	38	91	10
					NOT CLR:	24	24	0	20	7	59.3	3.0	.540E+06	0	87	125	24	0
3/31/77 *	AAA	383	390	263	FLT TOT:	18	18	0	14	13	13.7	2.2	.106E+06	0	100	53	0	0
		-3	36	-9	IN CLR:	10	10	0	7	6	0.0	0.0	.166E+03	0	99	52	0	0
					NOT CLR:	8	8	0	7	7	30.7	4.9	.238E+06	0	100	54	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
AKL-SFO (CONT.)																		
5/ 5/77 *	AAA	376	392	239	FLT TOT:	141	141	91	0	0	6.1	.5	.188E+05	78	0	0	126	15
		1	37	-35	IN CLR:	115	115	77	0	0	0.0	0.0	.124E+03	86	0	0	100	15
					NOT CLR:	26	26	14	0	0	32.9	2.8	.101E+06	34	0	0	26	0
5/ 6/77	AAA	381	410	257	FLT TOT:	128	128	85	0	0	5.7	.5	.143E+05	127	0	0	110	18
		5	37	-35	IN CLR:	102	102	68	0	0	0.0	0.0	.275E+03	151	0	0	85	17
					NOT CLR:	26	26	17	0	0	27.9	2.7	.692E+05	34	0	0	25	1
5/19/77 *	AAA	365	391	234	FLT TOT:	58	58	31	0	0	8.8	.6	.827E+05	48	0	0	58	0
		-2	36	-36	IN CLR:	45	45	24	0	0	0.0	0.0	.365E+03	50	0	0	45	0
					NOT CLR:	13	13	7	0	0	39.3	2.5	.368E+06	36	0	0	13	0
5/20/77	AAA	368	410	318	FLT TOT:	52	52	33	0	0	11.1	.9	.256E+05	48	0	0	50	2
		-2	32	-35	IN CLR:	38	38	23	0	0	0.0	0.0	.108E+03	50	0	0	36	2
					NOT CLR:	14	14	10	0	0	41.4	3.4	.947E+05	43	0	0	14	0
5/21/77 *	AAA	376	391	337	FLT TOT:	66	66	46	0	0	3.4	.6	.649E+05	52	0	0	66	0
		-2	35	-35	IN CLR:	56	56	38	0	0	0.0	0.0	.584E+02	54	0	0	56	0
					NOT CLR:	10	10	8	0	0	22.5	3.8	.428E+06	45	0	0	10	0
6/30/77 *	ACA	370	392	240	FLT TOT:	136	0	0	0	0	12.4	0.0	0.	0	0	0	136	0
		1	37	-35	IN CLR:	103	0	0	0	0	0.0	0.0	0.	0	0	0	103	0
					NOT CLR:	33	0	0	0	0	51.0	0.0	0.	0	0	0	33	0
7/ 1/77	ACA	388	420	293	FLT TOT:	122	0	0	0	0	5.6	0.0	0.	0	0	0	122	0
		3	37	-35	IN CLR:	106	0	0	0	0	0.0	0.0	0.	0	0	0	106	0
					NOT CLR:	16	0	0	0	0	42.5	0.0	0.	0	0	0	16	0
7/ 2/77 *	ACA	367	390	270	FLT TOT:	136	0	0	0	0	8.4	0.0	0.	0	0	0	136	0
		0	36	-36	IN CLR:	103	0	0	0	0	0.0	0.0	0.	0	0	0	103	0
					NOT CLR:	33	0	0	0	0	34.5	0.0	0.	0	0	0	33	0
9/29/77 *	ABA	381	410	322	FLT TOT:	132	0	80	0	0	3.5	.4	0.	47	0	0	122	10
		2	37	-35	IN CLR:	114	0	71	0	0	0.0	0.0	0.	49	0	0	104	10
					NOT CLR:	18	0	9	0	0	25.6	3.3	0.	26	0	0	18	0
9/30/77	ABA	393	413	268	FLT TOT:	116	0	74	0	0	2.7	.2	0.	59	0	0	105	11
		2	37	-35	IN CLR:	104	0	68	0	0	0.0	0.0	0.	60	0	0	94	10
					NOT CLR:	12	0	6	0	0	26.6	1.8	0.	41	0	0	11	1
10/ 1/77 *	ABA	373	390	232	FLT TOT:	117	0	77	0	0	.7	.3	0.	59	0	0	108	9
		-1	36	-36	IN CLR:	108	0	72	0	0	0.0	0.0	0.	61	0	0	99	9
					NOT CLR:	9	0	5	0	0	8.6	3.4	0.	32	0	0	9	0
10/30/77	ABB	393	410	315	FLT TOT:	46	0	2	0	0	7.7	.7	0.	112	0	0	46	0
		0	34	-35	IN CLR:	35	0	2	0	0	0.0	0.0	0.	112	0	0	35	0
					NOT CLR:	11	0	0	0	0	32.4	2.7	0.	0	0	0	11	0
12/16/76 *	AAA	386	410	277	FLT TOT:	121	0	77	0	0	11.5	.6	0.	50	0	0	121	0
		4	37	-33	IN CLR:	84	0	51	0	0	0.0	0.0	0.	64	0	0	84	0
					NOT CLR:	37	0	26	0	0	37.6	1.9	0.	24	0	0	37	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
AKL-SFO (CONT.)																		
12/17/76	AAA	385	430	269	FLT TOT:	126	0	81	0	0	3.4	.3	0.	57	0	0	112	14
		2	37	-35	IN CLR:	110	0	71	0	0	0.0	0.0	0.	61	0	0	96	14
					NOT CLR:	16	0	10	0	0	27.2	2.6	0.	25	0	0	16	0
12/18/76 *	AAA	366	390	282	FLT TOT:	136	0	89	0	0	6.1	.5	0.	58	0	0	136	0
		1	37	-35	IN CLR:	110	0	71	0	0	0.0	0.0	0.	64	0	0	110	0
					NOT CLR:	26	0	18	0	0	32.0	2.4	0.	34	0	0	26	0
12/23/76 *	AAA	377	430	250	FLT TOT:	134	0	22	0	0	7.8	.6	0.	91	0	0	121	13
		1	37	-34	IN CLR:	112	0	21	0	0	0.0	0.0	0.	94	0	0	99	13
					NOT CLR:	22	0	1	0	0	47.3	3.4	0.	18	0	0	22	0
12/24/76	AAA	387	410	330	FLT TOT:	116	0	74	0	0	8.8	.8	0.	45	0	0	116	0
		6	37	-34	IN CLR:	81	0	53	0	0	0.0	0.0	0.	49	0	0	81	0
					NOT CLR:	35	0	21	0	0	29.3	2.6	0.	35	0	0	35	0
12/25/76 *	AAA	391	450	235	FLT TOT:	141	0	93	0	0	7.7	.7	0.	63	0	0	141	0
		0	37	-35	IN CLR:	100	0	65	0	0	0.0	0.0	0.	66	0	0	100	0
					NOT CLR:	41	0	28	0	0	26.3	2.4	0.	57	0	0	41	0
12/30/76 *	AAA	379	414	259	FLT TOT:	145	0	97	115	3	12.1	.7	0.	63	54	35	140	5
		1	37	-35	IN CLR:	102	0	68	79	1	0.0	0.0	0.	73	48	32	97	5
					NOT CLR:	43	0	29	36	2	40.7	2.4	0.	39	68	41	43	0
12/31/76	AAA	385	412	197	FLT TOT:	131	0	14	19	0	8.3	.4	0.	80	72	71	121	10
		2	37	-35	IN CLR:	106	0	13	18	0	0.0	0.0	0.	80	71	71	96	10
					NOT CLR:	25	0	1	1	0	43.2	2.1	0.	82	96	78	25	0
AKL-SYD																		
1/ 1/77	AAA	416	437	276	FLT TOT:	17	0	5	0	0	0.0	0.0	0.	176	0	0	17	0
		-36	-34	-37	IN CLR:	17	0	5	0	0	0.0	0.0	0.	176	0	0	17	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 3/77	AAA	386	390	326	FLT TOT:	27	27	0	22	5	.2	.1	.123E+01	0	90	28	27	0
		-36	-34	-37	IN CLR:	26	26	0	21	4	0.0	0.0	.128E+01	0	90	28	26	0
					NOT CLR:	1	1	0	1	1	6.3	3.0	0.	0	100	26	1	0
2/ 4/77 *	AAA	396	410	213	FLT TOT:	25	25	0	20	8	1.3	.2	.254E+04	0	90	85	17	8
		-36	-34	-37	IN CLR:	22	22	0	18	8	0.0	0.0	0.	0	91	22	14	8
					NOT CLR:	3	3	0	2	0	10.6	2.0	.211E+05	0	88	649	3	0
2/ 6/77 *	DDA	323	330	248	FLT TOT:	23	23	16	0	0	3.4	.7	.139E+05	65	0	0	23	0
		-36	-34	-37	IN CLR:	18	18	14	0	0	0.0	0.0	.161E+02	69	0	0	18	0
					NOT CLR:	5	5	2	0	0	15.6	3.0	.637E+05	43	0	0	5	0
2/ 6/77	DDA	308	310	272	FLT TOT:	24	24	16	0	0	11.8	1.1	.151E+06	60	0	0	24	0
		-36	-34	-37	IN CLR:	18	18	10	0	0	0.0	0.0	.565E+02	65	0	0	18	0
					NOT CLR:	6	6	6	0	0	47.1	4.5	.602E+06	52	0	0	6	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
AKL-SYD (CONT.)																		
5/ 5/77	AAA	382	391	243	FLT TOT:	31	31	19	0	0	1.7	.1	0.	89	0	0	18	13
		-36	-34	-37	IN CLR:	30	30	19	0	0	0.0	0.0	0.	89	0	0	17	13
					NOT CLR:	1	1	0	0	0	51.4	4.0	0.	0	0	0	1	0
5/ 6/77 *	AAA	400	410	281	FLT TOT:	21	21	13	0	0	.0	.0	.315E+01	98	0	0	2	19
		-36	-34	-37	IN CLR:	20	20	13	0	0	0.0	0.0	0.	98	0	0	1	19
					NOT CLR:	1	1	0	0	0	.8	1.0	.362E+02	0	0	0	1	0
5/19/77	AAA	411	430	389	FLT TOT:	11	11	7	0	0	7.6	2.0	.183E+05	115	0	0	10	1
		-36	-34	-37	IN CLR:	7	7	4	0	0	0.0	0.0	.230E+02	165	0	0	6	1
					NOT CLR:	4	4	3	0	0	20.8	5.5	.502E+05	49	0	0	4	0
5/20/77 *	AAA	380	410	201	FLT TOT:	13	13	8	0	0	.5	.2	.492E+01	119	0	0	13	0
		-36	-34	-37	IN CLR:	12	12	7	0	0	0.0	0.0	.533E+01	133	0	0	12	0
					NOT CLR:	1	1	1	0	0	6.3	2.0	0.	21	0	0	1	0
5/21/77	AAA	382	391	281	FLT TOT:	14	14	4	0	0	0.0	0.0	0.	85	0	0	11	3
		-36	-34	-37	IN CLR:	14	14	4	0	0	0.0	0.0	0.	85	0	0	11	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/21/78	ABB	423	430	305	FLT TOT:	27	27	17	9	0	0.0	0.0	.534E+01	183	41	36	1	26
		-36	-34	-37	IN CLR:	27	27	17	9	0	0.0	0.0	.534E+01	183	41	36	1	26
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/22/78 *	ABB	405	411	321	FLT TOT:	22	22	12	5	0	0.0	0.0	.663E+01	207	30	26	2	20
		-36	-34	-37	IN CLR:	22	22	12	5	0	0.0	0.0	.663E+01	207	30	26	2	20
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/24/78 *	ABB	405	410	332	FLT TOT:	20	20	11	4	0	0.0	0.0	.543E+01	257	9	7	1	19
		-36	-34	-37	IN CLR:	20	20	11	4	0	0.0	0.0	.543E+01	257	9	7	1	19
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/30/77	ACA	422	430	364	FLT TOT:	29	0	0	0	0	0.0	0.0	0.	0	0	0	1	28
		-36	-34	-37	IN CLR:	29	0	0	0	0	0.0	0.0	0.	0	0	0	1	28
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 1/77 *	ACA	361	370	244	FLT TOT:	21	0	0	0	0	0.0	0.0	0.	0	0	0	5	16
		-36	-34	-37	IN CLR:	21	0	0	0	0	0.0	0.0	0.	0	0	0	5	16
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 2/77	ACA	423	430	324	FLT TOT:	26	0	0	0	0	.0	0.0	0.	0	0	0	1	25
		-36	-34	-37	IN CLR:	25	0	0	0	0	0.0	0.0	0.	0	0	0	1	24
					NOT CLR:	1	0	0	0	0	.4	0.0	0.	0	0	0	0	1
9/29/77	ABA	369	391	245	FLT TOT:	21	0	13	0	0	.0	.0	0.	202	0	0	4	17
		-36	-34	-37	IN CLR:	20	0	12	0	0	0.0	0.0	0.	194	0	0	4	16
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	293	0	0	0	1
9/30/77 *	ABA	404	412	319	FLT TOT:	22	0	14	0	0	.2	.4	0.	152	0	0	1	21
		-36	-34	-37	IN CLR:	21	0	14	0	0	0.0	0.0	0.	152	0	0	1	20
					NOT CLR:	1	0	0	0	0	3.5	8.0	0.	0	0	0	0	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
AKL-SYD (CONT.)																		
10/ 1/77	ABA	404	411	327	FLT TOT:	27	0	17	0	0	1.6	.3	0.	327	0	0	2	25
		-36	-34	-37	IN CLR:	25	0	16	0	0	0.0	0.0	0.	324	0	0	1	24
					NOT CLR:	2	0	1	0	0	22.2	3.5	0.	379	0	0	1	1
11/24/76 *	DDA	326	330	265	FLT TOT:	21	0	0	0	0	5.3	.8	0.	0	0	0	21	0
		-36	-34	-37	IN CLR:	18	0	0	0	0	0.0	0.0	0.	0	0	0	18	0
					NOT CLR:	3	0	0	0	0	37.1	5.7	0.	0	0	0	3	0
11/25/76	DDA	372	390	307	FLT TOT:	28	0	0	0	0	0.0	0.0	0.	0	0	0	24	4
		-36	-34	-37	IN CLR:	28	0	0	0	0	0.0	0.0	0.	0	0	0	24	4
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/13/78	BBB	322	330	217	FLT TOT:	26	26	16	9	0	0.0	0.0	.415E+02	150	61	58	26	0
		-36	-34	-37	IN CLR:	26	26	16	9	0	0.0	0.0	.415E+02	150	61	58	26	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 7/76	DDA	343	350	244	FLT TOT:	26	0.	0	0	0	5.9	.7	0.	0	0	0	26	0
		-36	-34	-37	IN CLR:	22	0	0	0	0	0.0	0.0	0.	0	0	0	22	0
					NOT CLR:	4	0	0	0	0	38.5	4.3	0.	0	0	0	4	0
12/ 7/76 *	DDA	326	330	263	FLT TOT:	21	0	0	0	0	6.6	1.0	0.	0	0	0	21	0
		-36	-34	-37	IN CLR:	17	0	0	0	0	0.0	0.0	0.	0	0	0	17	0
					NOT CLR:	4	0	0	0	0	34.9	5.0	0.	0	0	0	4	0
12/ 8/76 *	DDA	325	330	235	FLT TOT:	21	0	0	0	0	8.3	1.0	0.	0	0	0	21	0
		-36	-34	-37	IN CLR:	12	0	0	0	0	0.0	0.0	0.	0	0	0	12	0
					NOT CLR:	9	0	0	0	0	19.3	2.4	0.	0	0	0	9	0
12/ 8/76	DDA	338	350	236	FLT TOT:	25	0	0	0	0	23.4	2.4	0.	0	0	0	25	0
		-36	-34	-37	IN CLR:	9	0	0	0	0	0.0	0.0	0.	0	0	0	9	0
					NOT CLR:	16	0	0	0	0	36.6	3.8	0.	0	0	0	16	0
12/15/76	DDA	342	351	230	FLT TOT:	27	0	0	0	0	23.9	1.1	0.	0	0	0	0	0
		-36	-33	-37	IN CLR:	17	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	10	0	0	0	0	64.5	2.9	0.	0	0	0	0	0
12/15/76 *	DDA	326	330	266	FLT TOT:	21	0	0	0	0	.9	.1	0.	0	0	0	0	0
		-36	-34	-37	IN CLR:	20	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	1	0	0	0	0	18.4	3.0	0.	0	0	0	0	0
12/16/76	AAA	423	430	340	FLT TOT:	27	0	15	0	0	.5	.1	0.	149	0	0	25	2
		-36	-34	-37	IN CLR:	25	0	14	0	0	0.0	0.0	0.	153	0	0	23	2
					NOT CLR:	2	0	1	0	0	6.1	1.5	0.	89	0	0	2	0
12/17/76 *	AAA	402	409	321	FLT TOT:	21	0	14	0	0	2.1	.0	0.	167	0	0	15	6
		-36	-34	-37	IN CLR:	20	0	13	0	0	0.0	0.0	0.	174	0	0	14	6
					NOT CLR:	1	0	1	0	0	43.5	1.0	0.	80	0	0	1	0
12/18/76	AAA	393	410	232	FLT TOT:	29	0	19	0	0	0.0	0.0	0.	267	0	0	4	25
		-36	-34	-37	IN CLR:	29	0	19	0	0	0.0	0.0	0.	267	0	0	4	25
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
AKL-SYD (CONT.)																		
12/23/76	AAA	419	432	312	FLT TOT:	23	0	0	0	0	2.4	.1	0.	0	0	0	13	10
		-36	-34	-37	IN CLR:	21	0	0	0	0	0.0	0.0	0.	0	0	0	11	10
					NOT CLR:	2	0	0	0	0	27.1	1.5	0.	0	0	0	2	0
12/24/76 *	AAA	399	410	284	FLT TOT:	12	0	6	0	0	4.9	.3	0.	179	0	0	8	4
		-36	-35	-37	IN CLR:	10	0	6	0	0	0.0	0.0	0.	179	0	0	6	4
					NOT CLR:	2	0	0	0	0	29.6	2.0	0.	0	0	0	2	0
12/25/76	AAA	421	430	281	FLT TOT:	28	0	16	22	1	0.0	0.0	0.	121	63	42	28	0
		-36	-34	-37	IN CLR:	28	0	16	22	1	0.0	0.0	0.	121	63	42	28	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/27/76	DDA	309	310	274	FLT TOT:	27	0	0	0	0	19.6	1.4	0.	0	0	0	27	0
		-36	-34	-37	IN CLR:	16	0	0	0	0	0.0	0.0	0.	0	0	0	16	0
					NOT CLR:	11	0	0	0	0	48.0	3.5	0.	0	0	0	11	0
12/27/76 *	DDA	324	330	248	FLT TOT:	23	0	0	0	0	14.4	1.0	0.	0	0	0	23	0
		-36	-34	-37	IN CLR:	16	0	0	0	0	0.0	0.0	0.	0	0	0	16	0
					NOT CLR:	7	0	0	0	0	47.3	3.1	0.	0	0	0	7	0
12/30/76	AAA	417	430	201	FLT TOT:	28	0	15	21	1	0.0	0.0	0.	314	47	18	18	10
		-36	-34	-37	IN CLR:	28	0	15	21	1	0.0	0.0	0.	314	47	18	18	10
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/31/76 *	AAA	362	371	207	FLT TOT:	24	0	16	20	4	0.0	0.0	0.	175	65	35	24	0
		-36	-34	-37	IN CLR:	24	0	16	20	4	0.0	0.0	0.	175	65	35	24	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
AMS-ATH																		
1/20/77	DDA	306	331	199	FLT TOT:	26	26	16	0	0	12.7	.7	.237E+05	73	0	0	26	0
		46	52	39	IN CLR:	17	17	9	0	0	0.0	0.0	.108E+03	87	0	0	17	0
					NOT CLR:	9	9	7	0	0	36.7	2.0	.683E+05	55	0	0	9	0
AMS-BAH																		
12/21/76	DDA	325	330	199	FLT TOT:	57	0	0	0	0	4.8	.4	0.	0	0	0	0	0
		40	52	27	IN CLR:	50	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	7	0	0	0	0	38.8	3.0	0.	0	0	0	0	0
ATH-BAH																		
1/21/77	DDA	288	290	227	FLT TOT:	34	34	22	0	0	0.0	0.0	.748E+02	69	0	0	34	0
		32	36	27	IN CLR:	34	34	22	0	0	0.0	0.0	.748E+02	69	0	0	34	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
ATH-BEG																		
8/19/76 *	DDA	319	330	264	FLT TOT:	8	0	4	0	0	8.8	.9	0.	130	0	0	8	0
		41	43	39	IN CLR:	7	0	4	0	0	0.0	0.0	0.	130	0	0	7	0
					NOT CLR:	1	0	0	0	0	70.2	7.0	0.	0	0	0	1	0
8/19/76	DDA	299	310	271	FLT TOT:	6	0	2	0	0	.1	.2	0.	94	0	0	6	0
		42	44	40	IN CLR:	5	0	1	0	0	0.0	0.0	0.	105	0	0	5	0
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	83	0	0	1	0
ATH-BGR																		
11/ 9/78	BBB	320	370	286	FLT TOT:	96	96	49	52	4	8.4	.4	.128E+05	48	48	46	96	0
		47	50	39	IN CLR:	76	76	36	43	2	0.0	0.0	.684E+02	53	42	40	76	0
					NOT CLR:	20	20	13	9	2	40.2	2.0	.610E+05	34	78	77	20	0
ATH-BKK																		
8/22/76 *	DDA	334	350	223	FLT TOT:	102	0	65	0	0	8.9	.6	0.	47	0	0	102	0
		25	37	14	IN CLR:	82	0	54	0	0	0.0	0.0	0.	52	0	0	82	0
					NOT CLR:	20	0	11	0	0	45.1	3.3	0.	27	0	0	20	0
8/23/76	DDA	327	370	247	FLT TOT:	104	0	70	0	0	13.5	1.3	0.	43	0	0	104	0
		24	36	14	IN CLR:	68	0	46	0	0	0.0	0.0	0.	50	0	0	68	0
					NOT CLR:	36	0	24	0	0	39.1	3.8	0.	30	0	0	36	0
8/29/76 *	DDA	326	351	231	FLT TOT:	106	0	63	0	0	18.0	1.5	0.	33	0	0	106	0
		24	37	14	IN CLR:	66	0	36	0	0	0.0	0.0	0.	42	0	0	66	0
					NOT CLR:	40	0	27	0	0	47.8	4.1	0.	21	0	0	40	0
8/30/76	DDA	329	371	241	FLT TOT:	103	0	68	0	0	26.7	1.7	0.	39	0	0	103	0
		24	36	14	IN CLR:	57	0	36	0	0	0.0	0.0	0.	51	0	0	57	0
					NOT CLR:	46	0	32	0	0	59.7	3.8	0.	25	0	0	46	0
ATH-DAM																		
8/19/76 *	DDA	336	350	243	FLT TOT:	17	0	10	0	0	0.0	0.0	0.	69	0	0	17	0
		35	37	34	IN CLR:	17	0	10	0	0	0.0	0.0	0.	69	0	0	17	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 5/76 *	DDA	334	350	199	FLT TOT:	19	0	0	0	0	43.3	3.2	0.	0	0	0	19	0
		35	37	34	IN CLR:	3	0	0	0	0	0.0	0.0	0.	0	0	0	3	0
					NOT CLR:	16	0	0	0	0	51.4	3.8	0.	0	0	0	16	0
ATH-DEL																		
8/19/76	DDA	306	331	243	FLT TOT:	59	0	36	0	0	0.0	0.0	0.	62	0	0	59	0
		32	36	28	IN CLR:	59	0	36	0	0	0.0	0.0	0.	62	0	0	59	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD PD5		OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
ATH-FCO																	
2/22/77	DDA	340	350	265	FLT TOT:	14	14	8	0	0	66.0	2.5	.166E+06	57	0	0	0	0
		39	42	38	IN CLR:	2	2	1	0	0	0.0	0.0	.323E+02	75	0	0	0	0
					NOT CLR:	12	12	7	0	0	77.0	2.9	.193E+06	55	0	0	0	0
8/10/76	DDA	297	310	195	FLT TOT:	11	0	7	0	0	0.0	0.0	0.	90	0	0	11	0
		39	41	38	IN CLR:	11	0	7	0	0	0.0	0.0	0.	90	0	0	11	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/10/76 *	DDA	313	330	213	FLT TOT:	10	0	7	0	0	0.0	0.0	0.	90	0	0	10	0
		40	41	38	IN CLR:	10	0	7	0	0	0.0	0.0	0.	90	0	0	10	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/15/76	DDA	330	351	221	FLT TOT:	12	0	7	0	0	0.0	0.0	0.	89	0	0	12	0
		39	41	38	IN CLR:	12	0	7	0	0	0.0	0.0	0.	89	0	0	12	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/15/76 *	DDA	313	330	232	FLT TOT:	10	0	6	0	0	9.4	.7	0.	52	0	0	10	0
		40	41	38	IN CLR:	6	0	4	0	0	0.0	0.0	0.	56	0	0	6	0
					NOT CLR:	4	0	2	0	0	23.4	1.8	0.	45	0	0	4	0
12/ 5/76 *	DDA	316	330	215	FLT TOT:	12	0	0	0	0	11.7	.7	0.	0	0	0	9	3
		40	41	38	IN CLR:	10	0	0	0	0	0.0	0.0	0.	0	0	0	7	3
					NOT CLR:	2	0	0	0	0	70.4	4.0	0.	0	0	0	2	0
12/ 5/76	DDA	301	310	207	FLT TOT:	14	0	0	0	0	24.2	1.9	0.	0	0	0	14	0
		39	42	38	IN CLR:	8	0	0	0	0	0.0	0.0	0.	0	0	0	8	0
					NOT CLR:	6	0	0	0	0	56.5	4.5	0.	0	0	0	6	0
ATH-JFK																	
11/ 9/78 *	BBB	322	371	209	FLT TOT:	94	94	60	48	5	13.8	.7	.406E+05	59	53	56	94	0
		47	52	39	IN CLR:	68	68	43	39	2	0.0	0.0	.961E+02	66	45	34	68	0
					NOT CLR:	26	26	17	9	3	49.8	2.4	.147E+06	41	86	151	26	0
ATH-LHR																	
8/23/76	DDA	373	391	333	FLT TOT:	29	0	18	0	0	0.0	0.0	0.	210	0	0	23	6
		46	52	40	IN CLR:	29	0	18	0	0	0.0	0.0	0.	210	0	0	23	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/23/76 *	DDA	363	370	325	FLT TOT:	28	0	19	0	0	0.0	0.0	0.	146	0	0	17	11
		46	51	39	IN CLR:	28	0	19	0	0	0.0	0.0	0.	146	0	0	17	11
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/30/76	DDA	280	280	277	FLT TOT:	27	0	16	0	0	12.5	1.9	0.	72	0	0	27	0
		46	52	40	IN CLR:	19	0	11	0	0	0.0	0.0	0.	74	0	0	19	0
					NOT CLR:	8	0	5	0	0	42.4	6.4	0.	68	0	0	8	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
ATH-LHR (CONT.)																		
8/30/76 *	DDA	364	371	274	FLT TOT:	28	0	17	0	0	0.0	0.0	0.	135	0	0	22	6
		46	51	39	IN CLR:	28	0	17	0	0	0.0	0.0	0.	135	0	0	22	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
ATH-THR																		
2/22/77	DDA	326	330	265	FLT TOT:	33	33	21	0	0	4.8	.4	.253E+05	99	0	0	0	0
		35	36	34	IN CLR:	26	26	18	0	0	0.0	0.0	.771E+02	109	0	0	0	0
					NOT CLR:	7	7	3	0	0	22.6	2.0	.119E+06	35	0	0	0	0
2/22/77 *	DDA	347	349	294	FLT TOT:	35	35	21	0	0	2.8	.0	.810E+04	148	0	0	0	0
		35	37	34	IN CLR:	33	33	20	0	0	0.0	0.0	.203E+02	152	0	0	0	0
					NOT CLR:	2	2	1	0	0	48.4	.5	.142E+06	64	0	0	0	0
8/10/76 *	DDA	342	370	205	FLT TOT:	33	0	21	0	0	0.0	0.0	0.	55	0	0	33	0
		35	37	34	IN CLR:	33	0	21	0	0	0.0	0.0	0.	55	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/11/76	DDA	327	330	262	FLT TOT:	30	0	19	0	0	0.0	0.0	0.	52	0	0	30	0
		35	36	34	IN CLR:	30	0	19	0	0	0.0	0.0	0.	52	0	0	30	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/15/76	DDA	319	331	208	FLT TOT:	31	0	19	0	0	0.0	0.0	0.	58	0	0	31	0
		35	37	33	IN CLR:	31	0	19	0	0	0.0	0.0	0.	58	0	0	31	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/15/76 *	DDA	346	351	263	FLT TOT:	29	0	17	0	0	0.0	0.0	0.	48	0	0	29	0
		35	37	33	IN CLR:	29	0	17	0	0	0.0	0.0	0.	48	0	0	29	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 5/76	DDA	322	330	275	FLT TOT:	28	0	0	0	0	36.8	2.1	0.	0	0	0	28	0
		35	37	34	IN CLR:	10	0	0	0	0	0.0	0.0	0.	0	0	0	10	0
					NOT CLR:	18	0	0	0	0	57.3	3.3	0.	0	0	0	18	0
BAH-BEG																		
12/21/76	DDA	301	350	199	FLT TOT:	44	0	0	0	0	4.9	1.0	0.	0	0	0	0	0
		37	44	28	IN CLR:	33	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	11	0	0	0	0	19.4	3.8	0.	0	0	0	0	0
BAH-BKK																		
1/30/77 *	DDA	308	310	249	FLT TOT:	58	58	20	0	0	4.2	.8	.302E+05	38	0	0	58	0
		19	24	14	IN CLR:	50	50	14	0	0	0.0	0.0	.754E+01	32	0	0	50	0
					NOT CLR:	8	8	6	0	0	30.1	5.9	.219E+06	53	0	0	8	0
2/ 1/77	DDA	327	331	261	FLT TOT:	62	62	40	0	0	0.0	0.0	.772E+01	42	0	0	62	0
		19	25	14	IN CLR:	62	62	40	0	0	0.0	0.0	.772E+01	42	0	0	62	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BAH-BKK (CONT.)																		
2/13/77 *	DDA	304	310	193	FLT TOT:	66	66	41	0	0	1.0	.3	.140E+04	50	0	0	66	0
		20	26	14	IN CLR:	64	64	40	0	0	0.0	0.0	.436E+02	50	0	0	64	0
					NOT CLR:	2	2	1	0	0	33.9	8.5	.449E+05	16	0	0	2	0
2/15/77	DDA	348	370	247	FLT TOT:	63	63	41	0	0	0.0	0.0	.148E+02	47	0	0	63	0
		19	26	14	IN CLR:	63	63	41	0	0	0.0	0.0	.148E+02	47	0	0	63	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/21/76 *	DDA	326	350	237	FLT TOT:	64	0	0	0	0	3.3	.3	0.	0	0	0	64	0
		20	26	14	IN CLR:	59	0	0	0	0	0.0	0.0	0.	0	0	0	59	0
					NOT CLR:	5	0	0	0	0	42.0	3.4	0.	0	0	0	5	0
11/28/76 *	DDA	307	310	211	FLT TOT:	68	0	0	0	0	5.5	.4	0.	0	0	0	68	0
		20	26	14	IN CLR:	61	0	0	0	0	0.0	0.0	0.	0	0	0	61	0
					NOT CLR:	7	0	0	0	0	53.7	3.6	0.	0	0	0	7	0
11/30/76	DDA	301	330	240	FLT TOT:	62	0	0	0	0	6.9	.5	0.	0	0	0	62	0
		19	25	14	IN CLR:	54	0	0	0	0	0.0	0.0	0.	0	0	0	54	0
					NOT CLR:	8	0	0	0	0	53.4	3.9	0.	0	0	0	8	0
12/30/76	DDA	331	370	264	FLT TOT:	56	0	0	0	0	17.6	.5	0.	0	0	0	56	0
		19	25	14	IN CLR:	44	0	0	0	0	0.0	0.0	0.	0	0	0	44	0
					NOT CLR:	12	0	0	0	0	82.1	2.5	0.	0	0	0	12	0
BAH-FRA																		
1/20/77	DDA	337	351	277	FLT TOT:	63	63	41	0	0	7.0	.6	.781E+05	162	0	0	21	42
		38	49	27	IN CLR:	54	54	35	0	0	0.0	0.0	.636E+02	178	0	0	13	41
					NOT CLR:	9	9	6	0	0	49.3	4.3	.546E+06	70	0	0	8	1
1/31/77 *	DDA	289	292	239	FLT TOT:	42	42	24	0	0	9.7	.6	.351E+05	52	0	0	42	0
		35	45	27	IN CLR:	34	34	19	0	0	0.0	0.0	.324E+02	52	0	0	34	0
					NOT CLR:	8	8	5	0	0	51.0	3.0	.184E+06	52	0	0	8	0
1/31/77	DDA	328	350	233	FLT TOT:	66	66	37	0	0	2.1	.4	.786E+04	154	0	0	60	6
		38	50	27	IN CLR:	60	60	34	0	0	0.0	0.0	.313E+02	164	0	0	54	6
					NOT CLR:	6	6	3	0	0	22.6	4.5	.862E+05	40	0	0	6	0
2/14/77	DDA	316	350	226	FLT TOT:	43	43	14	0	0	7.0	1.1	.108E+06	245	0	0	33	10
		41	49	30	IN CLR:	30	30	10	0	0	0.0	0.0	.115E+03	314	0	0	20	10
					NOT CLR:	13	13	4	0	0	23.1	3.5	.355E+06	73	0	0	13	0
2/14/77 *	DDA	347	370	200	FLT TOT:	59	59	30	0	0	4.4	.2	.111E+05	119	0	0	42	17
		38	49	27	IN CLR:	53	53	27	0	0	0.0	0.0	.445E+03	125	0	0	36	17
					NOT CLR:	6	6	3	0	0	42.9	1.7	.105E+06	59	0	0	6	0
11/22/76	DDA	307	310	214	FLT TOT:	59	0	0	0	0	9.8	1.3	0.	0	0	0	59	0
		38	49	27	IN CLR:	41	0	0	0	0	0.0	0.0	0.	0	0	0	41	0
					NOT CLR:	18	0	0	0	0	32.1	4.3	0.	0	0	0	18	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BAH-FRA (CONT.)																		
11/29/76	DDA	325	350	254	FLT TOT:	61	0	0	0	0	2.3	.3	0.	0	0	0	61	0
		37	49	27	IN CLR:	53	0	0	0	0	0.0	0.0	0.	0	0	0	53	0
					NOT CLR:	8	0	0	0	0	17.6	2.6	0.	0	0	0	8	0
11/29/76 *	DDA	327	330	262	FLT TOT:	46	0	0	0	0	2.1	.1	0.	0	0	0	46	0
		38	49	27	IN CLR:	43	0	0	0	0	0.0	0.0	0.	0	0	0	43	0
					NOT CLR:	3	0	0	0	0	32.9	1.7	0.	0	0	0	3	0
12/29/76 *	DDA	314	330	251	FLT TOT:	53	0	0	0	0	5.5	.2	0.	0	0	0	53	0
		38	49	27	IN CLR:	46	0	0	0	0	0.0	0.0	0.	0	0	0	46	0
					NOT CLR:	7	0	0	0	0	41.3	1.6	0.	0	0	0	7	0
BAH-JFK																		
1/25/77 *	AAA	389	411	283	FLT TOT:	120	120	37	100	7	14.6	.4	.574E+05	302	41	14	30	90
		40	46	27	IN CLR:	98	98	34	82	0	0.0	0.0	.993E+02	324	31	14	8	90
					NOT CLR:	22	22	3	18	7	79.8	2.1	.313E+06	61	85	14	22	0
1/26/77	AAA	359	429	200	FLT TOT:	157	157	0	128	11	13.8	.7	.959E+05	0	44	33	62	95
		46	57	27	IN CLR:	120	120	0	97	4	0.0	0.0	.140E+04	0	35	27	28	92
					NOT CLR:	37	37	0	31	7	58.6	3.0	.402E+06	0	71	50	34	3
3/23/77	AAA	386	410	200	FLT TOT:	134	134	92	113	1	.6	.1	.191E+03	420	21	12	0	0
		47	58	29	IN CLR:	130	130	90	110	0	0.0	0.0	.165E+03	427	18	10	0	0
					NOT CLR:	4	4	2	3	1	21.2	3.0	.102E+04	101	100	69	0	0
5/23/77 *	AAA	384	410	214	FLT TOT:	76	76	49	0	0	.1	.0	.991E+03	295	0	0	30	46
		41	48	27	IN CLR:	73	73	49	0	0	0.0	0.0	.352E+02	295	0	0	27	46
					NOT CLR:	3	3	0	0	0	2.6	1.0	.243E+05	0	0	0	3	0
5/25/77	AAA	377	410	194	FLT TOT:	81	81	50	0	0	2.0	.2	.195E+05	348	0	0	34	47
		44	54	28	IN CLR:	77	77	47	0	0	0.0	0.0	.461E+02	358	0	0	31	46
					NOT CLR:	4	4	3	0	0	39.5	3.3	.394E+06	193	0	0	3	1
7/11/77 *	ACA	394	411	278	FLT TOT:	100	100	67	0	0	6.7	0.0	.124E+05	200	0	0	9	0
		42	48	28	IN CLR:	84	84	57	0	0	0.0	0.0	.554E+02	219	0	0	0	0
					NOT CLR:	16	16	10	0	0	41.7	0.0	.772E+05	96	0	0	9	0
7/12/77	ACA	382	430	203	FLT TOT:	138	138	90	0	0	1.5	0.0	.231E+04	257	0	0	85	53
		46	55	27	IN CLR:	134	134	87	0	0	0.0	0.0	.140E+03	259	0	0	83	51
					NOT CLR:	4	4	3	0	0	53.4	0.0	.750E+05	207	0	0	2	2
8/23/77 *	ABA	397	411	286	FLT TOT:	119	119	81	0	0	.6	.2	.351E+04	155	0	0	75	44
		43	50	28	IN CLR:	115	115	79	0	0	0.0	0.0	.302E+02	156	0	0	72	43
					NOT CLR:	4	4	2	0	0	17.6	6.8	.104E+06	117	0	0	3	1
8/24/77	ABA	386	430	246	FLT TOT:	145	145	95	0	0	0.0	0.0	.341E+02	220	0	0	50	95
		46	57	27	IN CLR:	145	145	95	0	0	0.0	0.0	.341E+02	220	0	0	50	95
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BAH-KUL																		
1/19/77 *	DDA	338	350	222	FLT TOT:	79	79	49	0	0	0.0	0.0	.142E+02	58	0	0	79	0
		12	25	3	IN CLR:	79	79	49	0	0	0.0	0.0	.142E+02	58	0	0	79	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/20/76 *	DDA	313	350	237	FLT TOT:	77	0	0	0	0	10.5	.7	0.	0	0	0	0	0
		16	26	4	IN CLR:	60	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	17	0	0	0	0	47.6	3.2	0.	0	0	0	0	0
12/22/76	DDA	325	330	253	FLT TOT:	69	0	0	0	0	17.8	1.3	0.	0	0	0	0	0
		15	25	4	IN CLR:	45	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	24	0	0	0	0	51.2	3.6	0.	0	0	0	0	0
BAH-SIN																		
1/21/77	DDA	317	331	287	FLT TOT:	70	70	47	0	0	1.7	.3	.364E+02	57	0	0	70	0
		14	25	2	IN CLR:	64	64	44	0	0	0.0	0.0	.212E+02	59	0	0	64	0
					NOT CLR:	6	6	3	0	0	19.5	3.5	.899E+03	32	0	0	6	0
BEG-LHR																		
12/21/76	DDA	280	280	273	FLT TOT:	20	0	0	0	0	18.6	1.6	0.	0	0	0	0	0
		49	52	45	IN CLR:	14	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	6	0	0	0	0	62.0	5.3	0.	0	0	0	0	0
BEG-ORY																		
8/19/76	DDA	324	351	205	FLT TOT:	16	0	10	0	0	12.1	.8	0.	150	0	0	16	0
		47	48	45	IN CLR:	11	0	7	0	0	0.0	0.0	0.	173	0	0	11	0
					NOT CLR:	5	0	3	0	0	38.7	2.4	0.	95	0	0	5	0
8/19/76 *	DDA	328	331	289	FLT TOT:	15	0	9	0	0	0.0	0.0	0.	81	0	0	15	0
		47	48	45	IN CLR:	15	0	9	0	0	0.0	0.0	0.	81	0	0	15	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
BGR-LAX																		
11/10/78	BBB	343	350	210	FLT TOT:	58	58	36	32	1	9.7	1.3	.212E+05	37	49	53	58	0
		39	44	34	IN CLR:	44	44	29	24	0	0.0	0.0	0.	38	41	35	44	0
					NOT CLR:	14	14	7	8	1	40.1	5.5	.877E+05	32	74	109	14	0
12/14/78	BBB	343	349	290	FLT TOT:	54	54	35	28	0	0.0	0.0	.109E+02	189	37	24	28	26
		42	46	35	IN CLR:	54	54	35	28	0	0.0	0.0	.109E+02	189	37	24	28	26
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BGR-LPA																		
12/13/78 *	BBB	292	310	219	FLT TOT:	70	70	41	33	7	16.6	1.0	.879E+05	41	56	125	70	0
		38	45	29	IN CLR:	50	50	26	27	2	0.0	0.0	.245E+02	43	48	108	50	0
					NOT CLR:	20	20	15	6	5	58.0	3.7	.307E+06	39	93	203	20	0
BKK-BOM																		
5/24/79 *	BDB	363	371	290	FLT TOT:	36	36	22	20	2	7.9	1.1	.117E+06	65	47	96	36	0
		17	20	14	IN CLR:	26	26	15	15	0	0.0	0.0	.113E+04	68	40	82	26	0
					NOT CLR:	10	10	7	5	2	28.4	4.0	.419E+06	58	67	138	10	0
BKK-DAM																		
8/18/76	DDA	311	351	209	FLT TOT:	82	0	55	0	0	4.6	.5	0.	38	0	0	82	0
		27	34	16	IN CLR:	64	0	41	0	0	0.0	0.0	0.	42	0	0	64	0
					NOT CLR:	18	0	14	0	0	21.2	2.5	0.	28	0	0	18	0
12/ 4/76	DDA	313	350	236	FLT TOT:	94	0	0	0	0	0.0	0.0	0.	0	0	0	94	0
		28	34	16	IN CLR:	94	0	0	0	0	0.0	0.0	0.	0	0	0	94	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
BKK-DEL																		
1/23/76	BBA	337	351	212	FLT TOT:	22	0	22	0	0	7.6	.6	0.	36	0	0	22	0
		22	28	15	IN CLR:	18	0	18	0	0	0.0	0.0	0.	36	0	0	18	0
					NOT CLR:	4	0	4	0	0	41.7	3.5	0.	35	0	0	4	0
3/19/76	BBA	336	351	209	FLT TOT:	24	0	24	0	0	4.3	.5	0.	58	0	0	24	0
		22	28	15	IN CLR:	20	0	20	0	0	0.0	0.0	0.	59	0	0	20	0
					NOT CLR:	4	0	4	0	0	26.0	2.6	0.	50	0	0	4	0
3/24/76 *	BBA	360	371	219	FLT TOT:	21	0	21	0	0	.3	.6	0.	73	0	0	21	0
		21	28	15	IN CLR:	20	0	20	0	0	0.0	0.0	0.	72	0	0	20	0
					NOT CLR:	1	0	1	0	0	5.9	12.0	0.	97	0	0	1	0
4/20/76 *	BBA	376	411	209	FLT TOT:	23	0	23	0	0	0.0	0.0	0.	98	0	0	23	0
		21	28	14	IN CLR:	23	0	23	0	0	0.0	0.0	0.	98	0	0	23	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/20/76 *	DDA	321	331	251	FLT TOT:	35	0	23	0	0	14.4	1.7	0.	34	0	0	35	0
		22	28	15	IN CLR:	17	0	7	0	0	0.0	0.0	0.	31	0	0	17	0
					NOT CLR:	18	0	16	0	0	27.9	3.3	0.	35	0	0	18	0
9/ 6/76	BBA	342	353	246	FLT TOT:	33	0	19	0	0	0.0	0.0	0.	40	0	0	33	0
		22	28	15	IN CLR:	33	0	19	0	0	0.0	0.0	0.	40	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/12/77 *	BCB	362	371	217	FLT TOT:	31	31	0	0	0	1.5	0.0	.326E+04	0	0	0	31	0
		21	28	14	IN CLR:	27	27	0	0	0	0.0	0.0	.209E+02	0	0	0	27	0
					NOT CLR:	4	4	0	0	0	11.8	0.0	.251E+05	0	0	0	4	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BKK-DEL (CONT.)																		
12/ 8/78 *	BBB	358	370	258	FLT TOT:	32	32	13	13	3	4.5	.5	.145E+05	61	58	55	32	0
		21	28	15	IN CLR:	27	27	10	10	0	0.0	0.0	.314E+02	60	46	41	27	0
					NOT CLR:	5	5	3	3	3	29.1	3.4	.927E+05	64	100	102	5	0
BKK-DRW																		
8/18/76 *	DDA	333	350	249	FLT TOT:	56	0	36	0	0	11.9	.7	0.	21	0	0	56	0
		-1	12	-11	IN CLR:	43	0	28	0	0	0.0	0.0	0.	21	0	0	43	0
					NOT CLR:	13	0	8	0	0	51.4	2.9	0.	18	0	0	13	0
8/20/76	DDA	334	370	205	FLT TOT:	53	0	35	0	0	7.7	.8	0.	20	0	0	53	0
		-3	10	-12	IN CLR:	39	0	25	0	0	0.0	0.0	0.	19	0	0	39	0
					NOT CLR:	14	0	10	0	0	29.0	3.2	0.	21	0	0	14	0
BKK-HKG																		
1/23/76 *	BBA	376	390	218	FLT TOT:	24	0	24	0	0	0.0	0.0	0.	10	0	0	24	0
		13	22	8	IN CLR:	24	0	24	0	0	0.0	0.0	0.	10	0	0	24	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/19/76 *	BBA	336	352	204	FLT TOT:	22	0	22	0	0	.6	.2	0.	40	0	0	22	0
		13	21	8	IN CLR:	20	0	20	0	0	0.0	0.0	0.	40	0	0	20	0
					NOT CLR:	2	0	2	0	0	7.1	2.0	0.	33	0	0	2	0
3/24/76	BBA	327	331	251	FLT TOT:	19	0	19	0	0	.3	.5	0.	49	0	0	19	0
		13	21	8	IN CLR:	17	0	17	0	0	0.0	0.0	0.	50	0	0	17	0
					NOT CLR:	2	0	2	0	0	2.5	5.0	0.	48	0	0	2	0
4/20/76	BBA	334	371	210	FLT TOT:	6	0	6	0	0	0.0	0.0	0.	41	0	0	6	0
		10	13	8	IN CLR:	6	0	6	0	0	0.0	0.0	0.	41	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/25/79	BDB	359	371	280	FLT TOT:	20	20	12	9	2	.1	.1	.532E+04	70	45	151	20	0
		17	21	15	IN CLR:	19	19	12	9	2	0.0	0.0	.276E+04	70	45	151	19	0
					NOT CLR:	1	1	0	0	0	1.6	2.0	.541E+05	0	0	0	1	0
9/ 6/76 *	BBA	382	390	271	FLT TOT:	33	0	22	0	0	0.0	0.0	0.	33	0	0	33	0
		12	21	8	IN CLR:	33	0	22	0	0	0.0	0.0	0.	33	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/ 8/77 *	BCB	310	310	310	FLT TOT:	27	27	0	0	0	5.4	0.0	.110E+05	0	0	0	27	0
		12	20	8	IN CLR:	22	22	0	0	0	0.0	0.0	.555E+01	0	0	0	22	0
					NOT CLR:	5	5	0	0	0	29.2	0.0	.595E+05	0	0	0	5	0
10/12/77	BCB	361	371	193	FLT TOT:	32	32	0	0	0	21.5	0.0	.882E+05	0	0	0	32	0
		13	21	8	IN CLR:	14	14	0	0	0	0.0	0.0	.229E+02	0	0	0	14	0
					NOT CLR:	18	18	0	0	0	38.1	0.0	.157E+06	0	0	0	18	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BKK-HKG (CONT.)																		
11/ 3/78	BBB	347	370	198	FLT TOT:	21	21	13	11	3	17.1	1.0	.531E+05	37	64	240	21	0
		17	22	14	IN CLR:	14	14	8	5	0	0.0	0.0	.931E+01	37	55	220	14	0
					NOT CLR:	7	7	5	6	3	51.3	2.9	.159E+06	37	72	257	7	0
12/ 8/78	BBB	322	330	259	FLT TOT:	16	18	12	8	0	0.0	0.0	.209E+02	58	31	124	18	0
		17	21	15	IN CLR:	18	18	12	8	0	0.0	0.0	.209E+02	58	31	124	18	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
BKK-KHI																		
10/ 8/77	BCB	324	351	282	FLT TOT:	40	40	0	0	0	2.7	0.0	.223E+05	0	0	0	40	0
		20	25	14	IN CLR:	35	35	0	0	0	0.0	0.0	.181E+03	0	0	0	35	0
					NOT CLR:	5	5	0	0	0	21.6	0.0	.177E+06	0	0	0	5	0
BKK-MEL																		
8/ 9/76 *	DDA	322	352	191	FLT TOT:	81	0	54	0	0	0.0	0.0	0.	27	0	0	81	0
		-12	12	-37	IN CLR:	81	0	54	0	0	0.0	0.0	0.	27	0	0	81	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/11/76	DDA	315	330	235	FLT TOT:	90	0	58	0	0	1.0	.2	0.	29	0	0	90	0
		-15	10	-37	IN CLR:	83	0	54	0	0	0.0	0.0	0.	28	0	0	83	0
					NOT CLR:	7	0	4	0	0	12.5	2.9	0.	35	0	0	7	0
8/14/76 *	DDA	318	351	244	FLT TOT:	91	0	59	0	0	11.8	1.0	0.	28	0	0	91	0
		-15	12	-37	IN CLR:	67	0	42	0	0	0.0	0.0	0.	26	0	0	67	0
					NOT CLR:	24	0	17	0	0	44.6	3.8	0.	33	0	0	24	0
8/16/76	DDA	337	370	239	FLT TOT:	83	0	42	0	0	9.0	.8	0.	42	0	0	77	6
		-15	11	-37	IN CLR:	64	0	32	0	0	0.0	0.0	0.	49	0	0	58	6
					NOT CLR:	19	0	10	0	0	39.1	3.6	0.	20	0	0	19	0
8/24/76	DDA	324	370	238	FLT TOT:	87	0	58	0	0	7.4	.7	0.	120	0	0	68	19
		-15	11	-38	IN CLR:	70	0	48	0	0	0.0	0.0	0.	140	0	0	51	19
					NOT CLR:	17	0	10	0	0	37.9	3.5	0.	21	0	0	17	0
8/31/76	DDA	343	371	215	FLT TOT:	89	0	56	0	0	2.3	.4	0.	80	0	0	78	11
		-15	11	-37	IN CLR:	79	0	49	0	0	0.0	0.0	0.	85	0	0	68	11
					NOT CLR:	10	0	7	0	0	20.7	3.3	0.	44	0	0	10	0
BKK-SIN																		
1/30/77 *	DDA	341	350	267	FLT TOT:	15	15	3	0	0	11.9	.9	.369E+05	47	0	0	15	0
		8	12	3	IN CLR:	11	11	3	0	0	0.0	0.0	.520E+02	47	0	0	11	0
					NOT CLR:	4	4	0	0	0	44.5	3.3	.138E+06	0	0	0	4	0
2/13/77 *	DDA	337	350	262	FLT TOT:	14	14	7	0	0	.2	.1	.139E+02	20	0	0	14	0
		8	13	3	IN CLR:	13	13	6	0	0	0.0	0.0	.125E+02	22	0	0	13	0
					NOT CLR:	1	1	1	0	0	2.4	1.0	.326E+02	13	0	0	1	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BKK-SIN (CONT.)																		
2/15/77	DDA	351	370	229	FLT TOT:	16	16	10	0	0	7.1	.8	.103E+05	18	0	0	16	0
		7	12	2	IN CLR:	11	11	6	0	0	0.0	0.0	.543E+02	14	0	0	11	0
					NOT CLR:	5	5	4	0	0	22.6	2.6	.328E+05	25	0	0	5	0
2/21/77 *	DDA	343	350	267	FLT TOT:	15	15	9	0	0	2.5	.2	.280E+03	26	0	0	0	0
		8	12	3	IN CLR:	13	13	8	0	0	0.0	0.0	.352E+02	27	0	0	0	0
					NOT CLR:	2	2	1	0	0	18.6	1.5	.187E+04	22	0	0	0	0
2/23/77	DDA	283	290	202	FLT TOT:	15	15	9	0	0	0.0	0.0	.615E+01	24	0	0	0	0
		7	12	2	IN CLR:	15	15	9	0	0	0.0	0.0	.615E+01	24	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/21/76 *	DDA	338	350	261	FLT TOT:	15	0	0	0	0	19.3	2.6	0.	0	0	0	15	0
		8	13	3	IN CLR:	7	0	0	0	0	0.0	0.0	0.	0	0	0	7	0
					NOT CLR:	8	0	0	0	0	36.1	4.9	0.	0	0	0	8	0
11/28/76 *	DDA	337	351	246	FLT TOT:	15	0	0	0	0	35.3	2.7	0.	0	0	0	15	0
		8	13	3	IN CLR:	7	0	0	0	0	0.0	0.0	0.	0	0	0	7	0
					NOT CLR:	8	0	0	0	0	66.3	5.1	0.	0	0	0	8	0
11/30/76	DDA	289	290	279	FLT TOT:	14	0	0	0	0	0.0	0.0	0.	0	0	0	14	0
		7	11	3	IN CLR:	14	0	0	0	0	0.0	0.0	0.	0	0	0	14	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 4/76 *	DDA	337	350	234	FLT TOT:	15	0	0	0	0	19.3	3.8	0.	0	0	0	15	0
		8	13	3	IN CLR:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
					NOT CLR:	10	0	0	0	0	29.0	5.7	0.	0	0	0	10	0
12/ 6/76	DDA	351	370	249	FLT TOT:	14	0	0	0	0	6.6	1.1	0.	0	0	0	14	0
		7	12	3	IN CLR:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
					NOT CLR:	9	0	0	0	0	10.2	1.8	0.	0	0	0	9	0
12/30/76	DDA	358	370	267	FLT TOT:	15	0	0	0	0	0.0	0.0	0.	0	0	0	15	0
		7	12	3	IN CLR:	15	0	0	0	0	0.0	0.0	0.	0	0	0	15	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
BKK-SYD																		
8/22/76 *	DDA	346	390	267	FLT TOT:	99	0	66	0	0	11.5	1.0	0.	34	0	0	99	0
		-14	12	-33	IN CLR:	73	0	49	0	0	0.0	0.0	0.	38	0	0	73	0
					NOT CLR:	26	0	17	0	0	43.9	3.8	0.	22	0	0	26	0
8/29/76 *	DDA	322	351	193	FLT TOT:	99	0	57	0	0	0.0	0.0	0.	29	0	0	99	0
		-14	12	-33	IN CLR:	99	0	57	0	0	0.0	0.0	0.	29	0	0	99	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
BKK-THR																		
2/21/77	DDA	328	349	252	FLT TOT:	73	73	39	0	0	14.3	2.0	.101E+06	61	0	0	0	0
		26	35	15	IN CLR:	45	45	21	0	0	0.0	0.0	.117E+03	64	0	0	0	0
					NOT CLR:	28	28	18	0	0	37.4	5.3	.262E+06	59	0	0	0	0
2/23/77 *	DDA	339	370	260	FLT TOT:	56	56	33	0	0	20.7	1.0	.643E+05	48	0	0	0	0
		25	34	15	IN CLR:	37	37	22	0	0	0.0	0.0	.623E+03	45	0	0	0	0
					NOT CLR:	19	19	11	0	0	61.1	3.1	.188E+06	53	0	0	0	0
8/ 9/76	DDA	313	351	236	FLT TOT:	62	0	39	0	0	4.9	.7	0.	37	0	0	62	0
		26	33	16	IN CLR:	49	0	32	0	0	0.0	0.0	0.	39	0	0	49	0
					NOT CLR:	13	0	7	0	0	23.3	3.2	0.	25	0	0	13	0
8/11/76 *	DDA	322	330	243	FLT TOT:	63	0	41	0	0	18.1	1.6	0.	39	0	0	63	0
		25	34	15	IN CLR:	37	0	23	0	0	0.0	0.0	0.	45	0	0	37	0
					NOT CLR:	26	0	18	0	0	43.7	3.8	0.	30	0	0	26	0
8/14/76	DDA	311	350	245	FLT TOT:	66	0	40	0	0	0.0	0.0	0.	22	0	0	66	0
		26	35	15	IN CLR:	66	0	40	0	0	0.0	0.0	0.	22	0	0	66	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/16/76 *	DDA	311	330	238	FLT TOT:	67	0	43	0	0	12.8	.6	0.	43	0	0	67	0
		26	34	14	IN CLR:	49	0	30	0	0	0.0	0.0	0.	48	0	0	49	0
					NOT CLR:	18	0	13	0	0	47.8	2.2	0.	32	0	0	18	0
11/ 2/78 *	BBB	350	370	252	FLT TOT:	64	64	41	26	0	0.0	0.0	.111E+02	66	22	37	64	0
		25	34	14	IN CLR:	64	64	41	26	0	0.0	0.0	.111E+02	66	22	37	64	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 6/76 *	DDA	327	331	258	FLT TOT:	59	0	0	0	0	1.1	.2	0.	0	0	0	59	0
		25	34	14	IN CLR:	57	0	0	0	0	0.0	0.0	0.	0	0	0	57	0
					NOT CLR:	2	0	0	0	0	33.3	5.0	0.	0	0	0	2	0
BOM-FRA																		
5/24/79 *	BCB	330	370	213	FLT TOT:	80	80	52	40	1	9.5	1.3	.356E+06	98	40	70	30	0
		36	49	20	IN CLR:	58	58	37	31	0	0.0	0.0	.112E+04	92	36	52	58	0
					NOT CLR:	22	22	15	9	1	34.5	4.8	.129E+07	114	55	131	22	0
BOM-IST																		
1/ 6/79 *	BBB	353	376	241	FLT TOT:	51	0	33	28	1	14.4	1.4	0.	59	52	32	51	0
		30	40	20	IN CLR:	30	0	18	17	0	0.0	0.0	0.	87	41	27	30	0
					NOT CLR:	21	0	15	11	1	35.1	3.5	0.	26	68	38	21	0
2/24/79 *	BBB	340	371	206	FLT TOT:	15	0	10	7	0	0.0	0.0	0.	160	15	18	11	4
		34	40	20	IN CLR:	15	0	10	7	0	0.0	0.0	0.	160	15	18	11	4
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BOM-LHR																			
1/ 7/77		DDA	325	350	206	FLT TOT:	101	0	0	0	0	2.6	.3	0.	0	0	0	78	23
			37	52	19	IN CLR:	91	0	0	0	0	0.0	0.0	0.	0	0	0	71	20
						NOT CLR:	10	0	0	0	0	26.0	3.2	0.	0	0	0	7	3
1/ 8/77	*	DDA	310	370	249	FLT TOT:	86	0	0	0	0	12.5	1.1	0.	0	0	0	81	5
			37	51	20	IN CLR:	66	0	0	0	0	0.0	0.0	0.	0	0	0	61	5
						NOT CLR:	20	0	0	0	0	53.9	4.7	0.	0	0	0	20	0
1/23/77		DDA	331	350	253	FLT TOT:	107	107	71	0	0	13.3	.6	.318E+05	82	0	0	96	11
			35	51	19	IN CLR:	76	76	49	0	0	0.0	0.0	.178E+03	88	0	0	65	11
						NOT CLR:	31	31	22	0	0	45.9	1.9	.109E+06	66	0	0	31	0
1/24/77	*	DDA	340	371	330	FLT TOT:	50	50	33	0	0	6.2	.4	.107E+05	76	0	0	42	8
			32	39	21	IN CLR:	44	44	29	0	0	0.0	0.0	.451E+03	77	0	0	36	8
						NOT CLR:	6	6	4	0	0	51.8	3.5	.860E+05	70	0	0	6	0
8/ 3/76		DDA	319	350	233	FLT TOT:	78	0	47	0	0	2.1	.3	0.	98	0	0	68	10
			38	52	19	IN CLR:	74	0	45	0	0	0.0	0.0	0.	100	0	0	65	9
						NOT CLR:	4	0	2	0	0	41.7	6.3	0.	67	0	0	3	1
8/ 4/76	*	DDA	319	330	276	FLT TOT:	84	0	53	0	0	10.2	.5	0.	79	0	0	84	0
			36	51	21	IN CLR:	67	0	41	0	0	0.0	0.0	0.	85	0	0	67	0
						NOT CLR:	17	0	12	0	0	50.3	2.5	0.	59	0	0	17	0
8/ 6/76		DDA	322	351	279	FLT TOT:	70	0	45	0	0	.8	.2	0.	86	0	0	59	11
			37	51	23	IN CLR:	66	0	43	0	0	0.0	0.0	0.	87	0	0	59	7
						NOT CLR:	4	0	2	0	0	13.1	2.8	0.	79	0	0	0	4
8/ 7/76	*	DDA	320	330	199	FLT TOT:	88	0	58	0	0	.0	.0	0.	84	0	0	88	0
			37	51	20	IN CLR:	86	0	56	0	0	0.0	0.0	0.	84	0	0	86	0
						NOT CLR:	2	0	2	0	0	1.8	1.0	0.	78	0	0	2	0
11/22/76	*	DDA	315	330	261	FLT TOT:	87	0	0	0	0	16.4	1.2	0.	0	0	0	87	0
			37	51	20	IN CLR:	63	0	0	0	0	0.0	0.0	0.	0	0	0	63	0
						NOT CLR:	24	0	0	0	0	59.5	4.4	0.	0	0	0	24	0
12/ 9/76		DDA	321	350	250	FLT TOT:	110	0	0	0	0	3.8	.4	0.	0	0	0	96	14
			36	52	19	IN CLR:	101	0	0	0	0	0.0	0.0	0.	0	0	0	87	14
						NOT CLR:	9	0	0	0	0	47.0	4.9	0.	0	0	0	9	0
12/10/76	*	DDA	313	330	234	FLT TOT:	85	0	0	0	0	16.0	2.0	0.	0	0	0	85	0
			37	51	20	IN CLR:	59	0	0	0	0	0.0	0.0	0.	0	0	0	59	0
						NOT CLR:	26	0	0	0	0	52.2	6.5	0.	0	0	0	26	0
12/28/76		DDA	311	350	211	FLT TOT:	113	0	0	0	0	17.1	.9	0.	0	0	0	101	12
			37	52	19	IN CLR:	80	0	0	0	0	0.0	0.0	0.	0	0	0	68	12
						NOT CLR:	33	0	0	0	0	58.4	3.2	0.	0	0	0	33	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXH1 EXTN	EXL0 EXTS		NUMBER OF OBS CLD	PD5	OZ	H20,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H20	TROP N	STRAT N
BOM-PER																		
1/ 7/77 *	DDA	324	350	240	FLT TOT:	87	0	0	0	0	2.8	.4	0.	0	0	0	87	0
		-7	17	-31	IN CLR:	74	0	0	0	0	0.0	0.0	0.	0	0	0	74	0
					NOT CLR:	13	0	0	0	0	18.8	2.5	0.	0	0	0	13	0
1/ 8/77	DDA	327	340	227	FLT TOT:	85	0	0	0	0	1.7	.3	0.	0	0	0	85	0
		-7	16	-31	IN CLR:	77	0	0	0	0	0.0	0.0	0.	0	0	0	77	0
					NOT CLR:	8	0	0	0	0	17.6	3.0	0.	0	0	0	8	0
1/23/77 *	DDA	350	351	345	FLT TOT:	22	22	14	0	0	27.9	1.5	.201E+06	47	0	0	22	0
		11	18	3	IN CLR:	13	13	8	0	0	0.0	0.0	.123E+02	54	0	0	13	0
					NOT CLR:	9	9	6	0	0	68.1	3.6	.492E+06	39	0	0	9	0
1/24/77	DDA	324	340	194	FLT TOT:	75	75	45	0	0	6.3	.9	.422E+05	50	0	0	75	0
		-8	17	-31	IN CLR:	60	60	39	0	0	0.0	0.0	.230E+02	53	0	0	60	0
					NOT CLR:	15	15	6	0	0	31.7	4.5	.211E+06	33	0	0	15	0
8/ 3/76 *	DDA	329	351	244	FLT TOT:	78	0	52	0	0	7.5	1.0	0.	50	0	0	78	0
		-6	16	-31	IN CLR:	50	0	32	0	0	0.0	0.0	0.	55	0	0	50	0
					NOT CLR:	28	0	20	0	0	20.9	2.7	0.	42	0	0	28	0
8/ 4/76	DDA	327	341	249	FLT TOT:	87	0	54	0	0	0.0	0.0	0.	31	0	0	87	0
		-7	16	-31	IN CLR:	87	0	54	0	0	0.0	0.0	0.	31	0	0	87	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/ 6/76 *	DDA	307	350	199	FLT TOT:	82	0	55	0	0	2.7	.2	0.	44	0	0	82	0
		-5	17	-30	IN CLR:	71	0	48	0	0	0.0	0.0	0.	45	0	0	71	0
					NOT CLR:	11	0	7	0	0	20.2	1.5	0.	37	0	0	11	0
8/ 7/76	DDA	308	341	205	FLT TOT:	76	0	47	0	0	7.3	.8	0.	36	0	0	76	0
		-6	16	-31	IN CLR:	56	0	34	0	0	0.0	0.0	0.	36	0	0	56	0
					NOT CLR:	20	0	13	0	0	27.7	3.2	0.	36	0	0	20	0
11/23/76	DDA	326	360	253	FLT TOT:	88	0	0	0	0	12.7	1.4	0.	0	0	0	88	0
		-7	17	-31	IN CLR:	57	0	0	0	0	0.0	0.0	0.	0	0	0	57	0
					NOT CLR:	31	0	0	0	0	36.0	4.0	0.	0	0	0	31	0
12/ 9/76 *	DDA	324	350	192	FLT TOT:	90	0	0	0	0	4.5	.7	0.	0	0	0	90	0
		-7	17	-31	IN CLR:	75	0	0	0	0	0.0	0.0	0.	0	0	0	75	0
					NOT CLR:	15	0	0	0	0	27.1	3.9	0.	0	0	0	15	0
12/10/76	DDA	328	341	251	FLT TOT:	83	0	0	0	0	1.0	.2	0.	0	0	0	83	0
		-7	17	-31	IN CLR:	79	0	0	0	0	0.0	0.0	0.	0	0	0	79	0
					NOT CLR:	9	0	0	0	0	9.5	1.9	0.	0	0	0	9	0
12/28/76 *	DDA	334	350	251	FLT TOT:	87	0	0	0	0	14.3	1.1	0.	0	0	0	87	0
		-7	16	-31	IN CLR:	65	0	0	0	0	0.0	0.0	0.	0	0	0	65	0
					NOT CLR:	22	0	0	0	0	56.4	4.2	0.	0	0	0	22	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BOM-THR																		
1/ 7/79	BBB	343	361	272	FLT TOT:	39	0	25	19	7	17.6	.9	0.	79	76	57	39	0
		28	35	22	IN CLR:	24	0	15	12	1	0.0	0.0	0.	82	65	50	24	0
					NOT CLR:	15	0	10	7	6	45.8	2.5	0.	76	95	70	15	0
2/25/79	BBB	325	351	202	FLT TOT:	43	0	27	20	0	0.0	0.0	0.	52	13	70	43	0
		25	35	19	IN CLR:	43	0	27	20	0	0.0	0.0	0.	52	13	70	43	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/25/78	BBB	382	391	243	FLT TOT:	41	41	26	21	2	.0	.0	.131E+02	66	45	26	41	0
		25	34	19	IN CLR:	40	40	25	21	2	0.0	0.0	.134E+02	66	45	26	40	0
					NOT CLR:	1	1	1	0	0	1.6	1.0	0.	64	0	0	1	0
11/25/78 *	BBB	359	370	191	FLT TOT:	32	32	21	18	1	.6	.3	.980E+03	65	38	30	32	0
		27	35	20	IN CLR:	30	30	19	17	1	0.0	0.0	.844E+01	69	38	28	30	0
					NOT CLR:	2	2	2	1	0	9.4	4.0	.156E+05	28	39	56	2	0
12/17/78	BBB	344	350	219	FLT TOT:	42	42	25	18	0	0.0	0.0	.459E+02	72	33	25	0	0
		28	35	21	IN CLR:	42	42	25	18	0	0.0	0.0	.459E+02	72	33	25	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/17/78 *	BBB	369	370	349	FLT TOT:	27	27	15	12	0	0.0	0.0	.967E+01	69	32	23	0	0
		27	34	21	IN CLR:	27	27	15	12	0	0.0	0.0	.967E+01	69	32	23	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/23/78	BBB	347	350	280	FLT TOT:	37	37	0	17	0	0.0	0.0	.273E+02	0	18	31	0	0
		28	35	21	IN CLR:	37	37	0	17	0	0.0	0.0	.273E+02	0	18	31	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/23/78 *	BBB	360	370	231	FLT TOT:	31	31	0	14	0	0.0	0.0	.406E+02	0	23	34	0	0
		28	35	20	IN CLR:	31	31	0	14	0	0.0	0.0	.406E+02	0	23	34	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
BOS-DTW																		
9/15/76 *	BBA	344	370	196	FLT TOT:	10	0	6	0	0	0.0	0.0	0.	52	0	0	10	0
		42	43	42	IN CLR:	10	0	6	0	0	0.0	0.0	0.	52	0	0	10	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/15/76	BBA	320	351	231	FLT TOT:	11	0	8	0	0	0.0	0.0	0.	57	0	0	11	0
		43	43	43	IN CLR:	11	0	8	0	0	0.0	0.0	0.	57	0	0	11	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/16/76 *	BBA	350	369	269	FLT TOT:	10	0	6	0	0	0.0	0.0	0.	70	0	0	10	0
		42	43	42	IN CLR:	10	0	6	0	0	0.0	0.0	0.	70	0	0	10	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/16/76	BBA	371	390	291	FLT TOT:	10	0	6	0	0	0.0	0.0	0.	73	0	0	10	0
		43	43	43	IN CLR:	10	0	6	0	0	0.0	0.0	0.	73	0	0	10	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
BOS-DTW (CONT.)																		
9/27/77 *	ABA	328	330	311	FLT TOT:	9	0	5	0	0	0.0	0.0	0.	124	0	0	9	0
		42	43	42	IN CLR:	9	0	5	0	0	0.0	0.0	0.	124	0	0	9	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/27/77	ABA	385	430	231	FLT TOT:	8	0	5	0	0	0.0	0.0	0.	138	0	0	2	6
		43	43	43	IN CLR:	8	0	5	0	0	0.0	0.0	0.	138	0	0	2	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
BOS-LHR																		
5/28/77 *	AAA	389	392	353	FLT TOT:	31	31	17	0	0	0.0	0.0	.126E+02	383	0	0	1	30
		53	56	44	IN CLR:	31	31	17	0	0	0.0	0.0	.126E+02	383	0	0	1	30
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/28/77	AAA	370	370	369	FLT TOT:	16	16	3	0	0	.5	.1	.116E+05	221	0	0	8	8
		47	50	43	IN CLR:	15	15	2	0	0	0.0	0.0	.605E+02	303	0	0	7	8
					NOT CLR:	1	1	1	0	0	8.2	2.0	.185E+06	58	0	0	1	0
5/29/77 *	AAA	401	430	267	FLT TOT:	37	37	18	0	0	0.0	0.0	.179E+02	449	0	0	3	34
		53	55	44	IN CLR:	37	37	18	0	0	0.0	0.0	.179E+02	449	0	0	3	34
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/29/77	AAA	380	390	273	FLT TOT:	15	15	5	0	0	.6	.2	.208E+04	422	0	0	6	9
		50	52	44	IN CLR:	14	14	5	0	0	0.0	0.0	.217E+04	422	0	0	5	9
					NOT CLR:	1	1	0	0	0	9.4	3.0	.802E+03	0	0	0	1	0
9/15/76 *	BBA	369	390	230	FLT TOT:	73	0	48	0	0	0.0	0.0	0.	87	0	0	61	12
		50	53	44	IN CLR:	73	0	48	0	0	0.0	0.0	0.	87	0	0	61	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/16/76 *	BBA	359	389	282	FLT TOT:	71	0	39	0	0	0.0	0.0	0.	113	0	0	43	28
		53	56	44	IN CLR:	71	0	39	0	0	0.0	0.0	0.	113	0	0	43	28
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/16/76	BBA	317	369	246	FLT TOT:	49	0	32	0	0	0.0	0.0	0.	75	0	0	48	1
		50	53	44	IN CLR:	49	0	32	0	0	0.0	0.0	0.	75	0	0	48	1
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/17/76	BBA	343	350	252	FLT TOT:	56	0	35	0	0	0.0	0.0	0.	107	0	0	48	8
		50	53	44	IN CLR:	56	0	35	0	0	0.0	0.0	0.	107	0	0	48	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/26/77	ABA	406	411	291	FLT TOT:	50	0	32	0	0	.0	.0	0.	301	0	0	3	47
		50	52	43	IN CLR:	49	0	31	0	0	0.0	0.0	0.	297	0	0	3	46
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	428	0	0	0	1
9/26/77 *	ABA	402	430	339	FLT TOT:	68	0	42	0	0	.8	.1	0.	254	0	0	15	53
		53	56	44	IN CLR:	65	0	41	0	0	0.0	0.0	0.	257	0	0	13	52
					NOT CLR:	3	0	1	0	0	19.1	2.3	0.	160	0	0	2	1

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
BOS-LHR (CONT.)																			
9/27/77	*	ABA	398	430	275	FLT TOT:	75	0	45	0	0	2.4	.3	0.	144	0	0	35	40
			51	54	43	IN CLR:	71	0	43	0	0	0.0	0.0	0.	147	0	0	35	36
						NOT CLR:	4	0	2	0	0	45.0	6.3	0.	81	0	0	0	4
9/27/77		ABA	404	411	209	FLT TOT:	56	0	36	0	0	7.7	.5	0.	184	0	0	34	24
			50	52	43	IN CLR:	43	0	29	0	0	0.0	0.0	0.	209	0	0	19	24
						NOT CLR:	15	0	7	0	0	29.7	2.1	0.	80	0	0	15	0
9/28/77		ABA	403	410	234	FLT TOT:	49	0	31	0	0	.2	.1	0.	167	0	0	9	40
			50	53	43	IN CLR:	48	0	31	0	0	0.0	0.0	0.	167	0	0	8	40
						NOT CLR:	1	0	0	0	0	10.2	3.0	0.	0	0	0	1	0
BOS-SFO																			
12/29/75	*	CAA	383	410	214	FLT TOT:	30	0	30	0	0	9.4	.7	0.	153	0	0	13	17
			43	44	38	IN CLR:	23	0	23	0	0	0.0	0.0	0.	190	0	0	6	17
						NOT CLR:	7	0	7	0	0	40.2	2.9	0.	31	0	0	7	0
12/30/75		CAA	369	390	218	FLT TOT:	42	0	42	0	0	2.1	.0	0.	145	0	0	12	11
			41	43	38	IN CLR:	41	0	41	0	0	0.0	0.0	0.	147	0	0	11	11
						NOT CLR:	1	0	1	0	0	89.4	1.0	0.	35	0	0	1	0
CCS-GIG																			
4/ 8/76		BBA	360	371	207	FLT TOT:	36	0	36	0	0	2.0	.3	0.	35	0	0	11	0
			-6	9	-22	IN CLR:	32	0	32	0	0	0.0	0.0	0.	35	0	0	11	0
						NOT CLR:	4	0	4	0	0	18.2	3.0	0.	39	0	0	0	0
4/24/76		BBA	358	370	208	FLT TOT:	32	0	32	0	0	39.5	1.8	0.	33	0	0	13	0
			-4	9	-22	IN CLR:	13	0	13	0	0	0.0	0.0	0.	34	0	0	3	0
						NOT CLR:	19	0	19	0	0	66.6	3.1	0.	32	0	0	10	0
4/24/76	*	BBA	346	352	303	FLT TOT:	27	0	27	0	0	18.9	1.9	0.	33	0	0	12	0
			-1	9	-15	IN CLR:	12	0	12	0	0	0.0	0.0	0.	30	0	0	6	0
						NOT CLR:	15	0	15	0	0	34.1	3.5	0.	36	0	0	6	0
4/25/76		BBA	348	371	205	FLT TOT:	28	0	28	0	0	.6	.2	0.	41	0	0	11	0
			-2	9	-15	IN CLR:	25	0	25	0	0	0.0	0.0	0.	39	0	0	10	0
						NOT CLR:	3	0	3	0	0	5.8	2.0	0.	57	0	0	1	0
4/26/76	*	BBA	386	391	351	FLT TOT:	30	0	30	0	0	30.8	1.5	0.	37	0	0	13	0
			-3	9	-16	IN CLR:	6	0	6	0	0	0.0	0.0	0.	26	0	0	3	0
						NOT CLR:	24	0	24	0	0	38.5	1.9	0.	39	0	0	10	0
9/ 2/76		BBA	363	369	221	FLT TOT:	56	0	36	0	0	0.0	0.0	0.	52	0	0	56	0
			-6	9	-22	IN CLR:	56	0	36	0	0	0.0	0.0	0.	52	0	0	56	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O, H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
CCS-GUA																		
4/ 8/76 *	BBA	354	374	210	FLT TOT:	16	0	16	0	0	.5	.6	0.	48	0	0	16	0
		12	14	11	IN CLR:	15	0	15	0	0	0.0	0.0	0.	45	0	0	15	0
					NOT CLR:	1	0	1	0	0	7.5	9.0	0.	93	0	0	1	0
4/24/76 *	BBA	361	371	213	FLT TOT:	20	0	20	0	0	27.3	2.2	0.	62	0	0	20	0
		12	14	10	IN CLR:	8	0	8	0	0	0.0	0.0	0.	60	0	0	8	0
					NOT CLR:	12	0	12	0	0	45.5	3.7	0.	63	0	0	12	0
4/26/76	BBA	345	351	277	FLT TOT:	12	0	12	0	0	28.5	2.8	0.	54	0	0	12	0
		13	14	12	IN CLR:	2	0	2	0	0	0.0	0.0	0.	56	0	0	2	0
					NOT CLR:	10	0	10	0	0	34.2	3.4	0.	53	0	0	10	0
5/ 2/76 *	BBA	350	371	190	FLT TOT:	31	0	20	0	0	28.3	1.5	0.	46	0	0	31	0
		12	15	10	IN CLR:	13	0	9	0	0	0.0	0.0	0.	47	0	0	13	0
					NOT CLR:	18	0	11	0	0	48.8	2.6	0.	44	0	0	18	0
9/ 1/76 *	BBA	353	370	254	FLT TOT:	26	0	17	0	0	0.0	0.0	0.	51	0	0	26	0
		12	14	11	IN CLR:	26	0	17	0	0	0.0	0.0	0.	51	0	0	26	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
CCS-MIA																		
4/25/76 *	BBA	322	331	265	FLT TOT:	8	0	8	0	0	29.5	.5	0.	46	0	0	8	0
		14	18	11	IN CLR:	3	0	3	0	0	0.0	0.0	0.	48	0	0	3	0
					NOT CLR:	5	0	5	0	0	47.2	.8	0.	45	0	0	5	0
CHC-SYD																		
1/ 2/77	DDA	367	390	286	FLT TOT:	25	0	0	0	0	14.5	1.2	0.	0	0	0	25	0
		-39	-35	-43	IN CLR:	19	0	0	0	0	0.0	0.0	0.	0	0	0	19	0
					NOT CLR:	6	0	0	0	0	60.3	4.8	0.	0	0	0	6	0
1/ 2/77 *	DDA	301	330	257	FLT TOT:	19	0	0	0	0	25.3	2.5	0.	0	0	0	19	0
		-39	-35	-42	IN CLR:	10	0	0	0	0	0.0	0.0	0.	0	0	0	10	0
					NOT CLR:	9	0	0	0	0	53.3	5.2	0.	0	0	0	9	0
8/26/76	DDA	347	350	277	FLT TOT:	27	0	17	0	0	0.0	0.0	0.	194	0	0	24	3
		-39	-35	-43	IN CLR:	27	0	17	0	0	0.0	0.0	0.	194	0	0	24	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/26/76 *	DDA	321	331	199	FLT TOT:	22	0	14	0	0	1.1	.6	0.	176	0	0	22	0
		-39	-35	-43	IN CLR:	19	0	13	0	0	0.0	0.0	0.	185	0	0	19	0
					NOT CLR:	3	0	1	0	0	8.1	4.7	0.	61	0	0	3	0
12/19/76	DDA	345	350	281	FLT TOT:	25	0	0	0	0	3.2	.9	0.	0	0	0	0	0
		-39	-35	-43	IN CLR:	21	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	4	0	0	0	0	20.1	5.3	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
CHC-SYD (CONT.)																		
12/19/76 *	DDA	333	350	258	FLT TOT:	22	0	0	0	0	2.0	.5	0.	0	0	0	0	0
		-39	-35	-43	IN CLR:	19	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	3	0	0	0	0	14.9	3.3	0.	0	0	0	0	0
CLE-ORD																		
5/ 9/76	CAA	284	310	217	FLT TOT:	5	0	3	0	0	0.0	0.0	0.	90	0	0	5	0
		41	41	41	IN CLR:	5	0	3	0	0	0.0	0.0	0.	90	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/15/76	CAA	256	310	192	FLT TOT:	5	0	2	0	0	60.7	2.0	0.	41	0	0	5	0
		41	42	41	IN CLR:	1	0	1	0	0	0.0	0.0	0.	34	0	0	1	0
					NOT CLR:	4	0	1	0	0	75.9	2.5	0.	47	0	0	4	0
CPH-JFK																		
7/ 7/77 *	ACA	400	411	303	FLT TOT:	74	0	0	0	0	.0	0.0	0.	0	0	0	10	64
		53	58	41	IN CLR:	73	0	0	0	0	0.0	0.0	0.	0	0	0	9	64
					NOT CLR:	1	0	0	0	0	.4	0.0	0.	0	0	0	1	0
7/ 7/77	ACA	407	430	200	FLT TOT:	75	0	0	0	0	.1	0.0	0.	0	0	0	9	66
		55	60	41	IN CLR:	72	0	0	0	0	0.0	0.0	0.	0	0	0	6	66
					NOT CLR:	3	0	0	0	0	3.1	0.0	0.	0	0	0	3	0
7/11/77 *	ACA	368	370	288	FLT TOT:	72	72	46	0	0	0.0	0.0	.206E+03	296	0	0	29	43
		57	63	41	IN CLR:	72	72	46	0	0	0.0	0.0	.206E+03	296	0	0	29	43
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/11/77	ACA	391	430	293	FLT TOT:	79	79	52	0	0	.1	0.0	.287E+03	323	0	0	25	54
		54	58	42	IN CLR:	75	75	50	0	0	0.0	0.0	.372E+02	333	0	0	21	54
					NOT CLR:	4	4	2	0	0	2.4	0.0	.497E+04	80	0	0	4	0
7/16/77	ACA	380	391	304	FLT TOT:	80	80	54	0	0	1.2	0.0	.154E+04	394	0	0	23	57
		57	63	42	IN CLR:	78	78	53	0	0	0.0	0.0	.793E+02	397	0	0	21	57
					NOT CLR:	2	2	1	0	0	46.7	0.0	.585E+05	223	0	0	2	0
7/16/77 *	ACA	394	410	296	FLT TOT:	40	40	25	0	0	.4	0.0	.201E+04	210	0	0	22	18
		49	54	41	IN CLR:	37	37	24	0	0	0.0	0.0	.154E+03	215	0	0	19	18
					NOT CLR:	3	3	1	0	0	5.6	0.0	.248E+05	89	0	0	3	0
8/22/77 *	ABA	396	411	313	FLT TOT:	64	64	42	0	0	1.1	.1	.335E+04	267	0	0	6	58
		51	56	41	IN CLR:	61	61	41	0	0	0.0	0.0	.214E+02	271	0	0	3	58
					NOT CLR:	3	3	1	0	0	23.0	2.0	.710E+05	107	0	0	3	0
8/22/77	ABA	398	411	200	FLT TOT:	76	76	50	0	0	0.0	0.0	.315E+02	334	0	0	5	71
		56	62	41	IN CLR:	76	76	50	0	0	0.0	0.0	.315E+02	334	0	0	5	71
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
CPH-JFK (CONT.)																		
9/ 3/77	ABA	375	411	244	FLT TOT:	83	83	53	0	0	2.3	.5	.942E+04	312	0	0	9	74
		57	64	41	IN CLR:	75	75	47	0	0	0.0	0.0	.559E+02	337	0	0	9	66
					NOT CLR:	8	8	6	0	0	23.8	5.1	.972E+05	118	0	0	0	8
9/ 3/77 *	ABA	395	410	235	FLT TOT:	71	71	46	0	0	4.1	.4	.239E+05	237	0	0	21	50
		52	56	41	IN CLR:	62	62	42	0	0	0.0	0.0	.235E+02	253	0	0	12	50
					NOT CLR:	9	9	4	0	0	32.2	3.2	.188E+06	70	0	0	9	0
9/ 4/77 *	ABA	394	410	187	FLT TOT:	72	72	45	0	0	0.0	0.0	.202E+02	258	0	0	13	59
		52	56	41	IN CLR:	72	72	45	0	0	0.0	0.0	.202E+02	256	0	0	13	59
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 4/77	ABA	401	430	200	FLT TOT:	78	78	49	0	0	.2	.0	.848E+02	359	0	0	6	72
		56	62	41	IN CLR:	77	77	49	0	0	0.0	0.0	.828E+02	359	0	0	6	71
					NOT CLR:	1	1	0	0	0	16.9	2.0	.239E+03	0	0	0	0	1
9/ 9/77	ABA	402	430	207	FLT TOT:	83	83	56	0	0	0.0	0.0	.184E+02	290	0	0	11	72
		56	62	41	IN CLR:	83	83	56	0	0	0.0	0.0	.184E+02	290	0	0	11	72
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 9/77 *	ABA	375	410	216	FLT TOT:	67	67	46	0	0	6.7	.7	.370E+05	214	0	0	25	42
		53	56	42	IN CLR:	58	58	40	0	0	0.0	0.0	.838E+02	236	0	0	16	42
					NOT CLR:	9	9	6	0	0	49.7	5.0	.275E+06	63	0	0	9	0
CPT-LHR																		
10/29/77 *	ABB	363	430	283	FLT TOT:	42	0	0	0	0	5.8	.7	0.	0	0	0	38	4
		8	50	-32	IN CLR:	35	0	0	0	0	0.0	0.0	0.	0	0	0	31	4
					NOT CLR:	7	0	0	0	0	35.0	4.0	0.	0	0	0	7	0
CTS-JFK																		
2/18/78 *	ABB	370	391	230	FLT TOT:	63	63	41	36	0	.7	.0	.105E+02	613	42	46	1	62
		53	64	42	IN CLR:	62	62	40	35	0	0.0	0.0	.198E+01	628	40	46	0	62
					NOT CLR:	1	1	1	1	0	47.1	3.0	.540E+03	47	89	67	1	0
CUN-JFK																		
3/ 2/79 *	BBB	349	351	292	FLT TOT:	30	0	17	11	0	3.0	.6	0.	73	37	27	24	6
		31	39	22	IN CLR:	26	0	15	8	0	0.0	0.0	0.	77	30	19	20	6
					NOT CLR:	4	0	2	3	0	22.3	4.8	0.	41	56	47	4	0
3/ 2/79	BBB	324	370	212	FLT TOT:	25	0	16	12	4	17.6	1.0	0.	57	72	82	23	2
		31	39	23	IN CLR:	10	0	7	5	0	0.0	0.0	0.	68	38	43	9	1
					NOT CLR:	15	0	9	7	4	29.4	1.7	0.	49	96	110	14	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DEL-FRA																		
2/13/79	BBB	347	391	257	FLT TOT:	95	0	60	45	4	2.6	.6	0.	144	36	45	70	25
		33	49	25	IN CLR:	82	0	53	39	3	0.0	0.0	0.	155	28	40	57	25
					NOT CLR:	13	0	7	6	1	18.7	4.1	0.	64	85	75	13	0
2/16/79 *	BBB	327	330	198	FLT TOT:	75	0	48	42	1	8.5	.7	0.	77	30	30	75	0
		34	49	25	IN CLR:	62	0	40	34	1	0.0	0.0	0.	80	21	26	62	0
					NOT CLR:	13	0	8	8	0	49.2	3.9	0.	58	67	43	13	0
2/22/79	BBB	332	391	247	FLT TOT:	83	0	54	47	0	1.5	.0	0.	153	14	47	64	19
		32	49	25	IN CLR:	81	0	53	45	0	0.0	0.0	0.	155	12	44	62	19
					NOT CLR:	2	0	1	2	0	63.1	.5	0.	49	65	104	2	0
3/ 9/79 *	BBB	322	365	191	FLT TOT:	66	0	43	36	1	3.9	.3	0.	141	32	31	53	13
		38	48	28	IN CLR:	57	0	38	35	0	0.0	0.0	0.	152	30	30	44	13
					NOT CLR:	9	0	5	1	1	28.9	2.4	0.	54	100	58	9	0
3/14/79	BBB	360	391	280	FLT TOT:	90	0	56	43	4	11.8	.9	0.	144	50	28	51	39
		37	49	28	IN CLR:	68	0	43	31	0	0.0	0.0	0.	172	39	18	32	36
					NOT CLR:	22	0	13	12	4	48.1	3.6	0.	52	81	54	19	3
DEL-HKG																		
1/ 4/79 *	BBB	332	350	251	FLT TOT:	61	0	38	27	0	.0	.1	0.	34	37	75	61	0
		20	28	15	IN CLR:	59	0	37	26	0	0.0	0.0	0.	34	36	73	59	0
					NOT CLR:	2	0	1	1	0	1.0	2.0	0.	21	83	122	2	0
2/13/79 *	BBB	345	350	260	FLT TOT:	58	0	38	30	0	.1	.0	0.	43	32	78	58	0
		20	28	15	IN CLR:	57	0	37	29	0	0.0	0.0	0.	43	30	77	57	0
					NOT CLR:	1	0	1	1	0	8.2	2.0	0.	52	74	109	1	0
2/16/79	BBB	368	370	326	FLT TOT:	49	0	9	27	0	.6	.3	0.	39	43	50	49	0
		20	28	15	IN CLR:	44	0	6	26	0	0.0	0.0	0.	38	42	49	44	0
					NOT CLR:	5	0	3	1	0	5.6	3.2	0.	40	52	66	5	0
2/22/79 *	BBB	332	351	280	FLT TOT:	60	0	39	32	0	0.0	0.0	0.	53	14	69	60	0
		20	28	15	IN CLR:	60	0	39	32	0	0.0	0.0	0.	53	14	69	60	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 9/79	BBB	354	371	291	FLT TOT:	10	0	6	6	0	0.0	0.0	0.	52	20	44	10	0
		25	27	19	IN CLR:	10	0	6	6	0	0.0	0.0	0.	52	20	44	10	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/14/79 *	BBB	327	351	236	FLT TOT:	63	0	39	27	0	1.2	.1	0.	45	27	126	63	0
		21	28	15	IN CLR:	59	0	35	24	0	0.0	0.0	0.	46	21	81	59	0
					NOT CLR:	4	0	4	3	0	18.6	1.5	0.	31	76	489	4	0
5/11/79 *	BDB	307	311	223	FLT TOT:	57	57	0	14	1	22.8	2.3	.440E+06	0	40	383	57	0
		20	28	15	IN CLR:	31	31	0	10	0	0.0	0.0	.155E+03	0	18	208	31	0
					NOT CLR:	26	26	0	4	1	50.0	5.0	.965E+06	0	94	823	26	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DEL-HKG (CONT.)																		
5/30/79	BDB	365	370	223	FLT TOT:	57	57	36	29	6	12.1	1.2	.247E+06	73	70	179	57	0
		20	27	15	IN CLR:	31	31	19	14	0	0.0	0.0	.433E+04	77	50	176	31	0
					NOT CLR:	26	26	17	15	6	26.6	2.7	.537E+06	69	88	183	26	0
6/ 4/79 *	BDB	347	350	283	FLT TOT:	55	55	35	17	0	10.4	1.6	.342E+06	78	60	227	55	0
		20	28	15	IN CLR:	37	37	23	10	0	0.0	0.0	.834E+03	82	46	184	37	0
					NOT CLR:	18	18	12	7	0	31.8	4.9	.104E+07	70	79	287	18	0
10/15/78 *	BBB	329	350	243	FLT TOT:	72	72	47	0	0	4.8	.3	.278E+05	42	0	0	72	0
		17	28	8	IN CLR:	64	64	43	0	0	0.0	0.0	.397E+02	43	0	0	64	0
					NOT CLR:	8	8	4	0	0	43.3	2.4	.250E+06	35	0	0	8	0
10/29/78 *	BBB	331	350	207	FLT TOT:	57	57	37	28	1	1.5	.5	.330E+04	34	44	197	57	0
		20	28	15	IN CLR:	49	49	31	26	1	0.0	0.0	.931E+02	34	43	191	49	0
					NOT CLR:	8	8	6	2	0	10.6	3.3	.230E+05	34	52	282	8	0
12/26/78	BBB	367	370	269	FLT TOT:	55	55	0	28	0	0.0	0.0	.116E+02	0	19	26	0	0
		20	28	15	IN CLR:	55	55	0	28	0	0.0	0.0	.116E+02	0	19	26	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
DEL-IST																		
1/ 4/79	BBB	313	350	240	FLT TOT:	57	0	34	29	0	11.6	.8	0.	63	36	40	57	0
		34	40	28	IN CLR:	44	0	28	27	0	0.0	0.0	0.	65	33	40	44	0
					NOT CLR:	13	0	6	2	0	50.7	3.7	0.	55	78	45	13	0
DEL-KHI																		
4/20/76 *	BBA	308	331	216	FLT TOT:	5	0	5	0	0	12.9	2.0	0.	75	0	0	5	0
		28	29	26	IN CLR:	2	0	2	0	0	0.0	0.0	0.	71	0	0	2	0
					NOT CLR:	3	0	3	0	0	21.4	3.3	0.	77	0	0	3	0
5/11/79	BDB	346	351	300	FLT TOT:	11	11	0	6	0	0.0	0.0	.143E+03	0	21	76	11	0
		28	29	26	IN CLR:	11	11	0	6	0	0.0	0.0	.143E+03	0	21	76	11	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 4/79	BDB	337	350	276	FLT TOT:	11	11	7	5	3	0.0	0.0	.568E+03	77	75	244	11	0
		28	29	26	IN CLR:	11	11	7	5	3	0.0	0.0	.568E+03	77	75	244	11	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
DEL-THR																		
1/24/76	BBA	343	350	216	FLT TOT:	25	0	25	0	0	24.1	2.2	0.	29	0	0	25	0
		30	34	28	IN CLR:	9	0	9	0	0	0.0	0.0	0.	35	0	0	9	0
					NOT CLR:	16	0	16	0	0	37.6	3.4	0.	25	0	0	16	0
3/20/76	BBA	337	350	206	FLT TOT:	24	0	24	0	0	1.3	.1	0.	171	0	0	24	0
		30	35	28	IN CLR:	23	0	23	0	0	0.0	0.0	0.	176	0	0	23	0
					NOT CLR:	1	0	1	0	0	30.6	2.0	0.	55	0	0	1	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DEL-THR (CONT.)																		
3/23/76 *	BBA	363	372	221	FLT TOT:	21	0	21	0	0	.0	.0	0.	102	0	0	21	0
		30	35	28	IN CLR:	20	0	20	0	0	0.0	0.0	0.	102	0	0	20	0
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	116	0	0	1	0
5/30/79 *	BDB	326	331	270	FLT TOT:	28	28	17	12	2	5.9	.6	.390E+05	66	58	183	28	0
		30	34	29	IN CLR:	23	23	14	8	1	0.0	0.0	.117E+05	67	50	198	23	0
					NOT CLR:	5	5	3	4	1	32.9	3.4	.165E+06	61	74	151	5	0
9/ 7/76	BBA	339	350	198	FLT TOT:	32	0	20	0	0	0.0	0.0	0.	43	0	0	32	0
		30	35	28	IN CLR:	32	0	20	0	0	0.0	0.0	0.	43	0	0	32	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/11/77 *	BCB	326	331	259	FLT TOT:	26	26	0	0	0	0.0	0.0	.334E+02	0	0	0	26	0
		30	34	28	IN CLR:	26	26	0	0	0	0.0	0.0	.334E+02	0	0	0	26	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/15/78	BBB	343	351	238	FLT TOT:	30	30	10	0	0	0.0	0.0	.235E+02	90	0	0	30	0
		30	35	28	IN CLR:	30	30	10	0	0	0.0	0.0	.235E+02	90	0	0	30	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/29/78	BBB	280	280	269	FLT TOT:	34	34	20	19	0	0.0	0.0	.571E+01	45	41	135	34	0
		30	35	28	IN CLR:	34	34	20	19	0	0.0	0.0	.571E+01	45	41	135	34	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 7/78 *	BBB	290	290	290	FLT TOT:	28	28	18	13	0	5.6	.9	.117E+06	51	35	80	28	0
		30	34	28	IN CLR:	23	23	15	10	0	0.0	0.0	.111E+02	52	23	59	23	0
					NOT CLR:	5	5	3	3	0	31.4	5.2	.657E+06	42	75	148	5	0
12/26/78 *	BBB	329	331	285	FLT TOT:	29	29	0	16	1	21.6	.8	.645E+05	0	49	51	0	0
		30	35	28	IN CLR:	18	18	0	10	0	0.0	0.0	0.	0	40	46	0	0
					NOT CLR:	11	11	0	6	1	57.0	2.2	.170E+06	0	63	61	0	0
DEN-LAX																		
2/ 6/76 *	CAA	339	370	212	FLT TOT:	12	0	12	9	0	1.7	.1	0.	97	34	63	3	9
		37	39	34	IN CLR:	11	0	11	8	0	0.0	0.0	0.	102	33	64	2	9
					NOT CLR:	1	0	1	1	0	20.0	1.0	0.	39	39	56	1	0
2/15/79 *	CAB	352	371	221	FLT TOT:	14	14	9	7	0	0.0	0.0	.943E+02	123	47	82	14	0
		37	40	35	IN CLR:	14	14	9	7	0	0.0	0.0	.943E+02	123	47	82	14	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/22/79 *	CAB	360	371	281	FLT TOT:	14	14	9	6	1	0.0	0.0	.304E+02	391	68	76	2	12
		37	39	35	IN CLR:	14	14	9	6	1	0.0	0.0	.304E+02	391	68	76	2	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/13/79 *	CAB	347	370	246	FLT TOT:	7	7	3	4	0	11.8	.4	.230E+05	349	31	28	1	6
		36	39	35	IN CLR:	4	4	2	2	0	0.0	0.0	.631E+04	346	37	17	0	4
					NOT CLR:	3	3	1	2	0	27.5	1.0	.452E+05	354	24	38	1	2

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DEN-LAX (CONT.)																		
3/13/79	CAB	368	391	283	FLT TOT:	7	7	2	2	1	.2	0.0	.110E+05	494	65	29	1	6
		38	39	35	IN CLR:	5	5	1	2	1	0.0	0.0	.494E+02	454	65	29	1	4
					NOT CLR:	2	2	1	0	0	.8	0.0	.385E+05	534	0	0	0	2
3/17/79 *	CAB	364	371	313	FLT TOT:	13	13	8	7	1	0.0	0.0	.384E+03	417	75	58	1	12
		37	39	35	IN CLR:	13	13	8	7	1	0.0	0.0	.384E+03	417	75	58	1	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/20/79 *	CAB	318	332	211	FLT TOT:	15	15	9	9	3	5.3	.1	.579E+04	189	64	86	10	5
		37	39	35	IN CLR:	13	13	8	7	3	0.0	0.0	.412E+04	207	76	93	8	5
					NOT CLR:	2	2	1	2	0	39.4	1.0	.166E+05	48	24	60	2	0
3/22/79 *	CAB	289	370	200	FLT TOT:	14	14	6	5	0	3.3	.4	.133E+04	236	61	249	8	6
		38	39	35	IN CLR:	11	11	5	4	0	0.0	0.0	.772E+03	264	53	211	5	6
					NOT CLR:	3	3	1	1	0	15.3	1.7	.339E+04	95	95	400	3	0
3/29/79	CAB	383	390	308	FLT TOT:	14	14	9	1	1	0.0	0.0	.455E+02	509	100	123	1	13
		37	39	35	IN CLR:	14	14	9	1	1	0.0	0.0	.455E+02	509	100	123	1	13
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/ 9/76	CAA	364	389	216	FLT TOT:	9	0	9	9	2	1.2	.1	0.	159	94	158	9	0
		37	40	35	IN CLR:	8	0	8	8	1	0.0	0.0	0.	170	94	170	8	0
					NOT CLR:	1	0	1	1	1	11.0	1.0	0.	78	100	59	1	0
4/ 9/76 *	CAA	345	371	214	FLT TOT:	8	0	8	8	4	0.0	0.0	0.	97	89	163	8	0
		37	39	35	IN CLR:	8	0	8	8	4	0.0	0.0	0.	97	89	163	8	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/18/76 *	CAA	346	370	216	FLT TOT:	7	0	7	0	0	0.0	0.0	0.	194	0	0	5	2
		36	38	34	IN CLR:	7	0	7	0	0	0.0	0.0	0.	194	0	0	5	2
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/11/76 *	CAA	394	430	220	FLT TOT:	17	0	11	0	0	3.0	.2	0.	255	0	0	7	10
		37	39	34	IN CLR:	16	0	10	0	0	0.0	0.0	0.	275	0	0	6	10
					NOT CLR:	1	0	1	0	0	51.0	3.0	0.	60	0	0	1	0
5/11/76	CAA	362	409	220	FLT TOT:	16	0	11	0	0	36.4	1.8	0.	144	0	0	16	0
		37	40	34	IN CLR:	4	0	3	0	0	0.0	0.0	0.	193	0	0	4	0
					NOT CLR:	12	0	8	0	0	48.6	2.4	0.	126	0	0	12	0
6/15/78	CAB	375	391	261	FLT TOT:	17	17	10	8	0	0.0	0.0	.677E+03	76	40	34	17	0
		37	39	35	IN CLR:	17	17	10	8	0	0.0	0.0	.677E+03	76	40	34	17	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/28/78	CAB	365	390	240	FLT TOT:	16	16	10	10	0	.5	.1	.787E+02	105	29	48	16	0
		37	39	35	IN CLR:	15	15	10	9	0	0.0	0.0	.839E+02	105	29	51	15	0
					NOT CLR:	1	1	0	1	0	8.2	2.0	0.	0	28	27	1	0
6/ 3/79	CAB	362	390	228	FLT TOT:	13	13	0	9	0	5.3	.2	.104E+05	0	30	25	13	0
		37	39	34	IN CLR:	10	10	0	7	0	0.0	0.0	.225E+04	0	37	20	10	0
					NOT CLR:	3	3	0	2	0	23.0	.7	.377E+05	0	7	43	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DEN-LAX (CONT.)																		
6/ 5/79 *	CAB	368	371	333	FLT TOT:	15	15	0	7	0	31.0	1.5	.988E+05	0	75	33	15	0
		37	39	35	IN CLR:	7	7	0	2	0	0.0	0.0	.103E+05	0	81	43	7	0
					NOT CLR:	8	8	0	5	0	58.0	2.9	.176E+06	0	72	29	8	0
7/ 1/78 *	CAB	347	371	190	FLT TOT:	14	14	9	8	0	0.0	0.0	.123E+03	74	17	261	14	0
		37	39	35	IN CLR:	14	14	9	8	0	0.0	0.0	.123E+03	74	17	261	14	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 6/78 *	CAB	347	371	230	FLT TOT:	13	13	7	7	0	.0	.1	.349E+02	182	8	11	13	0
		37	39	35	IN CLR:	12	12	7	7	0	0.0	0.0	.327E+02	182	8	11	12	0
					NOT CLR:	1	1	0	0	0	.4	1.0	.616E+02	0	0	0	1	0
7/ 8/78 *	CAB	360	371	312	FLT TOT:	13	13	8	7	0	2.7	.7	.380E+04	45	5	6	13	0
		37	39	35	IN CLR:	10	10	5	4	0	0.0	0.0	.627E+01	47	6	8	10	0
					NOT CLR:	3	3	3	3	0	11.6	3.0	.164E+05	42	3	3	3	0
DEN-ORD																		
2/15/79	CAB	360	370	290	FLT TOT:	12	12	7	6	0	0.0	0.0	.848E+02	75	43	60	12	0
		41	42	40	IN CLR:	12	12	7	6	0	0.0	0.0	.848E+02	75	43	60	12	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/22/79	CAB	370	370	369	FLT TOT:	11	11	7	4	4	0.0	0.0	.458E+02	111	100	36	9	2
		41	42	40	IN CLR:	11	11	7	4	4	0.0	0.0	.458E+02	111	100	36	9	2
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/13/79 *	CAB	316	391	201	FLT TOT:	14	13	6	6	0	36.7	.4	.769E+05	322	21	46	6	8
		41	42	40	IN CLR:	8	7	4	4	0	0.0	0.0	.402E+04	434	20	28	1	7
					NOT CLR:	6	6	2	2	0	85.6	.8	.162E+06	99	21	81	5	1
3/13/79	CAB	352	371	283	FLT TOT:	10	8	5	5	0	25.6	.8	.424E+05	322	23	13	1	9
		41	42	40	IN CLR:	6	4	4	3	0	0.0	0.0	.171E+04	362	22	12	0	6
					NOT CLR:	4	4	1	2	0	64.1	2.0	.831E+05	164	25	15	1	3
3/17/79	CAB	392	410	270	FLT TOT:	14	14	9	7	6	5.6	.6	.352E+05	346	89	37	2	12
		41	42	40	IN CLR:	12	12	8	6	6	0.0	0.0	.357E+03	383	100	32	0	12
					NOT CLR:	2	2	1	1	0	39.0	4.0	.244E+06	51	25	65	2	0
3/20/79	CAB	345	371	260	FLT TOT:	12	12	8	6	4	23.1	1.3	.338E+05	121	90	66	6	6
		41	42	40	IN CLR:	5	5	2	2	1	0.0	0.0	.305E+03	186	99	64	0	5
					NOT CLR:	7	7	6	4	3	39.6	2.3	.578E+05	100	86	67	6	1
3/22/79	CAB	343	370	210	FLT TOT:	9	9	4	4	0	1.4	.4	.124E+05	116	50	39	2	7
		41	42	40	IN CLR:	6	6	2	3	0	0.0	0.0	.274E+04	181	64	31	1	5
					NOT CLR:	3	3	2	1	0	4.3	1.3	.317E+05	52	7	65	1	2
3/29/79 *	CAB	380	391	259	FLT TOT:	18	18	10	0	0	9.7	.4	.443E+05	190	0	0	10	8
		42	42	40	IN CLR:	14	14	9	0	0	0.0	0.0	.392E+03	208	0	0	6	8
					NOT CLR:	4	4	1	0	0	43.8	2.0	.198E+06	36	0	0	4	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DEN-ORD (CONT.)																		
6/15/78 *	CAB	371	410	201	FLT TOT:	17	17	10	8	3	10.8	.4	.361E+05	78	82	105	17	0
		39	41	39	IN CLR:	13	13	8	8	3	0.0	0.0	.591E+02	80	82	105	13	0
					NOT CLR:	4	4	2	0	0	46.0	1.5	.153E+06	67	0	0	4	0
6/28/78 *	CAB	372	391	222	FLT TOT:	18	18	11	10	0	1.5	.2	.298E+03	65	43	27	18	0
		41	42	40	IN CLR:	17	17	10	10	0	0.0	0.0	.166E+03	67	43	27	17	0
					NOT CLR:	1	1	1	0	0	26.7	4.0	.255E+04	40	0	0	1	0
6/ 3/79 *	CAB	371	390	200	FLT TOT:	17	17	0	9	0	6.1	.1	.107E+05	0	43	29	6	11
		41	42	40	IN CLR:	15	15	0	9	0	0.0	0.0	.427E+04	0	43	29	4	11
					NOT CLR:	2	2	0	0	0	52.0	1.0	.593E+05	0	0	0	2	0
6/ 5/79	CAB	393	411	284	FLT TOT:	14	14	0	7	1	.8	.1	.272E+04	0	40	24	7	7
		41	43	40	IN CLR:	13	13	0	7	1	0.0	0.0	.188E+04	0	40	24	6	7
					NOT CLR:	1	1	0	0	0	11.8	1.0	.137E+05	0	0	0	1	0
7/ 1/78	CAB	352	370	203	FLT TOT:	16	16	10	10	0	.2	.3	.103E+03	91	4	6	16	0
		41	42	40	IN CLR:	14	14	9	9	0	0.0	0.0	.113E+03	92	4	6	14	0
					NOT CLR:	2	2	1	1	0	1.6	2.0	.319E+02	83	3	5	2	0
7/ 6/78	CAB	361	370	301	FLT TOT:	12	12	7	2	0	40.7	2.2	.128E+06	66	38	38	12	0
		41	42	40	IN CLR:	3	3	1	1	0	0.0	0.0	.152E+03	105	16	17	3	0
					NOT CLR:	9	9	6	1	0	54.2	2.9	.171E+06	59	59	59	9	0
7/ 8/78	CAB	356	371	232	FLT TOT:	14	14	8	8	0	0.0	0.0	.330E+02	56	26	68	14	0
		41	42	40	IN CLR:	14	14	8	8	0	0.0	0.0	.330E+02	56	26	68	14	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
DFW-HNL																		
3/28/77	AAA	408	421	272	FLT TOT:	85	85	0	70	1	0.0	0.0	.368E+01	0	18	12	0	0
		30	35	21	IN CLR:	85	85	0	70	1	0.0	0.0	.368E+01	0	18	12	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/30/77 *	AAA	418	431	221	FLT TOT:	64	64	0	54	0	0.0	0.0	.711E+01	0	15	17	0	0
		30	34	22	IN CLR:	64	64	0	54	0	0.0	0.0	.711E+01	0	15	17	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 2/77	AAA	410	420	326	FLT TOT:	78	78	52	0	0	4.6	.2	.102E+05	309	0	0	43	35
		31	35	21	IN CLR:	64	64	44	0	0	0.0	0.0	.588E+03	341	0	0	29	35
					NOT CLR:	14	14	8	0	0	25.7	1.4	.541E+05	138	0	0	14	0
5/ 4/77 *	AAA	380	390	247	FLT TOT:	72	72	44	0	0	11.7	.4	.515E+05	101	0	0	66	6
		30	33	22	IN CLR:	62	62	38	0	0	0.0	0.0	.118E+03	109	0	0	56	6
					NOT CLR:	10	10	6	0	0	84.5	2.9	.370E+06	53	0	0	10	0
5/ 9/77	AAA	405	420	224	FLT TOT:	86	86	55	0	0	2.9	.3	.408E+05	262	0	0	37	49
		32	38	22	IN CLR:	79	79	50	0	0	0.0	0.0	.127E+03	278	0	0	30	49
					NOT CLR:	7	7	5	0	0	35.1	4.0	.500E+06	102	0	0	7	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DFW-HNL (CONT.)																		
5/11/77 *	AAA	393	411	339	FLT TOT:	66	66	45	0	0	10.7	.3	.146E+05	232	0	0	37	29
		31	34	22	IN CLR:	49	49	34	0	0	0.0	0.0	.109E+03	298	0	0	20	29
					NOT CLR:	17	17	11	0	0	41.4	1.2	.565E+05	29	0	0	17	0
5/16/77	AAA	390	401	235	FLT TOT:	40	40	25	0	0	0.0	0.0	.900E+02	128	0	0	30	10
		30	35	21	IN CLR:	40	40	25	0	0	0.0	0.0	.900E+02	128	0	0	30	10
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/18/77 *	AAA	400	411	370	FLT TOT:	23	23	11	0	0	0.0	0.0	.228E+02	243	0	0	14	9
		27	32	22	IN CLR:	23	23	11	0	0	0.0	0.0	.228E+02	243	0	0	14	9
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/13/76	AAA	413	430	289	FLT TOT:	80	0	52	0	0	0.0	0.0	0.	104	0	0	51	29
		31	34	22	IN CLR:	80	0	52	0	0	0.0	0.0	0.	104	0	0	51	29
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/15/76 *	AAA	337	340	248	FLT TOT:	72	0	48	0	0	.0	.1	0.	61	0	0	72	0
		30	33	22	IN CLR:	71	0	48	0	0	0.0	0.0	0.	61	0	0	71	0
					NOT CLR:	1	0	0	0	0	3.5	4.0	0.	0	0	0	1	0
12/20/76	AAA	347	350	190	FLT TOT:	86	0	49	45	10	11.6	1.3	0.	95	73	64	72	14
		32	38	22	IN CLR:	53	0	33	28	3	0.0	0.0	0.	113	62	65	39	14
					NOT CLR:	33	0	16	17	7	30.1	3.4	0.	58	92	64	33	0
12/22/76 *	AAA	426	450	280	FLT TOT:	66	0	45	0	0	0.0	0.0	0.	160	0	0	42	24
		29	33	22	IN CLR:	66	0	45	0	0	0.0	0.0	0.	160	0	0	42	24
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/27/76	AAA	339	351	269	FLT TOT:	95	0	13	0	0	16.4	1.0	0.	62	0	0	95	0
		30	34	21	IN CLR:	52	0	9	0	0	0.0	0.0	0.	62	0	0	52	0
					NOT CLR:	43	0	4	0	0	36.2	2.2	0.	62	0	0	43	0
12/29/76 *	AAA	421	430	314	FLT TOT:	67	0	44	53	0	.0	.0	0.	137	46	15	20	47
		31	35	22	IN CLR:	66	0	43	53	0	0.0	0.0	0.	139	46	15	19	47
					NOT CLR:	1	0	1	0	0	.6	1.0	0.	63	0	0	1	0
DFW-JFK																		
3/28/77 *	AAA	420	433	217	FLT TOT:	29	29	0	23	8	10.5	.5	.489E+05	0	54	13	0	0
		37	40	33	IN CLR:	23	23	0	18	3	0.0	0.0	.180E+02	0	41	14	0	0
					NOT CLR:	6	6	0	5	5	50.7	2.3	.236E+06	0	100	10	0	0
3/30/77	AAA	404	410	345	FLT TOT:	22	22	0	19	0	.2	.0	.257E+01	0	23	15	0	0
		37	39	33	IN CLR:	21	21	0	18	0	0.0	0.0	.270E+01	0	20	12	0	0
					NOT CLR:	1	1	0	1	0	3.5	1.0	0.	0	84	53	0	0
5/ 2/77 *	AAA	422	429	274	FLT TOT:	29	29	18	0	0	2.0	.1	.125E+05	304	0	0	2	27
		37	40	34	IN CLR:	27	27	17	0	0	0.0	0.0	.901E+02	318	0	0	1	26
					NOT CLR:	2	2	1	0	0	28.6	1.5	.180E+06	74	0	0	1	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DFW-JFK (CONT.)																		
5/ 4/77	AAA	415	430	329	FLT TOT:	24	24	15	0	0	23.5	.9	.628E+05	233	0	0	13	11
		37	39	33	IN CLR:	12	12	8	0	0	0.0	0.0	.515E+02	314	0	0	1	11
					NOT CLR:	12	12	7	0	0	47.1	1.8	.126E+06	142	0	0	12	0
5/ 9/77 *	AAA	417	430	264	FLT TOT:	26	26	15	0	0	.9	.0	.490E+04	472	0	0	2	24
		37	40	33	IN CLR:	24	24	14	0	0	0.0	0.0	.373E+02	503	0	0	0	24
					NOT CLR:	2	2	1	0	0	12.2	.5	.632E+05	39	0	0	2	0
5/11/77	AAA	398	410	223	FLT TOT:	24	24	16	0	0	1.1	.1	.227E+02	348	0	0	2	22
		37	39	33	IN CLR:	22	22	15	0	0	0.0	0.0	.247E+02	369	0	0	0	22
					NOT CLR:	2	2	1	0	0	12.7	1.5	0.	38	0	0	2	0
5/16/77 *	AAA	399	430	206	FLT TOT:	10	10	4	0	0	5.1	.5	0.	90	0	0	6	4
		36	39	33	IN CLR:	9	9	4	0	0	0.0	0.0	0.	90	0	0	5	4
					NOT CLR:	1	1	0	0	0	50.6	5.0	0.	0	0	0	1	0
5/18/77	AAA	404	410	367	FLT TOT:	7	7	3	0	0	10.3	.9	.855E+05	150	0	0	5	2
		37	39	33	IN CLR:	5	5	3	0	0	0.0	0.0	0.	150	0	0	4	1
					NOT CLR:	2	2	0	0	0	35.9	3.0	.299E+06	0	0	0	1	1
12/13/76 *	AAA	425	430	342	FLT TOT:	32	0	0	0	0	0.0	0.0	0.	0	0	0	6	26
		37	40	34	IN CLR:	32	0	0	0	0	0.0	0.0	0.	0	0	0	6	26
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/15/76	AAA	327	331	271	FLT TOT:	25	0	17	0	0	3.5	.4	0.	59	0	0	25	0
		36	39	33	IN CLR:	23	0	16	0	0	0.0	0.0	0.	60	0	0	23	0
					NOT CLR:	2	0	1	0	0	43.3	5.5	0.	51	0	0	2	0
12/20/76 *	AAA	348	350	318	FLT TOT:	36	0	23	0	0	7.5	1.4	0.	110	0	0	36	0
		37	40	34	IN CLR:	28	0	18	0	0	0.0	0.0	0.	126	0	0	28	0
					NOT CLR:	8	0	5	0	0	34.0	6.4	0.	50	0	0	8	0
12/22/76	AAA	438	450	314	FLT TOT:	24	0	0	0	0	0.0	0.0	0.	0	0	0	2	22
		37	39	33	IN CLR:	24	0	0	0	0	0.0	0.0	0.	0	0	0	2	22
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/27/76 *	AAA	342	350	193	FLT TOT:	32	0	21	0	0	13.3	1.0	0.	87	0	0	25	7
		37	40	33	IN CLR:	20	0	11	0	0	0.0	0.0	0.	110	0	0	13	7
					NOT CLR:	12	0	10	0	0	35.6	2.6	0.	61	0	0	12	0
12/29/76	AAA	398	410	240	FLT TOT:	22	0	14	17	0	0.0	0.0	0.	492	23	19	4	18
		37	39	33	IN CLR:	22	0	14	17	0	0.0	0.0	0.	492	23	19	4	18
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
DRW-SYD																		
8/18/76 *	DDA	347	352	273	FLT TOT:	37	0	24	0	0	0.0	0.0	0.	35	0	0	37	0
		-23	-14	-33	IN CLR:	37	0	24	0	0	0.0	0.0	0.	35	0	0	37	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DRW-SYD (CONT.)																		
8/20/76	DDA	344	370	223	FLT TOT:	33	0	20	0	0	0.0	0.0	0.	40	0	0	33	0
		-24	-14	-33	IN CLR:	33	0	20	0	0	0.0	0.0	0.	40	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
DTW-HNL																		
4/25/76 *	CAA	326	370	194	FLT TOT:	42	0	42	0	0	2.0	.3	0.	147	0	0	37	5
		38	42	29	IN CLR:	39	0	39	0	0	0.0	0.0	0.	153	0	0	34	5
					NOT CLR:	3	0	3	0	0	28.0	4.3	0.	72	0	0	3	0
DTW-IAD																		
6/ 6/79 *	BDB	294	311	228	FLT TOT:	5	5	2	1	1	0.0	0.0	.183E+04	53	100	296	5	0
		41	41	40	IN CLR:	5	5	2	1	1	0.0	0.0	.183E+04	53	100	296	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/30/78 *	BBB	303	311	283	FLT TOT:	5	5	3	0	0	22.5	1.6	.631E+06	75	0	0	5	0
		40	41	40	IN CLR:	3	3	1	0	0	0.0	0.0	.410E+04	55	0	0	3	0
					NOT CLR:	2	2	2	0	0	56.3	4.0	.157E+07	85	0	0	2	0
10/ 1/78	BBB	263	291	245	FLT TOT:	6	6	3	0	0	54.1	3.2	.540E+06	67	0	0	6	0
		41	42	40	IN CLR:	1	1	1	0	0	0.0	0.0	.625E+02	50	0	0	1	0
					NOT CLR:	5	5	2	0	0	64.9	3.8	.648E+06	76	0	0	5	0
10/ 6/78 *	BBB	298	310	250	FLT TOT:	5	5	2	0	0	0.0	0.0	.798E+03	148	0	0	5	0
		41	41	40	IN CLR:	5	5	2	0	0	0.0	0.0	.798E+03	148	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/ 7/78 *	BBB	300	310	258	FLT TOT:	6	6	3	0	0	7.5	.2	.215E+05	115	0	0	6	0
		40	41	40	IN CLR:	5	5	3	0	0	0.0	0.0	.148E+03	115	0	0	5	0
					NOT CLR:	1	1	0	0	0	44.7	1.0	.128E+06	0	0	0	1	0
10/ 7/78	BBB	278	291	232	FLT TOT:	5	5	2	0	0	0.0	0.0	.296E+03	90	0	0	5	0
		40	41	39	IN CLR:	5	5	2	0	0	0.0	0.0	.296E+03	90	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/16/78	BBB	277	290	226	FLT TOT:	5	5	2	3	2	80.2	2.0	.230E+06	23	96	271	5	0
		40	41	39	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	5	5	2	3	2	80.2	2.0	.230E+06	23	96	271	5	0
12/15/78	BBB	277	289	227	FLT TOT:	5	5	2	0	0	0.0	0.0	0.	46	0	0	0	0
		40	41	39	IN CLR:	5	5	2	0	0	0.0	0.0	0.	46	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/15/78 *	BBB	294	310	240	FLT TOT:	6	6	3	3	0	0.0	0.0	.110E+02	30	53	55	0	0
		40	41	40	IN CLR:	6	6	3	3	0	0.0	0.0	.110E+02	30	53	55	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
DTW-LHR																		
5/26/77	AAA	393	410	270	FLT TOT:	36	36	20	0	0	1.7	.3	.163E+03	543	0	0	5	31
		47	51	42	IN CLR:	33	33	19	0	0	0.0	0.0	.398E+01	560	0	0	3	30
					NOT CLR:	3	3	1	0	0	20.1	3.0	.191E+04	217	0	0	2	1
5/27/77 *	AAA	382	391	216	FLT TOT:	38	38	19	0	0	.8	.0	.106E+04	360	0	0	6	32
		51	56	43	IN CLR:	36	36	17	0	0	0.0	0.0	.136E+02	389	0	0	4	32
					NOT CLR:	2	2	2	0	0	16.1	.5	.199E+05	121	0	0	2	0
FAI-SEA																		
12/13/77	BCB	366	370	291	FLT TOT:	27	27	17	0	0	0.0	0.0	.209E+02	259	0	0	1	26
		57	64	49	IN CLR:	27	27	17	0	0	0.0	0.0	.209E+02	259	0	0	1	26
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/13/77 *	BCB	343	351	266	FLT TOT:	29	29	18	0	0	0.0	0.0	.724E+02	196	0	0	15	14
		57	64	49	IN CLR:	29	29	18	0	0	0.0	0.0	.724E+02	196	0	0	15	14
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
FCO-IST																		
1/ 6/79	BBB	345	371	224	FLT TOT:	16	0	9	7	2	.1	.1	0.	207	55	62	16	0
		43	44	41	IN CLR:	15	0	9	7	2	0.0	0.0	0.	207	55	62	15	0
					NOT CLR:	1	0	0	0	0	1.2	1.0	0.	0	0	0	1	0
1/ 7/79 *	BBB	268	280	260	FLT TOT:	18	0	11	10	0	0.0	0.0	0.	67	26	46	18	0
		43	44	42	IN CLR:	18	0	11	10	0	0.0	0.0	0.	67	26	46	18	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/24/79	BBB	326	330	276	FLT TOT:	15	0	9	7	2	10.6	.5	0.	136	57	20	11	4
		43	44	41	IN CLR:	12	0	7	4	0	0.0	0.0	0.	152	27	10	8	4
					NOT CLR:	3	0	2	3	2	52.9	2.7	0.	82	97	34	3	0
2/25/79 *	BBB	303	310	280	FLT TOT:	18	0	11	7	0	.9	.2	0.	69	39	19	18	0
		43	44	42	IN CLR:	16	0	9	5	0	0.0	0.0	0.	74	35	15	16	0
					NOT CLR:	2	0	2	2	0	8.2	2.0	0.	48	49	27	2	0
3/16/79	BBB	317	331	230	FLT TOT:	15	0	9	8	0	1.7	.3	0.	213	43	42	15	0
		43	44	41	IN CLR:	13	0	8	7	0	0.0	0.0	0.	202	36	40	13	0
					NOT CLR:	2	0	1	1	0	12.5	2.5	0.	303	99	55	2	0
3/17/79 *	BBB	388	391	364	FLT TOT:	12	0	0	4	0	4.7	.3	0.	0	19	35	0	12
		43	44	42	IN CLR:	11	0	0	4	0	0.0	0.0	0.	0	19	35	0	11
					NOT CLR:	1	0	0	0	0	56.9	4.0	0.	0	0	0	0	1
11/22/78	BBB	300	330	227	FLT TOT:	18	18	11	10	0	0.0	0.0	.109E+02	56	44	74	18	0
		43	44	41	IN CLR:	18	18	11	10	0	0.0	0.0	.109E+02	56	44	74	18	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL EXHI EXLO ALAT EXTN EXTS				NUMBER OF OBS CLD PDS		OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
FCO-IST (CONT.)																		
11/23/78 *	BBB	272	350	200	FLT TOT:	16	16	10	10	0	0.0	0.0	.722E+02	52	18	40	16	0
		43	44	42	IN CLR:	16	16	10	10	0	0.0	0.0	.722E+02	52	18	40	16	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/25/78	BBB	342	370	265	FLT TOT:	16	16	10	9	0	0.0	0.0	.841E+01	60	40	19	6	10
		43	44	41	IN CLR:	16	16	10	9	0	0.0	0.0	.841E+01	60	40	19	6	10
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/26/78 *	BBB	301	310	193	FLT TOT:	18	18	11	8	1	6.4	1.3	.227E+05	75	56	33	18	0
		43	44	42	IN CLR:	13	13	8	6	1	0.0	0.0	.102E+02	89	52	34	13	0
					NOT CLR:	5	5	3	2	0	23.1	4.6	.817E+05	40	68	30	5	0
11/28/78	BBB	316	370	231	FLT TOT:	17	17	10	10	0	28.1	2.4	.191E+06	231	30	33	8	9
		43	44	41	IN CLR:	10	10	7	7	0	0.0	0.0	.670E+01	315	19	9	1	9
					NOT CLR:	7	7	3	3	0	68.1	5.7	.464E+06	35	56	91	7	0
11/29/78 *	BBB	316	390	260	FLT TOT:	12	12	5	6	1	43.4	2.2	.533E+06	313	56	53	7	5
		43	44	42	IN CLR:	5	5	3	4	0	0.0	0.0	0.	515	35	17	0	5
					NOT CLR:	7	7	2	2	1	74.3	3.7	.913E+06	10	97	125	7	0
12/ 4/78	BBB	309	331	230	FLT TOT:	15	15	9	8	4	21.4	1.5	.411E+05	54	97	66	15	0
		43	44	42	IN CLR:	5	5	2	3	1	0.0	0.0	.461E+03	75	96	23	5	0
					NOT CLR:	10	10	7	5	3	32.1	2.3	.614E+05	48	97	91	10	0
12/17/78	BBB	309	331	257	FLT TOT:	15	15	9	8	2	.9	.3	.183E+04	42	63	66	0	0
		43	44	41	IN CLR:	13	13	8	7	1	0.0	0.0	.192E+03	41	58	64	0	0
					NOT CLR:	2	2	1	1	1	6.5	2.0	.125E+05	53	100	80	0	0
12/18/78 *	BBB	298	310	240	FLT TOT:	21	21	13	10	2	3.2	.7	.717E+04	41	55	87	0	0
		43	44	42	IN CLR:	17	17	10	8	1	0.0	0.0	.347E+02	40	44	46	0	0
					NOT CLR:	4	4	3	2	1	16.8	3.5	.375E+05	43	96	250	0	0
12/20/78	BBB	285	291	230	FLT TOT:	13	13	8	7	0	0.0	0.0	.501E+02	89	36	48	0	0
		43	44	42	IN CLR:	13	13	8	7	0	0.0	0.0	.501E+02	89	36	48	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/21/78 *	BBB	296	310	240	FLT TOT:	20	20	11	7	5	27.6	1.6	.693E+05	37	99	74	0	0
		43	44	42	IN CLR:	9	9	5	0	0	0.0	0.0	.217E+02	41	0	0	0	0
					NOT CLR:	11	11	6	7	5	50.2	2.9	.126E+06	34	99	74	0	0
12/23/78	BBB	293	331	250	FLT TOT:	17	17	0	10	3	40.2	3.3	.154E+06	0	81	78	0	0
		43	44	42	IN CLR:	3	3	0	1	0	0.0	0.0	.547E+03	0	53	32	0	0
					NOT CLR:	14	14	0	9	3	48.8	4.0	.186E+06	0	84	83	0	0
12/24/78 *	BBB	364	389	267	FLT TOT:	16	16	0	8	0	10.2	.6	.245E+05	0	43	22	0	0
		43	44	42	IN CLR:	12	12	0	7	0	0.0	0.0	.221E+02	0	47	22	0	0
					NOT CLR:	4	4	0	1	0	40.7	2.5	.981E+05	0	20	23	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FCO-JFK																		
1/27/76 *	BBA	349	370	165	FLT TOT:	52	0	52	0	0	15.6	.6	0.	180	0	0	31	21
		47	51	41	IN CLR:	32	0	32	0	0	0.0	0.0	0.	226	0	0	16	16
					NOT CLR:	20	0	20	0	0	40.7	1.5	0.	108	0	0	15	5
1/28/76 *	BBA	359	390	208	FLT TOT:	52	0	52	0	0	44.3	1.4	0.	158	0	0	34	18
		48	52	41	IN CLR:	23	0	23	0	0	0.0	0.0	0.	312	0	0	7	16
					NOT CLR:	29	0	29	0	0	79.5	2.4	0.	36	0	0	27	2
1/28/76	BBA	329	390	203	FLT TOT:	66	0	66	0	0	22.9	1.1	0.	71	0	0	66	0
		44	48	41	IN CLR:	39	0	39	0	0	0.0	0.0	0.	91	0	0	39	0
					NOT CLR:	27	0	27	0	0	56.0	2.6	0.	41	0	0	27	0
1/ 6/79 *	BBB	330	369	246	FLT TOT:	67	0	44	38	3	19.6	1.2	0.	104	48	28	46	21
		51	55	42	IN CLR:	45	0	30	25	0	0.0	0.0	0.	134	33	20	26	19
					NOT CLR:	22	0	14	13	3	59.8	3.7	0.	41	79	44	20	2
2/24/79 *	BBB	326	370	202	FLT TOT:	69	0	44	34	2	9.1	.8	0.	137	53	39	49	20
		46	48	41	IN CLR:	49	0	30	20	2	0.0	0.0	0.	173	44	39	30	19
					NOT CLR:	20	0	14	14	0	31.4	2.9	0.	59	66	39	19	1
2/25/79	BBB	327	370	199	FLT TOT:	71	0	47	34	1	17.7	1.5	0.	83	55	59	71	0
		47	49	41	IN CLR:	36	0	23	18	1	0.0	0.0	0.	96	48	24	36	0
					NOT CLR:	35	0	24	16	0	35.9	3.1	0.	71	62	98	35	0
3/16/79 *	BBB	331	371	260	FLT TOT:	82	0	53	45	3	6.2	.3	0.	214	35	30	15	35
		44	46	41	IN CLR:	73	0	49	41	1	0.0	0.0	0.	228	31	27	15	35
					NOT CLR:	9	0	4	4	2	56.7	2.8	0.	50	82	56	0	0
4/12/76	BBA	361	390	194	FLT TOT:	56	0	56	0	0	.1	.1	0.	223	0	0	41	15
		45	46	41	IN CLR:	52	0	52	0	0	0.0	0.0	0.	215	0	0	39	13
					NOT CLR:	4	0	4	0	0	1.3	1.3	0.	328	0	0	2	2
4/12/76 *	BBA	306	370	203	FLT TOT:	49	0	49	0	0	1.0	.3	0.	172	0	0	38	11
		47	51	41	IN CLR:	44	0	44	0	0	0.0	0.0	0.	179	0	0	33	11
					NOT CLR:	5	0	5	0	0	9.6	3.2	0.	114	0	0	5	0
5/28/79 *	BDB	347	370	215	FLT TOT:	80	80	50	34	1	1.7	.4	.214E+05	206	52	43	58	22
		45	46	41	IN CLR:	69	69	44	30	1	0.0	0.0	.182E+04	223	49	43	47	22
					NOT CLR:	11	11	6	4	0	12.4	2.8	.144E+06	80	76	45	11	0
5/28/79	BDB	325	350	215	FLT TOT:	94	94	62	54	10	4.8	1.0	.115E+06	183	59	82	72	22
		50	56	41	IN CLR:	73	73	50	40	3	0.0	0.0	.432E+04	206	49	61	51	22
					NOT CLR:	21	21	12	14	7	21.6	4.5	.499E+06	85	89	142	21	0
9/20/76	BBA	362	370	240	FLT TOT:	89	0	57	0	0	0.0	0.0	0.	76	0	0	64	25
		50	56	42	IN CLR:	89	0	57	0	0	0.0	0.0	0.	76	0	0	64	25
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/20/76 *	BBA	332	370	269	FLT TOT:	75	0	48	0	0	0.0	0.0	0.	60	0	0	75	0
		45	47	41	IN CLR:	75	0	48	0	0	0.0	0.0	0.	60	0	0	75	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FCO-JFK (CONT.)																		
9/22/76 *	BBA	344	370	199	FLT TOT:	80	0	50	0	0	0.0	0.0	0.	61	0	0	0	0
		45	47	41	IN CLR:	80	0	50	0	0	0.0	0.0	0.	61	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/22/78 *	BBB	346	371	259	FLT TOT:	75	75	48	38	1	4.3	1.1	.144E+05	85	48	16	60	15
		48	50	41	IN CLR:	58	58	37	30	0	0.0	0.0	.523E+02	96	38	13	43	15
					NOT CLR:	17	17	11	8	1	18.8	4.8	.633E+05	46	85	26	17	0
11/23/78	BBB	334	371	200	FLT TOT:	91	91	58	51	2	23.7	.9	.709E+05	63	53	51	87	4
		45	48	41	IN CLR:	59	59	40	31	0	0.0	0.0	.363E+03	70	43	17	55	4
					NOT CLR:	32	32	18	20	2	67.5	2.5	.201E+06	47	69	103	32	0
11/25/78 *	BBB	333	370	268	FLT TOT:	74	74	49	42	2	30.5	.7	.118E+06	71	45	28	55	19
		47	50	41	IN CLR:	42	42	29	23	1	0.0	0.0	.444E+02	90	32	22	23	19
					NOT CLR:	32	32	20	19	1	70.6	1.6	.273E+06	43	60	34	32	0
11/26/78	BBB	342	370	200	FLT TOT:	90	90	58	50	3	17.6	.9	.555E+05	114	43	28	64	26
		46	48	41	IN CLR:	54	54	33	29	0	0.0	0.0	.180E+02	163	20	19	28	26
					NOT CLR:	36	36	25	21	3	44.0	2.2	.139E+06	50	75	39	36	0
11/28/78 *	BBB	354	370	238	FLT TOT:	78	78	52	47	6	15.5	.7	.568E+05	118	46	37	51	27
		47	49	41	IN CLR:	58	58	38	33	3	0.0	0.0	.600E+03	152	37	20	31	27
					NOT CLR:	20	20	14	14	3	60.5	2.9	.220E+06	27	68	77	20	0
11/29/78	BBB	332	349	219	FLT TOT:	97	97	62	48	10	11.1	.5	.330E+05	169	52	74	45	52
		53	59	41	IN CLR:	75	75	50	38	7	0.0	0.0	.614E+02	198	43	69	27	48
					NOT CLR:	22	22	12	10	3	49.1	2.2	.145E+06	48	89	95	18	4
12/ 4/78 *	BBB	339	370	236	FLT TOT:	71	71	47	39	12	27.3	.6	.724E+05	147	58	37	31	40
		44	46	41	IN CLR:	42	42	28	23	0	0.0	0.0	.779E+01	216	30	16	2	40
					NOT CLR:	29	29	19	16	12	66.9	1.6	.177E+06	45	98	68	29	0
12/17/78 *	BBB	330	371	238	FLT TOT:	78	78	52	43	7	9.3	.9	.723E+05	123	55	38	0	0
		46	48	41	IN CLR:	61	61	40	33	2	0.0	0.0	.429E+01	144	44	29	0	0
					NOT CLR:	17	17	12	10	5	42.9	4.2	.332E+06	51	92	66	0	0
12/18/78	BBB	340	371	201	FLT TOT:	86	86	59	41	7	13.8	.8	.408E+05	175	54	30	0	0
		47	49	41	IN CLR:	64	64	46	30	0	0.0	0.0	.672E+02	207	40	26	0	0
					NOT CLR:	22	22	13	11	7	53.9	3.0	.159E+06	62	91	41	0	0
12/20/78 *	BBB	289	291	236	FLT TOT:	73	73	48	40	1	8.5	.6	.313E+05	106	52	64	0	0
		46	49	41	IN CLR:	60	60	38	32	0	0.0	0.0	.543E+02	124	47	51	0	0
					NOT CLR:	13	13	10	8	1	47.8	3.6	.175E+06	38	75	116	0	0
12/22/78	BBB	331	352	220	FLT TOT:	78	78	27	44	8	14.4	.5	.625E+05	141	42	31	0	0
		51	56	41	IN CLR:	58	58	15	33	0	0.0	0.0	.224E+03	208	26	29	0	0
					NOT CLR:	20	20	12	11	8	56.2	2.1	.243E+06	57	91	37	0	0
12/23/78 *	BBB	317	350	207	FLT TOT:	74	74	0	40	0	7.5	.4	.387E+05	0	40	41	0	0
		42	43	40	IN CLR:	64	64	0	33	0	0.0	0.0	.233E+02	0	30	36	0	0
					NOT CLR:	10	10	0	7	0	55.4	3.0	.286E+06	0	86	65	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FCO-JFK (CONT.)																		
12/24/78	BBB	300	310	200	FLT TOT:	90	90	0	46	3	13.6	.3	.247E+05	0	46	108	0	0
		51	56	41	IN CLR:	72	72	0	36	1	0.0	0.0	.409E+02	0	35	35	0	0
					NOT CLR:	18	18	0	10	2	68.1	1.6	.123E+06	0	87	372	0	0
FCO-LHR																		
9/22/76	BBA	321	350	208	FLT TOT:	16	0	9	0	0	0.0	0.0	0.	66	0	0	0	0
		47	51	43	IN CLR:	16	0	9	0	0	0.0	0.0	0.	66	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
FCO-SNN																		
1/27/76	BBA	387	390	353	FLT TOT:	16	0	16	0	0	0.0	0.0	0.	354	0	0	1	15
		49	52	43	IN CLR:	16	0	16	0	0	0.0	0.0	0.	354	0	0	1	15
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
FCO-YQX																		
1/ 7/79	BBB	328	370	240	FLT TOT:	75	0	51	42	0	2.2	.2	0.	184	29	19	38	37
		54	58	43	IN CLR:	69	0	47	39	0	0.0	0.0	0.	196	28	17	32	37
					NOT CLR:	6	0	4	3	0	27.6	2.2	0.	37	45	44	6	0
FRA-IST																		
1/24/76 *	BBA	283	310	213	FLT TOT:	15	0	15	0	0	.1	.1	0.	130	0	0	11	4
		45	49	42	IN CLR:	14	0	14	0	0	0.0	0.0	0.	137	0	0	10	4
					NOT CLR:	1	0	1	0	0	.8	1.0	0.	32	0	0	1	0
1/ 5/79 *	BBB	329	351	249	FLT TOT:	25	0	15	12	0	3.7	.3	0.	167	32	21	19	6
		45	49	42	IN CLR:	23	0	14	12	0	0.0	0.0	0.	177	32	21	17	6
					NOT CLR:	2	0	1	0	0	45.7	3.5	0.	34	0	0	2	0
3/20/76 *	BBA	330	351	217	FLT TOT:	16	0	16	0	0	0.0	0.0	0.	262	0	0	4	12
		45	49	41	IN CLR:	16	0	16	0	0	0.0	0.0	0.	262	0	0	4	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/23/76	BBA	346	371	214	FLT TOT:	14	0	14	0	0	0.0	0.0	0.	496	0	0	2	12
		45	49	41	IN CLR:	14	0	14	0	0	0.0	0.0	0.	496	0	0	2	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/19/76	BBA	356	371	220	FLT TOT:	14	0	14	0	0	1.3	1.2	0.	360	0	0	2	12
		45	48	41	IN CLR:	11	0	11	0	0	0.0	0.0	0.	357	0	0	2	9
					NOT CLR:	3	0	3	0	0	6.1	5.7	0.	370	0	0	0	3

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FRA-JFK																		
1/30/76 *	BBA	341	370	209	FLT TOT:	45	0	45	0	0	15.0	1.6	0.	148	0	0	24	21
		51	54	41	IN CLR:	32	0	32	0	0	0.0	0.0	0.	184	0	0	11	21
					NOT CLR:	13	0	13	0	0	52.1	5.5	0.	60	0	0	13	0
1/31/76	BBA	331	350	209	FLT TOT:	54	0	54	0	0	7.8	.4	0.	253	0	0	24	30
		55	61	43	IN CLR:	46	0	46	0	0	0.0	0.0	0.	289	0	0	16	30
					NOT CLR:	8	0	8	0	0	52.8	2.9	0.	47	0	0	8	0
1/ 9/79 *	BBB	335	371	243	FLT TOT:	64	0	18	35	4	21.1	1.0	0.	182	55	35	51	13
		50	52	41	IN CLR:	37	0	14	18	0	0.0	0.0	0.	226	30	19	24	13
					NOT CLR:	27	0	4	17	4	50.1	2.3	0.	28	82	51	27	0
1/10/79	BBB	339	370	271	FLT TOT:	90	0	0	37	1	1.2	.1	0.	0	21	17	7	83
		55	62	42	IN CLR:	88	0	0	36	0	0.0	0.0	0.	0	18	16	5	83
					NOT CLR:	2	0	0	1	1	53.9	4.5	0.	0	100	44	2	0
1/12/79	BBB	349	391	210	FLT TOT:	91	0	33	36	3	1.9	.2	0.	304	32	26	7	84
		54	58	41	IN CLR:	86	0	33	35	2	0.0	0.0	0.	304	30	26	4	82
					NOT CLR:	5	0	0	1	1	34.0	3.2	0.	0	100	27	3	2
1/12/79 *	BBB	324	370	288	FLT TOT:	67	0	3	38	0	3.6	.5	0.	407	35	31	37	30
		49	52	42	IN CLR:	56	0	3	34	0	0.0	0.0	0.	407	31	29	26	30
					NOT CLR:	11	0	0	4	0	22.2	3.3	0.	0	70	49	11	0
2/23/79	BBB	347	351	220	FLT TOT:	82	0	53	47	0	10.5	.4	0.	177	37	27	41	41
		50	52	41	IN CLR:	64	0	41	36	0	0.0	0.0	0.	217	30	15	23	41
					NOT CLR:	18	0	12	11	0	47.7	1.9	0.	39	60	66	18	0
2/27/79 *	BBB	335	369	198	FLT TOT:	19	0	12	10	4	27.9	.3	0.	145	69	93	19	0
		45	50	41	IN CLR:	12	0	7	6	1	0.0	0.0	0.	214	58	112	12	0
					NOT CLR:	7	0	5	4	3	75.6	.9	0.	49	86	65	7	0
2/28/79	BBB	332	350	210	FLT TOT:	89	0	58	49	6	6.1	.8	0.	127	51	53	67	22
		46	50	41	IN CLR:	66	0	43	35	1	0.0	0.0	0.	154	37	40	44	22
					NOT CLR:	23	0	15	14	5	23.7	3.1	0.	48	84	86	23	0
3/ 1/79 *	BBB	348	370	279	FLT TOT:	58	0	37	31	7	10.7	1.3	0.	99	66	40	51	7
		50	53	41	IN CLR:	31	0	20	17	4	0.0	0.0	0.	146	52	31	26	5
					NOT CLR:	27	0	17	14	3	23.0	2.7	0.	44	83	50	25	2
3/ 1/79	BBB	323	331	242	FLT TOT:	84	0	55	45	4	13.3	1.3	0.	64	58	48	82	2
		46	50	41	IN CLR:	51	0	33	28	0	0.0	0.0	0.	73	43	34	49	2
					NOT CLR:	33	0	22	17	4	33.7	3.2	0.	50	83	70	33	0
3/ 3/79 *	BBB	354	365	256	FLT TOT:	58	0	34	26	0	10.9	.4	0.	245	27	9	21	37
		49	52	41	IN CLR:	43	0	27	21	0	0.0	0.0	0.	294	23	9	10	33
					NOT CLR:	15	0	7	5	0	42.3	1.7	0.	57	44	8	11	4
3/ 4/79	BBB	337	370	238	FLT TOT:	61	0	39	33	10	18.5	.9	0.	168	60	22	25	36
		52	53	41	IN CLR:	40	0	25	22	0	0.0	0.0	0.	225	41	20	16	24
					NOT CLR:	21	0	14	11	10	53.8	2.5	0.	66	98	26	9	12

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FRA-JFK (CONT.)																		
3/ 5/79 *	BBB	352	370	189	FLT TOT:	56	0	35	30	6	12.6	1.3	0.	169	63	30	31	25
		50	53	43	IN CLR:	31	0	18	15	0	0.0	0.0	0.	285	41	23	14	17
					NOT CLR:	25	0	17	15	6	28.2	2.8	0.	46	86	38	17	8
3/ 5/79	BBB	345	371	221	FLT TOT:	56	0	36	31	4	18.1	.8	0.	256	50	16	16	39
		58	62	41	IN CLR:	39	0	25	23	1	0.0	0.0	0.	343	37	16	5	34
					NOT CLR:	17	0	11	8	3	59.5	2.7	0.	57	87	18	11	5
3/ 6/79 *	BBB	343	377	280	FLT TOT:	51	0	31	21	11	17.3	1.1	0.	173	72	48	24	27
		50	53	43	IN CLR:	30	0	18	11	3	0.0	0.0	0.	264	46	30	5	25
					NOT CLR:	21	0	13	10	8	42.1	2.7	0.	48	100	67	19	2
3/ 6/79	BBB	356	383	200	FLT TOT:	60	0	39	31	5	10.8	.6	0.	264	53	85	23	37
		51	53	41	IN CLR:	44	0	29	23	3	0.0	0.0	0.	334	43	25	11	33
					NOT CLR:	16	0	10	8	2	40.6	2.3	0.	62	82	256	12	4
3/ 7/79	BBB	323	331	196	FLT TOT:	80	0	49	40	5	26.3	1.6	0.	102	64	95	72	8
		47	52	41	IN CLR:	40	0	25	20	0	0.0	0.0	0.	147	43	36	32	8
					NOT CLR:	40	0	24	20	5	52.5	3.2	0.	55	85	154	40	0
3/ 7/79 *	BBB	351	371	193	FLT TOT:	49	0	32	26	8	36.5	.9	0.	102	84	43	39	10
		51	53	43	IN CLR:	22	0	14	10	0	0.0	0.0	0.	162	81	18	12	10
					NOT CLR:	27	0	18	16	8	66.2	1.6	0.	54	87	58	27	0
4/12/76 *	BBA	331	341	207	FLT TOT:	45	0	45	0	0	.1	.1	0.	232	0	0	38	7
		50	52	41	IN CLR:	40	0	40	0	0	0.0	0.0	0.	221	0	0	34	6
					NOT CLR:	5	0	5	0	0	1.1	1.2	0.	314	0	0	4	1
4/13/76	BBA	367	391	218	FLT TOT:	54	0	54	0	0	1.6	.6	0.	405	0	0	10	44
		52	55	42	IN CLR:	46	0	46	0	0	0.0	0.0	0.	432	0	0	5	41
					NOT CLR:	8	0	8	0	0	10.6	3.8	0.	255	0	0	5	3
4/14/76 *	BBA	334	371	209	FLT TOT:	44	0	44	0	0	0.0	0.0	0.	252	0	0	21	23
		50	53	41	IN CLR:	44	0	44	0	0	0.0	0.0	0.	252	0	0	21	23
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/14/76	BBA	373	410	296	FLT TOT:	54	0	54	0	0	.0	.1	0.	488	0	0	9	45
		56	59	43	IN CLR:	53	0	53	0	0	0.0	0.0	0.	487	0	0	9	44
					NOT CLR:	1	0	1	0	0	2.0	3.0	0.	553	0	0	0	1
4/15/76 *	BBA	345	371	205	FLT TOT:	45	0	45	0	0	3.8	.4	0.	192	0	0	35	10
		50	53	41	IN CLR:	39	0	39	0	0	0.0	0.0	0.	198	0	0	30	9
					NOT CLR:	6	0	6	0	0	28.4	3.0	0.	158	0	0	5	1
4/16/76	BBA	354	371	210	FLT TOT:	44	0	44	0	0	.0	.0	0.	319	0	0	26	18
		50	53	42	IN CLR:	43	0	43	0	0	0.0	0.0	0.	313	0	0	26	17
					NOT CLR:	1	0	1	0	0	.8	2.0	0.	564	0	0	0	1
4/16/76 *	BBA	333	371	279	FLT TOT:	47	0	47	0	0	2.7	.2	0.	146	0	0	41	6
		49	53	41	IN CLR:	40	0	40	0	0	0.0	0.0	0.	148	0	0	35	5
					NOT CLR:	7	0	7	0	0	18.3	1.3	0.	138	0	0	6	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FRA-JFK (CONT.)																		
4/17/76	BBA	364	391	201	FLT TOT:	55	0	55	0	0	5.1	1.0	0.	347	0	0	29	26
		53	58	41	IN CLR:	39	0	39	0	0	0.0	0.0	0.	425	0	0	14	25
					NOT CLR:	16	0	16	0	0	17.6	3.3	0.	157	0	0	15	1
5/23/79	BDB	335	373	219	FLT TOT:	84	84	52	37	8	8.3	1.5	.134E+06	316	44	47	40	44
		53	56	41	IN CLR:	62	62	38	27	2	0.0	0.0	.610E+03	394	25	34	18	44
					NOT CLR:	22	22	14	10	6	31.6	5.6	.510E+06	102	95	84	22	0
5/23/79 *	BDB	342	370	212	FLT TOT:	72	72	48	40	10	5.1	1.3	.708E+05	286	51	78	37	35
		49	51	41	IN CLR:	49	49	32	25	1	0.0	0.0	.150E+04	394	29	63	15	34
					NOT CLR:	23	23	16	15	9	15.9	4.0	.218E+06	69	88	102	22	1
9/14/76	BBA	355	390	226	FLT TOT:	77	0	50	0	0	0.0	0.0	0.	99	0	0	52	25
		53	56	41	IN CLR:	77	0	50	0	0	0.0	0.0	0.	99	0	0	52	25
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/14/76 *	BBA	347	369	248	FLT TOT:	72	0	45	0	0	0.0	0.0	0.	103	0	0	58	14
		52	56	42	IN CLR:	72	0	45	0	0	0.0	0.0	0.	103	0	0	58	14
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/18/76 *	BBA	342	369	244	FLT TOT:	65	0	43	0	0	.1	.2	0.	92	0	0	49	16
		50	52	41	IN CLR:	62	0	40	0	0	0.0	0.0	0.	87	0	0	48	14
					NOT CLR:	3	0	3	0	0	1.7	3.3	0.	152	0	0	1	2
9/18/76	BBA	327	370	252	FLT TOT:	76	0	50	0	0	.0	.0	0.	69	0	0	76	0
		54	60	42	IN CLR:	74	0	49	0	0	0.0	0.0	0.	69	0	0	74	0
					NOT CLR:	2	0	1	0	0	.4	1.0	0.	75	0	0	2	0
9/18/76 *	BBA	336	369	203	FLT TOT:	72	0	47	0	0	0.0	0.0	0.	91	0	0	55	17
		49	52	41	IN CLR:	72	0	47	0	0	0.0	0.0	0.	91	0	0	55	17
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/19/76	BBA	370	390	240	FLT TOT:	76	0	49	0	0	0.0	0.0	0.	101	0	0	40	36
		54	58	42	IN CLR:	76	0	49	0	0	0.0	0.0	0.	101	0	0	40	36
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/25/76 *	BBA	348	370	245	FLT TOT:	71	0	44	0	0	0.0	0.0	0.	69	0	0	0	0
		50	52	41	IN CLR:	71	0	44	0	0	0.0	0.0	0.	69	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/25/76 *	BBA	337	369	248	FLT TOT:	73	0	48	0	0	0.0	0.0	0.	62	0	0	0	0
		50	52	41	IN CLR:	73	0	48	0	0	0.0	0.0	0.	62	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/25/76	BBA	342	371	204	FLT TOT:	84	0	56	0	0	0.0	0.0	0.	55	0	0	0	0
		50	54	41	IN CLR:	84	0	56	0	0	0.0	0.0	0.	55	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/26/76	BBA	334	350	240	FLT TOT:	81	0	52	0	0	0.0	0.0	0.	71	0	0	0	0
		51	54	42	IN CLR:	81	0	52	0	0	0.0	0.0	0.	71	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FRA-JFK (CONT.)																		
10/ 1/78 *	BBB	343	351	197	FLT TOT:	67	67	43	0	0	22.1	1.4	.639E+05	85	0	0	67	0
		51	54	42	IN CLR:	38	38	26	0	0	0.0	0.0	.254E+03	81	0	0	38	0
					NOT CLR:	29	29	17	0	0	51.0	3.2	.147E+06	91	0	0	29	0
10/ 2/78 *	BBB	341	370	233	FLT TOT:	69	69	47	0	0	8.7	.8	.277E+05	98	0	0	69	0
		50	54	41	IN CLR:	55	55	36	0	0	0.0	0.0	.231E+03	101	0	0	55	0
					NOT CLR:	14	14	11	0	0	43.1	4.1	.135E+06	89	0	0	14	0
10/ 2/78	BBB	344	371	192	FLT TOT:	85	85	57	0	0	8.2	.7	.224E+05	76	0	0	85	0
		47	50	41	IN CLR:	57	57	39	0	0	0.0	0.0	.494E+02	83	0	0	57	0
					NOT CLR:	28	28	18	0	0	25.0	2.1	.680E+05	59	0	0	28	0
10/ 3/78	BBB	326	350	199	FLT TOT:	83	83	52	0	0	17.6	1.3	.475E+05	72	0	0	83	0
		46	50	41	IN CLR:	46	46	28	0	0	0.0	0.0	.392E+03	84	0	0	46	0
					NOT CLR:	37	37	24	0	0	39.4	3.0	.106E+06	59	0	0	37	0
10/ 4/78	BBB	359	371	220	FLT TOT:	32	32	21	0	0	14.3	1.4	.279E+05	105	0	0	22	10
		47	52	41	IN CLR:	17	17	10	0	0	0.0	0.0	.145E+03	140	0	0	7	10
					NOT CLR:	15	15	11	0	0	30.5	3.1	.594E+05	73	0	0	15	0
10/ 4/78 *	BBB	335	371	202	FLT TOT:	34	34	21	0	0	5.7	1.1	.180E+05	104	0	0	25	9
		50	54	42	IN CLR:	20	20	15	0	0	0.0	0.0	.562E+02	125	0	0	12	8
					NOT CLR:	14	14	6	0	0	13.8	2.7	.436E+05	51	0	0	13	1
10/ 5/78	BBB	347	371	246	FLT TOT:	79	79	49	0	0	11.9	1.0	.516E+05	93	0	0	67	12
		50	52	42	IN CLR:	46	46	28	0	0	0.0	0.0	.478E+02	122	0	0	34	12
					NOT CLR:	33	33	21	0	0	28.6	2.5	.123E+06	54	0	0	33	0
10/ 5/78 *	BBB	331	371	211	FLT TOT:	65	65	41	0	0	18.2	1.5	.446E+05	79	0	0	57	8
		53	57	42	IN CLR:	36	36	22	0	0	0.0	0.0	.327E+02	102	0	0	28	8
					NOT CLR:	29	29	19	0	0	40.8	3.3	.999E+05	52	0	0	29	0
11/24/78	BBB	351	391	220	FLT TOT:	90	90	61	51	5	19.2	1.0	.920E+05	150	42	21	34	56
		53	57	41	IN CLR:	64	64	43	37	1	0.0	0.0	.918E+02	190	29	22	13	51
					NOT CLR:	26	26	18	14	4	66.4	3.5	.318E+06	52	78	18	21	5
11/24/78 *	BBB	348	361	272	FLT TOT:	66	66	42	28	2	22.9	1.0	.827E+05	76	58	16	53	13
		49	52	41	IN CLR:	42	42	26	17	0	0.0	0.0	.262E+03	92	44	16	29	13
					NOT CLR:	24	24	16	11	2	62.9	2.8	.227E+06	50	81	16	24	0
11/27/78	BBB	319	349	209	FLT TOT:	87	87	54	49	1	11.1	.6	.263E+05	112	38	43	70	17
		51	54	41	IN CLR:	66	66	39	36	1	0.0	0.0	.798E+01	139	29	31	49	17
					NOT CLR:	21	21	15	13	0	45.8	2.5	.109E+06	41	64	78	21	0
11/27/78 *	BBB	331	361	241	FLT TOT:	70	70	44	36	0	7.9	.5	.229E+05	102	37	30	61	9
		51	55	41	IN CLR:	54	54	34	26	0	0.0	0.0	.267E+02	121	28	30	45	9
					NOT CLR:	16	16	10	10	0	34.7	2.3	.100E+06	36	60	29	16	0
11/30/78 *	BBB	334	370	290	FLT TOT:	65	65	44	40	8	31.0	1.3	.110E+06	91	59	54	40	25
		48	51	42	IN CLR:	34	34	24	22	0	0.0	0.0	.135E+02	135	33	22	9	25
					NOT CLR:	31	31	20	18	8	65.1	2.8	.230E+06	37	90	93	31	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
FRA-JFK (CONT.)																		
12/ 1/78	BBB	333	390	240	FLT TOT:	85	85	55	47	2	5.4	.4	.288E+05	204	26	25	48	37
		52	56	42	IN CLR:	77	77	49	43	2	0.0	0.0	.494E+02	222	23	20	40	37
					NOT CLR:	8	8	6	4	0	57.9	4.1	.306E+06	49	63	81	8	0
12/ 1/78 *	BBB	346	370	262	FLT TOT:	63	63	42	34	5	22.2	.7	.746E+05	111	53	57	37	26
		47	51	41	IN CLR:	42	42	27	22	0	0.0	0.0	.178E+03	144	35	19	17	25
					NOT CLR:	21	21	15	12	5	66.5	2.2	.223E+06	51	85	126	20	1
FRA-KHI																		
5/11/79 *	BDB	329	352	217	FLT TOT:	79	79	0	39	0	.1	.0	.206E+04	0	39	44	79	0
		38	50	26	IN CLR:	78	78	0	38	0	0.0	0.0	.193E+04	0	37	45	78	0
					NOT CLR:	1	1	0	1	0	9.8	1.0	.123E+05	0	84	27	1	0
6/ 4/79 *	BDB	308	311	223	FLT TOT:	76	76	47	41	0	3.2	.8	.583E+05	90	49	112	76	0
		38	50	26	IN CLR:	57	57	36	32	0	0.0	0.0	.319E+04	92	42	102	57	0
					NOT CLR:	19	19	11	9	0	12.8	3.2	.224E+06	82	77	150	19	0
FRA-LHR																		
1/20/77	DDA	240	240	240	FLT TOT:	6	6	3	0	0	59.2	6.7	.342E+06	31	0	0	6	0
		51	52	50	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	6	6	3	0	0	59.2	6.7	.342E+06	31	0	0	6	0
1/ 5/79	BBB	292	310	240	FLT TOT:	6	0	3	0	0	2.0	.3	0.	95	0	0	6	0
		51	52	50	IN CLR:	5	0	3	0	0	0.0	0.0	0.	95	0	0	5	0
					NOT CLR:	1	0	0	0	0	11.8	2.0	0.	0	0	0	1	0
2/14/77	DDA	240	240	240	FLT TOT:	6	6	3	0	0	0.0	0.0	.261E+03	53	0	0	6	0
		51	52	50	IN CLR:	6	6	3	0	0	0.0	0.0	.261E+03	53	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/14/79	BBB	286	310	212	FLT TOT:	7	0	3	3	0	1.7	.9	0.	115	49	33	2	5
		51	52	50	IN CLR:	5	0	2	2	0	0.0	0.0	0.	103	36	24	1	4
					NOT CLR:	2	0	1	1	0	6.1	3.0	0.	140	76	50	1	1
2/16/79 *	BBB	268	270	259	FLT TOT:	6	0	3	3	0	.1	.2	0.	57	38	35	6	0
		51	51	50	IN CLR:	5	0	2	2	0	0.0	0.0	0.	59	38	35	5	0
					NOT CLR:	1	0	1	1	0	.4	1.0	0.	55	39	35	1	0
3/15/79	BBB	322	351	224	FLT TOT:	5	0	3	0	0	10.5	.8	0.	167	0	0	0	0
		51	52	51	IN CLR:	4	0	2	0	0	0.0	0.0	0.	222	0	0	0	0
					NOT CLR:	1	0	1	0	0	52.5	4.0	0.	58	0	0	0	0
5/12/79	BDB	303	311	268	FLT TOT:	6	6	0	3	0	0.0	0.0	.114E+04	0	42	66	6	0
		51	52	50	IN CLR:	6	6	0	3	0	0.0	0.0	.114E+04	0	42	66	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FRA-LHR (CONT.)																		
5/24/79 *	BDB	276	291	201	FLT TOT:	6	6	3	1	1	40.1	4.7	.859E+06	78	100	177	6	0
		51	51	50	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	6	6	3	1	1	40.1	4.7	.859E+06	78	100	177	6	0
6/ 5/79	BDB	291	310	215	FLT TOT:	5	5	3	3	0	0.0	0.0	.226E+04	94	54	95	5	0
		51	52	51	IN CLR:	5	5	3	3	0	0.0	0.0	.226E+04	94	54	95	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 7/76	BBA	352	390	280	FLT TOT:	6	0	2	0	0	.1	.2	0.	62	0	0	6	0
		51	52	50	IN CLR:	5	0	2	0	0	0.0	0.0	0.	62	0	0	5	0
					NOT CLR:	1	0	0	0	0	.4	1.0	0.	0	0	0	1	0
10/ 9/77	BCB	303	311	286	FLT TOT:	5	5	0	0	0	5.1	0.0	.218E+05	0	0	0	5	0
		51	52	50	IN CLR:	2	2	0	0	0	0.0	0.0	0.	0	0	0	2	0
					NOT CLR:	3	3	0	0	0	8.5	0.0	.364E+05	0	0	0	3	0
10/11/77 *	BCB	277	290	228	FLT TOT:	5	5	0	0	0	5.8	0.0	.323E+05	0	0	0	5	0
		52	52	52	IN CLR:	1	1	0	0	0	0.0	0.0	0.	0	0	0	1	0
					NOT CLR:	4	4	0	0	0	7.3	0.0	.404E+05	0	0	0	4	0
10/16/78	BBB	274	281	241	FLT TOT:	6	6	0	0	0	50.9	1.8	.177E+06	0	0	0	6	0
		51	51	50	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	6	6	0	0	0	50.9	1.8	.177E+06	0	0	0	6	0
10/30/78	BBB	294	310	240	FLT TOT:	7	7	3	3	0	0.0	0.0	.187E+02	41	45	65	7	0
		51	52	50	IN CLR:	7	7	3	3	0	0.0	0.0	.187E+02	41	45	65	7	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/22/76	DDA	241	241	241	FLT TOT:	6	0	0	0	0	.4	.3	0.	0	0	0	6	0
		51	52	50	IN CLR:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
					NOT CLR:	1	0	0	0	0	2.4	2.0	0.	0	0	0	1	0
11/29/76	DDA	240	240	238	FLT TOT:	7	0	0	0	0	51.5	2.0	0.	0	0	0	7	0
		51	52	50	IN CLR:	2	0	0	0	0	0.0	0.0	0.	0	0	0	2	0
					NOT CLR:	5	0	0	0	0	72.1	2.8	0.	0	0	0	5	0
11/ 2/78 *	BBB	281	290	257	FLT TOT:	5	5	2	3	0	0.0	0.0	0.	41	42	79	5	0
		51	51	50	IN CLR:	5	5	2	3	0	0.0	0.0	0.	41	42	79	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/29/76 *	DDA	230	230	230	FLT TOT:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
		51	51	50	IN CLR:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 7/78 *	BBB	267	271	252	FLT TOT:	6	6	3	4	1	0.0	0.0	.555E+02	41	68	131	6	0
		51	51	50	IN CLR:	6	6	3	4	1	0.0	0.0	.555E+02	41	68	131	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/26/78 *	BBB	274	291	209	FLT TOT:	5	5	0	2	0	64.8	1.2	.158E+06	0	67	56	0	0
		51	51	50	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	5	5	0	2	0	64.8	1.2	.158E+06	0	67	56	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
FRA-THR																		
5/30/79	BDB	358	370	276	FLT TOT:	49	49	24	19	0	5.6	.9	.241E+06	226	37	20	39	10
		41	48	36	IN CLR:	40	40	19	16	0	0.0	0.0	.901E+03	239	36	21	36	4
					NOT CLR:	9	9	5	3	0	30.4	5.1	.131E+07	177	43	16	3	6
9/ 7/76 *	BBA	341	350	198	FLT TOT:	54	0	33	0	0	0.0	0.0	0.	79	0	0	54	0
		42	50	36	IN CLR:	54	0	33	0	0	0.0	0.0	0.	79	0	0	54	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/ 9/77 *	BCB	334	391	217	FLT TOT:	49	49	0	0	0	5.5	0.0	.201E+05	0	0	0	28	21
		42	50	37	IN CLR:	41	41	0	0	0	0.0	0.0	.863E+03	0	0	0	20	21
					NOT CLR:	8	8	0	0	0	33.4	0.0	.119E+06	0	0	0	8	0
10/11/77	BCB	299	332	290	FLT TOT:	44	44	0	0	0	9.4	0.0	.340E+05	0	0	0	44	0
		42	48	36	IN CLR:	29	29	0	0	0	0.0	0.0	.499E+02	0	0	0	29	0
					NOT CLR:	15	15	0	0	0	27.5	0.0	.997E+05	0	0	0	15	0
10/16/78 *	BBB	344	350	251	FLT TOT:	47	47	28	0	0	5.6	.7	.220E+05	68	0	0	47	0
		42	49	36	IN CLR:	38	38	24	0	0	0.0	0.0	.974E+03	70	0	0	38	0
					NOT CLR:	9	9	4	0	0	29.1	3.7	.111E+06	59	0	0	9	0
10/30/78 *	BBB	279	280	250	FLT TOT:	41	41	25	22	3	11.5	1.0	.543E+05	56	62	125	41	0
		42	49	36	IN CLR:	29	29	18	18	1	0.0	0.0	.180E+02	52	55	125	29	0
					NOT CLR:	12	12	7	4	2	39.3	3.3	.186E+06	65	93	122	12	0
11/23/77	BCB	352	370	266	FLT TOT:	41	41	25	0	0	0.0	0.0	.105E+02	126	0	0	29	12
		41	48	36	IN CLR:	41	41	25	0	0	0.0	0.0	.105E+02	126	0	0	29	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/24/77 *	BCB	368	391	251	FLT TOT:	57	57	36	0	0	.5	0.0	.135E+02	130	0	0	27	30
		41	49	36	IN CLR:	56	56	35	0	0	0.0	0.0	.113E+02	134	0	0	26	30
					NOT CLR:	1	1	1	0	0	26.3	0.0	.137E+03	0	0	0	1	0
11/ 2/78	BBB	328	331	260	FLT TOT:	45	45	22	25	1	3.2	.4	.601E+04	75	51	34	38	7
		42	49	37	IN CLR:	39	39	19	23	0	0.0	0.0	.506E+01	77	48	31	32	7
					NOT CLR:	6	6	3	2	1	23.8	2.8	.451E+05	63	88	69	6	0
12/ 7/78	BBB	278	291	229	FLT TOT:	44	44	30	22	5	16.9	1.2	.120E+06	52	64	97	44	0
		42	49	36	IN CLR:	29	29	19	15	1	0.0	0.0	.787E+02	55	50	54	29	0
					NOT CLR:	15	15	11	7	4	49.5	3.5	.351E+06	46	93	189	15	0
12/26/78	BBB	320	330	218	FLT TOT:	42	42	0	21	1	2.8	.6	.386E+05	0	47	32	0	0
		41	49	36	IN CLR:	35	35	0	18	1	0.0	0.0	.486E+02	0	45	25	0	0
					NOT CLR:	7	7	0	3	0	16.6	3.6	.231E+06	0	55	72	0	0
GIG-JFK																		
4/10/76	BBA	325	350	204	FLT TOT:	55	0	55	0	0	7.6	.9	0.	73	0	0	29	2
		7	39	-21	IN CLR:	43	0	43	0	0	0.0	0.0	0.	81	0	0	26	1
					NOT CLR:	12	0	12	0	0	34.7	4.0	0.	46	0	0	3	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
GIG-JFK (CONT.)																		
4/ 9/77 *	AAA	365	370	196	FLT TOT:	97	0	0	0	0	10.9	.8	0.	0	0	0	92	5
		8	39	-22	IN CLR:	67	0	0	0	0	0.0	0.0	0.	0	0	0	62	5
					NOT CLR:	30	0	0	0	0	35.2	2.5	0.	0	0	0	30	0
4/10/77	AAA	388	390	260	FLT TOT:	99	0	0	0	0	7.6	.7	0.	0	0	0	89	10
		9	39	-21	IN CLR:	76	0	0	0	0	0.0	0.0	0.	0	0	0	66	10
					NOT CLR:	23	0	0	0	0	32.5	2.9	0.	0	0	0	23	0
4/16/77 *	AAA	368	371	291	FLT TOT:	94	0	0	0	0	5.8	.7	0.	0	0	0	86	8
		9	39	-20	IN CLR:	62	0	0	0	0	0.0	0.0	0.	0	0	0	54	8
					NOT CLR:	32	0	0	0	0	17.0	1.9	0.	0	0	0	32	0
4/17/77	AAA	388	430	235	FLT TOT:	101	0	0	0	0	13.6	.9	0.	0	0	0	81	20
		9	40	-21	IN CLR:	63	0	0	0	0	0.0	0.0	0.	0	0	0	43	20
					NOT CLR:	38	0	0	0	0	36.2	2.3	0.	0	0	0	38	0
4/23/77 *	AAA	381	410	271	FLT TOT:	93	0	0	0	0	14.5	.9	0.	0	0	0	93	0
		9	39	-21	IN CLR:	65	0	0	0	0	0.0	0.0	0.	0	0	0	65	0
					NOT CLR:	28	0	0	0	0	48.2	3.0	0.	0	0	0	28	0
4/24/77	AAA	394	410	257	FLT TOT:	99	0	0	0	0	23.7	1.0	0.	0	0	0	99	0
		8	39	-21	IN CLR:	47	0	0	0	0	0.0	0.0	0.	0	0	0	47	0
					NOT CLR:	52	0	0	0	0	45.1	1.9	0.	0	0	0	52	0
GIG-PTY																		
9/ 4/76	BBA	364	390	266	FLT TOT:	66	0	33	0	0	0.0	0.0	0.	46	0	0	66	0
		-6	7	-21	IN CLR:	66	0	33	0	0	0.0	0.0	0.	46	0	0	66	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
GUA-LAX																		
4/ 7/76 *	BBA	332	371	203	FLT TOT:	25	0	25	0	0	8.9	.7	0.	55	0	0	25	0
		23	33	15	IN CLR:	17	0	17	0	0	0.0	0.0	0.	60	0	0	17	0
					NOT CLR:	8	0	8	0	0	27.8	2.1	0.	45	0	0	8	0
4/23/76 *	BBA	341	371	207	FLT TOT:	24	0	24	0	0	18.8	1.3	0.	85	0	0	24	0
		24	33	15	IN CLR:	17	0	17	0	0	0.0	0.0	0.	99	0	0	17	0
					NOT CLR:	7	0	7	0	0	64.4	4.6	0.	51	0	0	7	0
4/26/76	BBA	379	390	211	FLT TOT:	31	0	31	0	0	.3	.2	0.	99	0	0	31	0
		24	33	15	IN CLR:	29	0	29	0	0	0.0	0.0	0.	99	0	0	29	0
					NOT CLR:	2	0	2	0	0	4.7	2.5	0.	106	0	0	2	0
5/ 1/76 *	BBA	337	371	208	FLT TOT:	41	0	27	0	0	1.7	.1	0.	98	0	0	41	0
		23	33	15	IN CLR:	36	0	24	0	0	0.0	0.0	0.	105	0	0	36	0
					NOT CLR:	5	0	3	0	0	13.6	1.2	0.	46	0	0	5	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
GUA-LAX (CONT.)																		
5/19/79 *	BDB	360	371	190	FLT TOT:	43	43	27	23	5	6.2	1.5	.103E+06	95	63	84	43	0
		24	32	15	IN CLR:	29	29	17	17	2	0.0	0.0	.295E+03	123	54	73	29	0
					NOT CLR:	14	14	10	6	3	19.1	4.5	.316E+06	47	88	118	14	0
5/20/79	BDB	363	392	215	FLT TOT:	46	46	29	23	0	.3	.2	.213E+04	133	40	65	39	7
		24	33	16	IN CLR:	41	41	26	21	0	0.0	0.0	.127E+03	142	39	66	34	7
					NOT CLR:	5	5	3	2	0	2.6	1.6	.185E+05	52	48	54	5	0
9/ 1/76 *	BBA	324	331	210	FLT TOT:	38	0	22	0	0	0.0	0.0	0.	57	0	0	38	0
		23	32	15	IN CLR:	38	0	22	0	0	0.0	0.0	0.	57	0	0	38	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 4/76	BBA	367	390	296	FLT TOT:	43	0	28	0	0	0.0	0.0	0.	59	0	0	43	0
		24	33	15	IN CLR:	43	0	28	0	0	0.0	0.0	0.	59	0	0	43	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
GUA-PTY																		
9/ 4/76 *	BBA	333	350	256	FLT TOT:	15	0	10	0	0	0.0	0.0	0.	44	0	0	15	0
		12	14	9	IN CLR:	15	0	10	0	0	0.0	0.0	0.	44	0	0	15	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
GUA-SJO																		
5/19/79	BDB	315	330	263	FLT TOT:	7	7	2	0	0	0.0	0.0	.430E+02	38	0	0	7	0
		12	13	11	IN CLR:	7	7	2	0	0	0.0	0.0	.430E+02	38	0	0	7	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/20/79 *	BDB	325	350	261	FLT TOT:	8	8	4	0	0	0.0	0.0	.438E+02	32	0	0	8	0
		13	14	12	IN CLR:	8	8	4	0	0	0.0	0.0	.438E+02	32	0	0	8	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
GUM-HNL																		
2/ 3/76 *	BBA	347	351	210	FLT TOT:	54	0	54	0	0	1.1	.0	0.	21	0	0	54	0
		16	21	13	IN CLR:	53	0	53	0	0	0.0	0.0	0.	21	0	0	53	0
					NOT CLR:	1	0	1	0	0	60.4	1.0	0.	22	0	0	1	0
3/28/76 *	BBA	344	351	296	FLT TOT:	52	0	52	0	0	.0	.0	0.	70	0	0	52	0
		16	20	13	IN CLR:	51	0	51	0	0	0.0	0.0	0.	71	0	0	51	0
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	27	0	0	1	0
3/29/76	BBA	353	390	261	FLT TOT:	36	0	36	0	0	.1	.2	0.	52	0	0	36	0
		19	21	14	IN CLR:	30	0	30	0	0	0.0	0.0	0.	53	0	0	30	0
					NOT CLR:	6	0	6	0	0	.4	1.0	0.	48	0	0	6	0
4/27/76 *	BBA	344	351	207	FLT TOT:	50	0	50	0	0	6.8	.3	0.	84	0	0	50	0
		20	23	14	IN CLR:	44	0	44	0	0	0.0	0.0	0.	88	0	0	44	0
					NOT CLR:	6	0	6	0	0	56.4	2.7	0.	52	0	0	6	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
GUM-HNL (CONT.)																		
5/ 9/79 *	BDB	369	390	270	FLT TOT:	86	86	0	43	7	5.8	1.3	.800E+05	0	56	89	86	0
		19	22	14	IN CLR:	57	57	0	28	0	0.0	0.0	.222E+04	0	38	53	57	0
					NOT CLR:	29	29	0	15	7	17.1	3.9	.233E+06	0	89	156	29	0
5/10/79	BDB	366	370	255	FLT TOT:	68	68	0	35	10	8.4	1.1	.178E+06	0	64	97	68	0
		18	21	14	IN CLR:	46	46	0	20	1	0.0	0.0	.517E+04	0	39	72	46	0
					NOT CLR:	22	22	0	15	9	26.0	3.3	.539E+06	0	97	130	22	0
5/15/79 *	BDB	376	390	267	FLT TOT:	78	78	0	38	0	.1	.1	.190E+04	0	38	35	78	0
		18	21	14	IN CLR:	75	75	0	37	0	0.0	0.0	.826E+03	0	38	36	75	0
					NOT CLR:	3	3	0	1	0	1.4	1.3	.289E+05	0	29	25	3	0
5/16/79	BDB	377	391	252	FLT TOT:	75	75	0	40	0	.2	.0	.233E+04	0	38	34	75	0
		18	21	14	IN CLR:	74	74	0	40	0	0.0	0.0	.266E+03	0	38	34	74	0
					NOT CLR:	1	1	0	0	0	16.5	3.0	.155E+06	0	0	0	1	0
5/17/79 *	BDB	343	351	264	FLT TOT:	75	75	48	39	0	0.0	0.0	.332E+03	77	29	61	75	0
		19	21	14	IN CLR:	75	75	48	39	0	0.0	0.0	.332E+03	77	29	61	75	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/18/79	BDB	330	370	277	FLT TOT:	75	75	45	38	4	3.6	.6	.667E+05	60	49	164	75	0
		17	21	13	IN CLR:	64	64	41	33	1	0.0	0.0	.139E+04	60	42	141	64	0
					NOT CLR:	11	11	4	5	3	24.6	4.0	.447E+06	59	97	319	11	0
12/28/78 *	BBB	334	351	261	FLT TOT:	83	83	52	47	0	0.0	0.0	.450E+01	49	15	60	0	0
		18	21	14	IN CLR:	83	83	52	47	0	0.0	0.0	.450E+01	49	15	60	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/29/78	BBB	324	370	229	FLT TOT:	68	68	45	29	3	4.6	.9	.118E+05	73	26	140	0	0
		19	21	14	IN CLR:	59	59	39	24	0	0.0	0.0	.837E+01	76	15	81	0	0
					NOT CLR:	9	9	6	5	3	36.2	6.8	.891E+05	54	75	423	0	0
12/30/78 *	BBB	350	370	254	FLT TOT:	73	73	47	41	0	0.0	0.0	.778E+01	61	16	47	0	0
		19	22	14	IN CLR:	73	73	47	41	0	0.0	0.0	.778E+01	61	16	47	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/31/78	BBB	367	370	287	FLT TOT:	72	72	48	43	1	0.0	0.0	.134E+02	45	20	69	19	0
		23	27	15	IN CLR:	72	72	48	43	1	0.0	0.0	.134E+02	45	20	69	19	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
GUM-MNL																		
2/ 3/76	BBA	368	390	209	FLT TOT:	21	0	21	0	0	2.0	.6	0.	7	0	0	21	0
		14	15	14	IN CLR:	15	0	15	0	0	0.0	0.0	0.	7	0	0	15	0
					NOT CLR:	6	0	6	0	0	7.1	2.0	0.	6	0	0	6	0
2/ 4/76 *	BBA	358	371	211	FLT TOT:	17	0	17	0	0	7.0	1.0	0.	5	0	0	17	0
		14	15	14	IN CLR:	13	0	13	0	0	0.0	0.0	0.	5	0	0	13	0
					NOT CLR:	4	0	4	0	0	29.7	4.3	0.	6	0	0	4	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
GUM-MNL (CONT.)																			
3/28/76		BBA	346	350	298	FLT TOT:	14	0	14	0	0	.2	.3	0.	24	0	0	14	0
			14	15	14	IN CLR:	10	0	10	0	0	0.0	0.0	0.	24	0	0	10	0
						NOT CLR:	4	0	4	0	0	.7	1.0	0.	26	0	0	4	0
5/17/79		BDB	308	311	272	FLT TOT:	28	28	18	15	1	4.3	.3	.170E+05	44	34	301	28	0
			14	15	14	IN CLR:	25	25	17	13	0	0.0	0.0	.235E+04	45	28	227	25	0
						NOT CLR:	3	3	1	2	1	40.0	3.0	.139E+06	30	69	785	3	0
5/18/79	*	BDB	357	370	234	FLT TOT:	31	31	18	17	0	.5	.1	.298E+04	38	37	106	31	0
			14	15	14	IN CLR:	28	28	16	15	0	0.0	0.0	.105E+04	38	35	102	28	0
						NOT CLR:	3	3	2	2	0	5.2	1.3	.210E+05	31	54	133	3	0
12/28/78		BBB	327	330	282	FLT TOT:	29	29	18	16	0	.5	.2	.594E+03	26	29	115	0	0
			14	15	14	IN CLR:	28	28	18	16	0	0.0	0.0	.400E+02	26	29	115	0	0
						NOT CLR:	1	1	0	0	0	15.7	6.0	.161E+05	0	0	0	0	0
12/29/78	*	BBB	351	370	210	FLT TOT:	28	28	9	13	0	5.6	.5	.187E+05	29	46	66	0	0
			14	15	14	IN CLR:	22	22	9	9	0	0.0	0.0	.627E+03	29	27	39	0	0
						NOT CLR:	6	6	0	4	0	26.1	2.3	.851E+05	0	87	125	0	0
GUM-NRT																			
5/10/79	*	BDB	367	370	328	FLT TOT:	29	29	0	13	0	3.0	.4	.231E+05	0	47	72	29	0
			25	34	15	IN CLR:	25	25	0	13	0	0.0	0.0	.945E+03	0	47	72	25	0
						NOT CLR:	4	4	0	0	0	21.7	3.0	.161E+06	0	0	0	4	0
5/10/79		BDB	381	390	218	FLT TOT:	31	31	0	14	0	.4	.2	.618E+04	0	65	56	31	0
			25	35	16	IN CLR:	29	29	0	14	0	0.0	0.0	.247E+03	0	65	56	29	0
						NOT CLR:	2	2	0	0	0	6.3	2.5	.921E+05	0	0	0	2	0
5/15/79		BDB	386	391	308	FLT TOT:	31	31	0	14	4	6.3	1.6	.111E+06	0	82	72	31	0
			25	34	15	IN CLR:	17	17	0	10	0	0.0	0.0	.102E+03	0	74	59	17	0
						NOT CLR:	14	14	0	4	4	13.9	3.6	.246E+06	0	100	104	14	0
5/16/79	*	BDB	368	371	328	FLT TOT:	30	30	0	15	8	29.7	2.2	.283E+06	0	77	156	30	0
			25	34	15	IN CLR:	12	12	0	7	0	0.0	0.0	.238E+03	0	50	73	12	0
						NOT CLR:	18	18	0	8	8	49.4	3.6	.472E+06	0	100	229	18	0
12/31/78	*	BBB	358	371	196	FLT TOT:	31	31	19	16	0	0.0	0.0	.302E+02	38	24	40	0	0
			24	35	14	IN CLR:	31	31	19	16	0	0.0	0.0	.302E+02	38	24	40	0	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/31/78		BBB	378	390	231	FLT TOT:	31	31	19	11	0	.1	.0	.106E+02	53	25	24	0	0
			25	34	15	IN CLR:	30	30	18	11	0	0.0	0.0	.109E+02	54	25	24	0	0
						NOT CLR:	1	1	1	0	0	2.0	1.0	0.	38	0	0	0	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HKG-HND																			
1/23/76	*	BBA	307	311	219	FLT TOT:	30	0	30	0	0	0.0	0.0	0.	18	0	0	30	0
			27	34	22	IN CLR:	30	0	30	0	0	0.0	0.0	0.	18	0	0	30	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/19/76	*	BBA	308	311	221	FLT TOT:	28	0	28	0	0	0.0	0.0	0.	72	0	0	28	0
			27	34	22	IN CLR:	28	0	28	0	0	0.0	0.0	0.	72	0	0	28	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/25/76		BBA	351	371	213	FLT TOT:	22	0	22	0	0	0.0	0.0	0.	98	0	0	20	2
			28	35	21	IN CLR:	22	0	22	0	0	0.0	0.0	0.	98	0	0	20	2
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/21/76		BBA	360	371	213	FLT TOT:	19	0	19	0	0	26.6	1.2	0.	70	0	0	19	0
			29	35	22	IN CLR:	8	0	8	0	0	0.0	0.0	0.	64	0	0	8	0
						NOT CLR:	11	0	11	0	0	46.0	2.1	0.	75	0	0	11	0
9/ 6/76	*	BBA	381	390	264	FLT TOT:	32	0	19	0	0	2.5	.3	0.	64	0	0	32	0
			28	34	22	IN CLR:	27	0	16	0	0	0.0	0.0	0.	62	0	0	27	0
						NOT CLR:	5	0	3	0	0	16.2	1.8	0.	74	0	0	5	0
10/ 8/77	*	BCB	345	351	250	FLT TOT:	37	37	0	0	0	.3	0.0	.511E+01	0	0	0	37	0
			28	34	22	IN CLR:	35	35	0	0	0	0.0	0.0	.541E+01	0	0	0	35	0
						NOT CLR:	2	2	0	0	0	6.3	0.0	0.	0	0	0	2	0
10/13/77		BCB	361	371	212	FLT TOT:	28	28	0	0	0	.8	0.0	.130E+04	0	0	0	28	0
			29	35	22	IN CLR:	26	26	0	0	0	0.0	0.0	.265E+02	0	0	0	26	0
						NOT CLR:	2	2	0	0	0	10.6	0.0	.178E+05	0	0	0	2	0
HKG-MNL																			
1/ 1/77	*	DDA	341	350	283	FLT TOT:	11	0	0	0	0	.5	.2	0.	0	0	0	11	0
			19	21	16	IN CLR:	10	0	0	0	0	0.0	0.0	0.	0	0	0	10	0
						NOT CLR:	1	0	0	0	0	5.5	2.0	0.	0	0	0	1	0
1/ 1/77		DDA	318	330	257	FLT TOT:	8	0	0	0	0	3.8	1.1	0.	0	0	0	8	0
			19	21	17	IN CLR:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
						NOT CLR:	2	0	0	0	0	15.3	4.5	0.	0	0	0	2	0
1/ 4/77		DDA	321	330	263	FLT TOT:	10	0	0	0	0	1.3	.2	0.	0	0	0	10	0
			19	21	16	IN CLR:	8	0	0	0	0	0.0	0.0	0.	0	0	0	8	0
						NOT CLR:	2	0	0	0	0	6.5	1.0	0.	0	0	0	2	0
1/ 4/77	*	DDA	334	350	252	FLT TOT:	12	0	0	0	0	0.0	0.0	0.	0	0	0	12	0
			19	21	16	IN CLR:	12	0	0	0	0	0.0	0.0	0.	0	0	0	12	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 3/76	*	BBA	298	391	219	FLT TOT:	5	0	5	0	0	0.0	0.0	0.	29	0	0	5	0
			19	21	16	IN CLR:	5	0	5	0	0	0.0	0.0	0.	29	0	0	5	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HKG-MNL (CONT.)																		
2/ 4/76	BBA	259	341	210	FLT TOT:	6	0	6	0	0	0.0	0.0	0.	33	0	0	6	0
		18	22	16	IN CLR:	6	0	6	0	0	0.0	0.0	0.	33	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/28/76 *	BBA	381	391	340	FLT TOT:	8	0	8	0	0	.3	.6	0.	27	0	0	8	0
		19	21	17	IN CLR:	6	0	6	0	0	0.0	0.0	0.	28	0	0	6	0
					NOT CLR:	2	0	2	0	0	1.4	2.5	0.	25	0	0	2	0
3/29/76	BBA	355	371	293	FLT TOT:	7	0	7	0	0	.1	.1	0.	33	0	0	7	0
		18	21	16	IN CLR:	6	0	6	0	0	0.0	0.0	0.	29	0	0	6	0
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	58	0	0	1	0
8/17/76	DDA	317	330	263	FLT TOT:	11	0	7	0	0	9.1	1.6	0.	31	0	0	11	0
		18	21	16	IN CLR:	6	0	3	0	0	0.0	0.0	0.	29	0	0	6	0
					NOT CLR:	5	0	4	0	0	20.0	3.6	0.	32	0	0	5	0
8/17/76 *	DDA	343	351	289	FLT TOT:	12	0	8	0	0	28.9	1.5	0.	20	0	0	12	0
		19	21	16	IN CLR:	5	0	5	0	0	0.0	0.0	0.	22	0	0	5	0
					NOT CLR:	7	0	3	0	0	49.5	2.6	0.	18	0	0	7	0
HKG-NRT																		
1/ 4/79 *	BBB	306	310	187	FLT TOT:	41	0	27	20	1	0.0	0.0	0.	51	25	52	41	0
		29	34	22	IN CLR:	41	0	27	20	1	0.0	0.0	0.	51	25	52	41	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/13/79 *	BBB	346	351	228	FLT TOT:	49	0	29	25	2	8.6	.6	0.	44	53	152	49	0
		28	34	22	IN CLR:	38	0	24	21	0	0.0	0.0	0.	42	45	74	38	0
					NOT CLR:	11	0	5	4	2	38.5	2.5	0.	57	96	560	11	0
2/17/79	BBB	354	370	245	FLT TOT:	31	0	19	11	0	0.0	0.0	0.	151	16	55	20	11
		28	34	22	IN CLR:	31	0	19	11	0	0.0	0.0	0.	151	16	55	20	11
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/22/79 *	BBB	347	351	251	FLT TOT:	41	0	26	21	0	5.9	.2	0.	58	21	35	41	0
		28	34	22	IN CLR:	35	0	24	21	0	0.0	0.0	0.	57	21	35	35	0
					NOT CLR:	6	0	2	0	0	40.5	1.7	0.	62	0	0	6	0
3/14/79 *	BBB	372	391	231	FLT TOT:	46	0	30	23	0	.1	0.0	0.	18	26	37	46	0
		28	34	22	IN CLR:	45	0	30	23	0	0.0	0.0	0.	18	26	37	45	0
					NOT CLR:	1	0	0	0	0	6.3	0.0	0.	0	0	0	1	0
5/11/79 *	BDB	341	350	274	FLT TOT:	44	44	0	24	7	13.0	1.0	.107E+06	0	67	137	44	0
		29	34	22	IN CLR:	24	24	0	15	1	0.0	0.0	.104E+05	0	50	114	24	0
					NOT CLR:	20	20	0	9	6	28.6	2.2	.223E+06	0	95	173	20	0
5/25/79	BDB	363	370	223	FLT TOT:	34	34	20	16	0	0.0	0.0	.996E+02	140	30	74	34	0
		28	35	22	IN CLR:	34	34	20	16	0	0.0	0.0	.996E+02	140	30	74	34	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HKG-NRT (CONT.)																		
5/31/79	BDB	361	370	258	FLT TOT:	37	37	24	18	0	0.0	0.0	.118E+05	122	38	89	30	7
		29	35	22	IN CLR:	37	37	24	18	0	0.0	0.0	.118E+05	122	38	89	30	7
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 4/79 *	BDB	370	391	271	FLT TOT:	38	38	25	22	4	10.6	2.1	.158E+06	105	73	89	38	0
		29	34	22	IN CLR:	18	18	12	10	2	0.0	0.0	.111E+05	121	56	95	18	0
					NOT CLR:	20	20	13	12	2	20.1	3.9	.290E+06	90	88	84	20	0
10/15/78 *	BBB	346	350	253	FLT TOT:	35	35	23	0	0	10.4	.6	.475E+05	40	0	0	35	0
		29	35	22	IN CLR:	29	29	20	0	0	0.0	0.0	.304E+03	39	0	0	29	0
					NOT CLR:	6	6	3	0	0	60.6	3.3	.276E+06	43	0	0	6	0
10/29/78 *	BBB	335	351	243	FLT TOT:	40	40	26	20	0	2.0	.2	.544E+04	30	53	190	40	0
		27	34	22	IN CLR:	38	38	25	19	0	0.0	0.0	.833E+01	30	53	175	38	0
					NOT CLR:	2	2	1	1	0	39.2	4.0	.109E+06	34	44	483	2	0
11/ 3/78	BBB	326	330	260	FLT TOT:	32	32	20	17	0	0.0	0.0	.992E+01	61	34	114	32	0
		28	34	22	IN CLR:	32	32	20	17	0	0.0	0.0	.992E+01	61	34	114	32	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 8/78	BBB	352	370	252	FLT TOT:	31	31	19	13	0	0.0	0.0	.188E+02	66	36	21	31	0
		29	35	22	IN CLR:	31	31	19	13	0	0.0	0.0	.188E+02	66	36	21	31	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/27/78	BBB	354	370	261	FLT TOT:	31	31	0	13	2	0.0	0.0	.143E+02	0	31	139	0	0
		29	34	22	IN CLR:	31	31	0	13	2	0.0	0.0	.143E+02	0	31	139	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
HKG-SFO																		
1/18/78 *	ABB	381	430	187	FLT TOT:	162	162	0	85	13	.3	.0	.548E+04	0	45	65	52	110
		43	55	22	IN CLR:	160	160	0	85	13	0.0	0.0	.206E+03	0	45	65	50	110
					NOT CLR:	2	2	0	0	0	27.8	4.0	.428E+06	0	0	0	2	0
1/20/78 *	ABB	421	430	254	FLT TOT:	19	19	0	9	4	0.0	0.0	.289E+02	0	85	54	19	0
		25	28	22	IN CLR:	19	19	0	9	4	0.0	0.0	.289E+02	0	85	54	19	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/20/78	ABB	379	391	265	FLT TOT:	117	117	0	67	9	0.0	0.0	.602E+01	0	64	76	75	42
		34	38	22	IN CLR:	117	117	0	67	9	0.0	0.0	.602E+01	0	64	76	75	42
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/27/78	ABB	392	411	335	FLT TOT:	79	79	52	46	0	.2	.0	.351E+01	158	46	48	56	23
		35	38	32	IN CLR:	77	77	51	45	0	0.0	0.0	.320E+01	160	46	48	54	23
					NOT CLR:	2	2	1	1	0	7.5	1.5	.153E+02	57	33	61	2	0
1/27/78 *	ABB	388	410	369	FLT TOT:	102	102	67	58	0	0.0	0.0	.395E+01	315	36	45	43	59
		39	54	22	IN CLR:	102	102	67	58	0	0.0	0.0	.395E+01	315	36	45	43	59
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HKG-SFO (CONT.)																		
1/29/78	ABB	399	410	208	FLT TOT:	20	20	11	10	1	0.0	0.0	.159E+01	283	71	44	1	19
		38	38	38	IN CLR:	20	20	11	10	1	0.0	0.0	.159E+01	283	71	44	1	19
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 5/78 *	ABB	389	430	201	FLT TOT:	136	136	89	77	21	0.0	0.0	.866E+02	320	65	37	41	95
		43	55	22	IN CLR:	136	136	89	77	21	0.0	0.0	.866E+02	320	65	37	41	95
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/24/78 *	ABB	390	410	217	FLT TOT:	141	141	91	40	6	.0	.0	.155E+02	398	40	35	56	85
		44	58	22	IN CLR:	140	140	91	40	6	0.0	0.0	.905E+01	398	40	35	55	85
					NOT CLR:	1	1	0	0	0	.4	1.0	.918E+03	0	0	0	1	0
5/26/78	ABB	368	390	312	FLT TOT:	116	116	70	0	0	0.0	0.0	.827E+01	245	0	0	92	24
		38	45	22	IN CLR:	116	116	70	0	0	0.0	0.0	.827E+01	245	0	0	92	24
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/26/78 *	ABB	377	430	266	FLT TOT:	153	153	101	0	0	.0	.0	.343E+01	263	0	0	90	63
		43	55	22	IN CLR:	152	152	100	0	0	0.0	0.0	.345E+01	265	0	0	89	63
					NOT CLR:	1	1	1	0	0	.4	1.0	0.	57	0	0	1	0
5/28/78	ABB	375	391	256	FLT TOT:	130	130	84	0	0	0.0	0.0	.826E+01	158	0	0	110	20
		39	44	22	IN CLR:	130	130	84	0	0	0.0	0.0	.826E+01	158	0	0	110	20
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/29/78 *	ABB	371	411	213	FLT TOT:	148	148	95	45	24	0.0	0.0	.820E+01	204	88	45	115	33
		43	55	22	IN CLR:	148	148	95	45	24	0.0	0.0	.820E+01	204	88	45	115	33
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/30/78	ABB	374	410	259	FLT TOT:	131	130	86	10	0	0.0	0.0	.657E+01	188	54	216	104	27
		39	45	22	IN CLR:	131	130	86	10	0	0.0	0.0	.657E+01	188	54	216	104	27
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
HKG-SIN																		
1/20/78 *	ABB	399	411	200	FLT TOT:	32	32	0	2	0	1.7	.6	.406E+03	0	45	225	32	0
		11	21	3	IN CLR:	28	28	0	2	0	0.0	0.0	.118E+03	0	45	225	28	0
					NOT CLR:	4	4	0	0	0	13.8	4.5	.242E+04	0	0	0	4	0
1/27/78 *	ABB	403	410	295	FLT TOT:	32	32	0	16	15	6.3	.9	.816E+04	0	95	74	32	0
		11	21	3	IN CLR:	22	22	0	13	12	0.0	0.0	.186E+03	0	94	73	22	0
					NOT CLR:	10	10	0	3	3	20.0	2.9	.257E+05	0	100	79	10	0
5/27/78	ABB	422	432	271	FLT TOT:	31	31	18	0	0	0.0	0.0	.145E+01	49	0	0	31	0
		12	21	3	IN CLR:	31	31	18	0	0	0.0	0.0	.145E+01	49	0	0	31	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/28/78 *	ABB	397	411	246	FLT TOT:	33	33	21	0	0	0.0	0.0	.465E+01	41	0	0	33	0
		12	21	3	IN CLR:	33	33	21	0	0	0.0	0.0	.465E+01	41	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HKG-SIN (CONT.)																		
5/29/78	ABB	426	431	321	FLT TOT:	25	25	16	13	7	0.0	0.0	.256E+01	42	93	23	25	0
		11	21	4	IN CLR:	25	25	16	13	7	0.0	0.0	.256E+01	42	93	23	25	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/30/78 *	ABB	405	411	276	FLT TOT:	27	27	17	7	3	0.0	0.0	.394E+01	57	58	189	27	0
		13	21	6	IN CLR:	27	27	17	7	3	0.0	0.0	.394E+01	57	58	189	27	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
HND-JFK																		
1/21/77 *	AAA	381	410	277	FLT TOT:	148	148	94	123	0	.3	.0	.351E+03	472	24	14	14	134
		54	65	37	IN CLR:	145	145	93	122	0	0.0	0.0	.861E+00	475	23	14	11	134
					NOT CLR:	3	3	1	1	0	13.1	1.7	.173E+05	183	65	27	3	0
1/23/77	AAA	388	410	269	FLT TOT:	129	129	83	106	0	.1	.0	.337E+01	490	13	14	4	125
		51	60	36	IN CLR:	128	128	83	105	0	0.0	0.0	.340E+01	490	12	13	3	125
					NOT CLR:	1	1	0	1	0	18.8	3.0	0.	0	26	39	1	0
1/28/77 *	AAA	382	430	206	FLT TOT:	134	134	0	113	0	0.0	0.0	.768E+01	0	18	17	15	119
		54	62	37	IN CLR:	134	134	0	113	0	0.0	0.0	.768E+01	0	18	17	15	119
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/ 8/78 *	ABB	381	411	334	FLT TOT:	136	136	0	0	0	.3	.0	.109E+02	0	0	0	4	132
		56	65	37	IN CLR:	134	134	0	0	0	0.0	0.0	.627E+01	0	0	0	2	132
					NOT CLR:	2	2	0	0	0	21.8	1.5	.321E+03	0	0	0	2	0
1/10/78	ABB	373	391	238	FLT TOT:	132	132	0	0	0	1.1	.0	.290E+03	0	0	0	13	119
		54	65	36	IN CLR:	129	129	0	0	0	0.0	0.0	.872E+01	0	0	0	12	117
					NOT CLR:	3	3	0	0	0	47.1	2.0	.124E+05	0	0	0	1	2
1/13/78	ABB	407	410	364	FLT TOT:	23	23	0	10	0	.1	.0	.139E+01	0	51	46	1	22
		49	55	42	IN CLR:	22	22	0	10	0	0.0	0.0	.145E+01	0	51	46	0	22
					NOT CLR:	1	1	0	0	0	1.6	1.0	0.	0	0	0	1	0
1/16/78	ABB	391	430	249	FLT TOT:	122	122	0	70	2	2.3	.1	.158E+05	0	28	36	11	111
		51	60	36	IN CLR:	118	118	0	69	1	0.0	0.0	.818E+01	0	27	36	7	111
					NOT CLR:	4	4	0	1	1	69.7	3.8	.481E+06	0	100	85	4	0
1/17/78 *	ABB	379	410	270	FLT TOT:	147	147	0	82	7	3.9	.2	.125E+05	0	43	44	3	144
		53	62	37	IN CLR:	139	139	0	82	7	0.0	0.0	.556E+02	0	43	44	0	139
					NOT CLR:	8	8	0	0	0	72.5	3.0	.229E+06	0	0	0	3	5
2/11/78	ABB	403	410	195	FLT TOT:	41	41	27	23	0	0.0	0.0	.383E+01	423	53	63	1	40
		46	47	41	IN CLR:	41	41	27	23	0	0.0	0.0	.383E+01	428	53	63	1	40
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/26/77	AAA	352	370	261	FLT TOT:	54	54	35	45	4	3.9	.4	.544E+04	213	61	21	0	0
		46	50	41	IN CLR:	45	45	28	37	1	0.0	0.0	.258E+03	224	54	18	0	0
					NOT CLR:	9	9	7	8	3	23.3	2.7	.313E+05	166	93	33	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-JFK (CONT.)																		
4/ 6/77 *	AAA	391	430	278	FLT TOT:	151	0	0	0	0	.0	.0	0.	0	0	0	3	148
		55	65	37	IN CLR:	150	0	0	0	0	0.0	0.0	0.	0	0	0	2	148
					NOT CLR:	1	0	0	0	0	2.7	1.0	0.	0	0	0	1	0
4/ 8/77	AAA	376	410	206	FLT TOT:	131	0	0	0	0	1.1	.1	0.	0	0	0	31	100
		52	60	36	IN CLR:	125	0	0	0	0	0.0	0.0	0.	0	0	0	25	100
					NOT CLR:	6	0	0	0	0	24.4	2.0	0.	0	0	0	6	0
4/10/77 *	AAA	348	351	216	FLT TOT:	144	0	0	0	0	2.6	.2	0.	0	0	0	35	109
		53	64	36	IN CLR:	133	0	0	0	0	0.0	0.0	0.	0	0	0	24	109
					NOT CLR:	11	0	0	0	0	33.4	2.3	0.	0	0	0	11	0
4/12/77	AAA	347	370	265	FLT TOT:	127	0	0	0	0	7.8	.5	0.	0	0	0	74	53
		46	51	36	IN CLR:	102	0	0	0	0	0.0	0.0	0.	0	0	0	49	53
					NOT CLR:	25	0	0	0	0	39.7	2.8	0.	0	0	0	25	0
4/13/77 *	AAA	386	431	264	FLT TOT:	147	0	0	0	0	.9	.2	0.	0	0	0	46	101
		54	65	37	IN CLR:	136	0	0	0	0	0.0	0.0	0.	0	0	0	35	101
					NOT CLR:	11	0	0	0	0	11.5	2.5	0.	0	0	0	11	0
4/15/77	AAA	377	410	270	FLT TOT:	130	0	0	0	0	6.7	.5	0.	0	0	0	40	90
		52	60	36	IN CLR:	101	0	0	0	0	0.0	0.0	0.	0	0	0	12	89
					NOT CLR:	29	0	0	0	0	29.9	2.2	0.	0	0	0	28	1
4/17/77 *	AAA	383	431	281	FLT TOT:	153	0	0	0	0	3.8	.2	0.	0	0	0	41	112
		53	64	37	IN CLR:	142	0	0	0	0	0.0	0.0	0.	0	0	0	30	112
					NOT CLR:	11	0	0	0	0	53.2	3.5	0.	0	0	0	11	0
4/19/77	AAA	374	390	278	FLT TOT:	126	0	0	0	0	13.1	1.0	0.	0	0	0	57	69
		51	59	37	IN CLR:	93	0	0	0	0	0.0	0.0	0.	0	0	0	34	59
					NOT CLR:	33	0	0	0	0	49.9	3.7	0.	0	0	0	23	10
4/20/77 *	AAA	378	411	276	FLT TOT:	124	0	0	0	0	1.9	.2	0.	0	0	0	29	95
		53	61	37	IN CLR:	115	0	0	0	0	0.0	0.0	0.	0	0	0	21	94
					NOT CLR:	9	0	0	0	0	26.5	2.1	0.	0	0	0	8	1
4/22/77	AAA	368	390	200	FLT TOT:	135	0	0	0	0	4.4	.3	0.	0	0	0	44	91
		50	59	36	IN CLR:	113	0	0	0	0	0.0	0.0	0.	0	0	0	29	84
					NOT CLR:	22	0	0	0	0	27.1	1.6	0.	0	0	0	15	7
4/24/77 *	AAA	371	390	205	FLT TOT:	151	0	0	0	0	6.5	.4	0.	0	0	0	63	88
		52	61	37	IN CLR:	129	0	0	0	0	0.0	0.0	0.	0	0	0	41	88
					NOT CLR:	22	0	0	0	0	44.8	2.8	0.	0	0	0	22	0
4/25/77	AAA	383	410	243	FLT TOT:	134	0	0	0	0	6.1	.4	0.	0	0	0	20	114
		53	63	36	IN CLR:	113	0	0	0	0	0.0	0.0	0.	0	0	0	10	103
					NOT CLR:	21	0	0	0	0	39.1	2.5	0.	0	0	0	10	11
4/26/77 *	AAA	358	370	279	FLT TOT:	145	145	92	0	0	3.7	.3	.104E+05	345	0	0	87	58
		51	59	37	IN CLR:	128	128	83	0	0	0.0	0.0	.175E+04	373	0	0	70	58
					NOT CLR:	17	17	9	0	0	31.6	2.6	.755E+05	87	0	0	17	0

DEP-ARR IM/ID/IY	CODE	AVFL / ALAT	EXHI / EXTN	EXLO / EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-JFK (CONT.)																		
4/28/77	AAA	361	410	200	FLT TOT:	128	128	84	0	0	5.8	.3	.340E+05	521	0	0	28	100
		52	59	37	IN CLR:	111	111	74	0	0	0.0	0.0	.701E+02	578	0	0	12	99
					NOT CLR:	17	17	10	0	0	43.9	2.2	.256E+06	99	0	0	16	1
4/29/77 *	AAA	374	410	218	FLT TOT:	148	148	96	0	0	0.0	0.0	.679E+03	527	0	0	36	112
		53	63	37	IN CLR:	148	148	96	0	0	0.0	0.0	.679E+03	527	0	0	36	112
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/ 9/78	ABB	379	391	217	FLT TOT:	81	81	0	41	20	6.8	.1	.185E+05	0	73	50	29	52
		48	59	35	IN CLR:	73	73	0	35	14	0.0	0.0	.351E+03	0	68	54	22	51
					NOT CLR:	8	8	0	6	6	68.4	.9	.184E+06	0	100	28	7	1
4/28/78 *	ABB	370	390	255	FLT TOT:	145	145	0	74	27	3.0	.3	.263E+05	0	76	39	45	100
		54	65	37	IN CLR:	132	132	0	66	22	0.0	0.0	.925E+03	0	73	38	34	98
					NOT CLR:	13	13	0	8	5	33.6	2.8	.283E+06	0	97	45	11	2
4/30/78	ABB	370	390	260	FLT TOT:	134	134	0	71	14	1.1	.1	.322E+04	0	59	46	32	102
		54	65	36	IN CLR:	128	128	0	70	13	0.0	0.0	.106E+04	0	58	45	26	102
					NOT CLR:	6	6	0	1	1	24.3	1.3	.492E+05	0	100	119	6	0
5/ 1/77	AAA	387	410	252	FLT TOT:	130	130	79	0	0	1.4	.1	.522E+04	614	0	0	14	116
		50	59	35	IN CLR:	123	123	79	0	0	0.0	0.0	.460E+02	614	0	0	7	116
					NOT CLR:	7	7	0	0	0	26.0	2.4	.961E+05	0	0	0	7	0
5/ 1/78 *	ABB	382	431	264	FLT TOT:	146	146	0	82	18	.1	.0	.362E+03	0	54	34	35	111
		54	65	37	IN CLR:	145	145	0	81	17	0.0	0.0	.316E+03	0	53	34	34	111
					NOT CLR:	1	1	0	1	1	13.7	1.0	.703E+04	0	100	33	1	0
5/ 3/78	ABB	377	411	264	FLT TOT:	124	124	0	71	22	9.6	.4	.198E+05	0	68	47	35	89
		46	49	35	IN CLR:	101	101	0	60	12	0.0	0.0	.804E+03	0	62	45	21	80
					NOT CLR:	23	23	0	11	10	52.0	2.0	.103E+06	0	100	60	14	9
5/ 4/78 *	ABB	378	431	199	FLT TOT:	141	141	0	79	13	4.0	.2	.697E+04	0	68	60	32	109
		54	65	36	IN CLR:	128	128	0	74	12	0.0	0.0	.286E+03	0	68	58	22	106
					NOT CLR:	13	13	0	5	1	43.8	2.0	.728E+05	0	65	100	10	3
5/ 6/78	ABB	379	410	261	FLT TOT:	136	136	0	76	16	1.5	.1	.285E+04	0	58	47	28	108
		51	60	35	IN CLR:	126	126	0	71	12	0.0	0.0	.108E+03	0	56	41	18	108
					NOT CLR:	10	10	0	5	4	20.4	1.9	.375E+05	0	97	135	10	0
5/ 7/78 *	ABB	365	389	256	FLT TOT:	19	19	0	10	9	32.0	1.8	.921E+05	0	93	65	18	1
		41	45	37	IN CLR:	5	5	0	5	5	0.0	0.0	.343E+04	0	100	41	5	0
					NOT CLR:	14	14	0	5	4	43.4	2.5	.124E+06	0	86	89	13	1
5/19/78 *	ABB	387	432	312	FLT TOT:	144	144	87	70	4	0.0	0.0	.111E+02	474	36	29	33	111
		53	61	37	IN CLR:	144	144	87	70	4	0.0	0.0	.111E+02	474	36	29	33	111
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 1/77 *	AAA	388	430	349	FLT TOT:	46	0	16	0	0	1.2	.2	0.	375	0	0	16	30
		53	65	37	IN CLR:	43	0	15	0	0	0.0	0.0	0.	396	0	0	13	30
					NOT CLR:	3	0	1	0	0	18.3	2.3	0.	52	0	0	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-JFK (CONT.)																		
6/ 2/77	AAA	382	410	345	FLT TOT:	29	0	13	0	0	1.5	.1	0.	321	0	0	6	23
		46	50	37	IN CLR:	26	0	12	0	0	0.0	0.0	0.	341	0	0	3	23
					NOT CLR:	3	0	1	0	0	14.5	1.3	0.	76	0	0	3	0
6/ 3/77 *	AAA	391	430	205	FLT TOT:	149	149	98	0	0	3.6	.4	.502E+04	276	0	0	55	94
		50	60	35	IN CLR:	134	134	87	0	0	0.0	0.0	.297E+03	300	0	0	46	88
					NOT CLR:	15	15	11	0	0	36.2	3.7	.473E+05	88	0	0	9	6
7/ 4/77 *	ACA	395	430	256	FLT TOT:	139	0	0	0	0	0.0	0.0	0.	0	0	0	52	87
		55	65	37	IN CLR:	139	0	0	0	0	0.0	0.0	0.	0	0	0	52	87
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 6/77	ACA	384	411	279	FLT TOT:	120	0	0	0	0	7.5	0.0	0.	0	0	0	89	31
		47	51	36	IN CLR:	94	0	0	0	0	0.0	0.0	0.	0	0	0	64	30
					NOT CLR:	26	0	0	0	0	34.4	0.0	0.	0	0	0	25	1
7/ 8/77 *	ACA	376	410	248	FLT TOT:	135	135	86	0	0	.8	0.0	.156E+04	381	0	0	42	93
		55	65	37	IN CLR:	128	128	82	0	0	0.0	0.0	.947E+02	394	0	0	36	92
					NOT CLR:	7	7	4	0	0	16.1	0.0	.283E+05	107	0	0	6	1
7/10/77	ACA	378	410	218	FLT TOT:	133	133	85	0	0	6.9	0.0	.310E+05	310	0	0	59	74
		51	60	36	IN CLR:	105	105	71	0	0	0.0	0.0	.478E+03	357	0	0	35	70
					NOT CLR:	28	28	14	0	0	32.5	0.0	.145E+06	73	0	0	24	4
7/14/77 *	ACA	350	370	205	FLT TOT:	85	85	54	0	0	3.3	0.0	.727E+04	298	0	0	39	46
		54	65	36	IN CLR:	78	78	50	0	0	0.0	0.0	.207E+03	315	0	0	32	46
					NOT CLR:	7	7	4	0	0	40.5	0.0	.860E+05	83	0	0	7	0
7/15/77	ACA	376	411	260	FLT TOT:	111	111	76	0	0	8.8	0.0	.511E+05	171	0	0	90	21
		47	51	35	IN CLR:	80	80	54	0	0	0.0	0.0	.205E+03	207	0	0	60	20
					NOT CLR:	31	31	22	0	0	31.5	0.0	.182E+06	82	0	0	30	1
7/17/77 *	ACA	380	432	217	FLT TOT:	143	143	88	0	0	1.8	0.0	.884E+04	321	0	0	62	81
		55	66	37	IN CLR:	130	130	78	0	0	0.0	0.0	.199E+03	350	0	0	49	81
					NOT CLR:	13	13	10	0	0	20.2	0.0	.953E+05	90	0	0	13	0
7/19/77	ACA	381	410	211	FLT TOT:	124	124	80	0	0	4.3	0.0	.256E+05	231	0	0	79	45
		47	53	35	IN CLR:	89	89	58	0	0	0.0	0.0	.997E+03	272	0	0	45	44
					NOT CLR:	35	35	22	0	0	15.2	0.0	.881E+05	124	0	0	34	1
7/28/77 *	ACA	397	431	289	FLT TOT:	118	118	71	0	0	1.7	0.0	.497E+04	277	0	0	51	67
		53	63	37	IN CLR:	109	109	67	0	0	0.0	0.0	.177E+03	287	0	0	45	64
					NOT CLR:	9	9	4	0	0	21.7	0.0	.630E+05	118	0	0	6	3
8/16/77 *	ABA	379	431	225	FLT TOT:	138	138	86	0	0	7.3	.6	.319E+05	172	0	0	58	80
		54	65	37	IN CLR:	112	112	72	0	0	0.0	0.0	.572E+03	195	0	0	32	80
					NOT CLR:	26	26	14	0	0	38.9	2.9	.167E+06	54	0	0	26	0
8/18/77	ABA	383	411	313	FLT TOT:	98	98	49	0	0	2.2	.3	.280E+05	246	0	0	32	66
		54	67	37	IN CLR:	89	89	48	0	0	0.0	0.0	.396E+02	249	0	0	23	66
					NOT CLR:	9	9	1	0	0	24.2	3.0	.305E+06	104	0	0	9	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HND-JFK (CONT.)																		
8/19/77 *	ABA	381	430	275	FLT TOT:	148	148	79	0	0	.2	.1	.583E+03	208	0	0	65	83
		54	63	37	IN CLR:	139	139	75	0	0	0.0	0.0	.741E+02	214	0	0	57	82
					NOT CLR:	9	9	4	0	0	3.2	1.6	.844E+04	93	0	0	8	1
8/21/77	ABA	380	411	258	FLT TOT:	123	123	54	0	0	6.0	.3	.111E+05	259	0	0	56	67
		54	67	36	IN CLR:	106	106	51	0	0	0.0	0.0	.342E+03	270	0	0	39	67
					NOT CLR:	17	17	3	0	0	43.6	1.9	.783E+05	72	0	0	17	0
8/25/77 *	ABA	381	430	243	FLT TOT:	141	141	93	0	0	3.3	.5	.140E+05	178	0	0	64	77
		53	65	37	IN CLR:	120	120	82	0	0	0.0	0.0	.184E+03	196	0	0	45	75
					NOT CLR:	21	21	11	0	0	21.9	3.2	.928E+05	45	0	0	19	2
8/27/77	ABA	363	411	237	FLT TOT:	106	106	67	0	0	5.2	.7	.173E+05	117	0	0	89	17
		44	50	35	IN CLR:	89	89	56	0	0	0.0	0.0	.106E+03	128	0	0	72	17
					NOT CLR:	17	17	11	0	0	32.4	4.4	.107E+06	59	0	0	17	0
8/28/77 *	ABA	385	430	258	FLT TOT:	140	140	92	0	0	.5	.1	.167E+04	223	0	0	41	99
		52	60	37	IN CLR:	135	135	88	0	0	0.0	0.0	.145E+03	230	0	0	36	99
					NOT CLR:	5	5	4	0	0	15.0	2.6	.430E+05	81	0	0	5	0
8/30/77	ABA	396	430	266	FLT TOT:	115	115	73	0	0	6.4	.7	.316E+05	149	0	0	74	41
		45	50	36	IN CLR:	97	97	61	0	0	0.0	0.0	.663E+02	164	0	0	56	41
					NOT CLR:	18	18	12	0	0	41.0	4.3	.202E+06	73	0	0	18	0
8/31/77 *	ABA	389	430	271	FLT TOT:	137	137	92	0	0	3.2	.2	.120E+05	237	0	0	42	95
		55	65	37	IN CLR:	127	127	87	0	0	0.0	0.0	.630E+02	247	0	0	32	95
					NOT CLR:	10	10	5	0	0	44.0	2.8	.164E+06	54	0	0	10	0
9/ 2/77	ABA	377	410	215	FLT TOT:	129	129	84	0	0	3.8	.7	.107E+05	181	0	0	83	46
		46	51	35	IN CLR:	107	107	70	0	0	0.0	0.0	.866E+02	204	0	0	61	46
					NOT CLR:	22	22	14	0	0	22.3	3.9	.624E+05	66	0	0	22	0
9/ 6/77 *	ABA	388	431	235	FLT TOT:	152	152	99	0	0	.6	.1	.163E+04	202	0	0	78	74
		54	65	37	IN CLR:	148	148	95	0	0	0.0	0.0	.113E+03	208	0	0	74	74
					NOT CLR:	4	4	4	0	0	22.1	4.3	.577E+05	74	0	0	4	0
9/ 8/77	ABA	383	431	198	FLT TOT:	117	117	77	0	0	4.6	.6	.340E+05	199	0	0	50	67
		51	59	36	IN CLR:	99	99	67	0	0	0.0	0.0	.183E+03	218	0	0	37	62
					NOT CLR:	18	18	10	0	0	30.0	3.6	.220E+06	73	0	0	13	5
9/10/77 *	ABA	379	430	267	FLT TOT:	143	143	93	0	0	2.0	.3	.474E+04	163	0	0	80	63
		55	65	37	IN CLR:	126	126	80	0	0	0.0	0.0	.682E+03	185	0	0	63	63
					NOT CLR:	17	17	13	0	0	16.5	2.2	.349E+05	26	0	0	17	0
9/12/77	ABA	364	410	204	FLT TOT:	121	121	74	0	0	5.7	.5	.151E+05	150	0	0	59	62
		52	60	36	IN CLR:	101	101	59	0	0	0.0	0.0	.755E+02	179	0	0	39	62
					NOT CLR:	20	20	15	0	0	34.7	2.9	.909E+05	39	0	0	20	0
9/13/77 *	ABA	389	430	277	FLT TOT:	150	150	98	0	0	.6	.1	.209E+04	238	0	0	30	120
		55	67	37	IN CLR:	145	145	94	0	0	0.0	0.0	.676E+02	245	0	0	25	120
					NOT CLR:	5	5	4	0	0	18.4	4.2	.609E+05	88	0	0	5	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HND-JFK (CONT.)																		
9/15/77	ABA	382	410	273	FLT TOT:	118	118	79	0	0	4.4	.5	.178E+05	166	0	0	57	61
		53	62	36	IN CLR:	99	99	66	0	0	0.0	0.0	.125E+03	186	0	0	38	61
					NOT CLR:	19	19	13	0	0	27.6	2.8	.110E+06	54	0	0	19	0
9/16/77 *	ABA	377	410	216	FLT TOT:	145	145	96	0	0	7.1	.6	.171E+05	100	0	0	122	23
		50	60	35	IN CLR:	118	118	76	0	0	0.0	0.0	.545E+02	110	0	0	95	23
					NOT CLR:	27	27	20	0	0	37.9	3.1	.915E+05	62	0	0	27	0
9/20/77 *	ABA	391	430	245	FLT TOT:	148	148	101	0	0	.8	.1	.126E+04	169	0	0	65	63
		53	65	35	IN CLR:	138	138	93	0	0	0.0	0.0	.381E+03	180	0	0	75	63
					NOT CLR:	10	10	8	0	0	12.2	1.6	.133E+05	47	0	0	10	0
9/23/77 *	ABA	377	411	270	FLT TOT:	149	0	97	0	0	1.9	.3	0.	167	0	0	70	79
		54	63	37	IN CLR:	137	0	88	0	0	0.0	0.0	0.	178	0	0	60	77
					NOT CLR:	12	0	9	0	0	23.3	4.1	0.	58	0	0	10	2
9/25/77	ABA	358	410	198	FLT TOT:	132	0	87	0	0	1.4	.1	0.	138	0	0	74	58
		45	52	35	IN CLR:	126	0	84	0	0	0.0	0.0	0.	142	0	0	69	57
					NOT CLR:	6	0	3	0	0	30.7	3.0	0.	40	0	0	5	1
10/ 3/77 *	ABA	382	430	209	FLT TOT:	132	0	80	0	0	.2	.2	0.	208	0	0	43	89
		54	65	37	IN CLR:	127	0	77	0	0	0.0	0.0	0.	207	0	0	41	86
					NOT CLR:	5	0	3	0	0	4.9	4.6	0.	226	0	0	2	3
10/17/77 *	ABB	388	431	190	FLT TOT:	145	0	95	0	0	0.0	0.0	0.	261	0	0	18	127
		54	65	37	IN CLR:	145	0	95	0	0	0.0	0.0	0.	261	0	0	18	127
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/20/77	ABB	384	410	309	FLT TOT:	116	0	75	0	0	.0	.0	0.	180	0	0	47	69
		47	51	36	IN CLR:	115	0	75	0	0	0.0	0.0	0.	180	0	0	46	69
					NOT CLR:	1	0	0	0	0	.4	1.0	0.	0	0	0	1	0
10/31/77 *	ABB	381	410	250	FLT TOT:	138	138	89	22	1	4.0	.3	.201E+05	183	47	89	37	101
		54	65	36	IN CLR:	125	125	81	21	1	0.0	0.0	.701E+02	197	44	43	24	101
					NOT CLR:	13	13	8	1	0	43.0	3.5	.213E+06	39	1001	042	13	0
11/ 2/77	ABB	374	411	223	FLT TOT:	121	121	79	0	0	1.1	.1	.198E+04	183	0	0	51	70
		51	59	37	IN CLR:	117	117	76	0	0	0.0	0.0	.843E+02	187	0	0	47	70
					NOT CLR:	4	4	3	0	0	33.3	1.8	.573E+05	83	0	0	4	0
HND-LAX																		
1/22/77	AAA	407	430	217	FLT TOT:	94	94	61	78	0	0.0	0.0	.537E+01	413	13	16	2	92
		37	39	35	IN CLR:	94	94	61	78	0	0.0	0.0	.537E+01	413	13	16	2	92
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/22/77 *	AAA	388	410	209	FLT TOT:	116	116	77	97	3	2.3	.2	.781E+04	550	27	15	9	107
		47	55	35	IN CLR:	110	110	73	92	1	0.0	0.0	.444E+02	576	24	15	9	101
					NOT CLR:	6	6	4	5	2	45.3	3.2	.150E+06	75	94	13	0	6

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-LAX (CONT.)																		
1/29/77	AAA	401	430	201	FLT TOT:	100	100	59	84	0	.0	.0	.210E+02	381	15	18	15	85
		38	40	34	IN CLR:	99	99	58	83	0	0.0	0.0	.212E+02	383	15	18	15	84
					NOT CLR:	1	1	1	1	0	.4	1.0	0.	253	14	17	0	1
1/ 9/78	ABB	400	430	295	FLT TOT:	93	93	0	0	0	0.0	0.0	.824E+01	0	0	0	36	57
		36	37	35	IN CLR:	93	93	0	0	0	0.0	0.0	.824E+01	0	0	0	36	57
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/ 9/78 *	ABB	389	391	309	FLT TOT:	89	89	0	0	0	0.0	0.0	.353E+00	0	0	0	1	88
		50	55	37	IN CLR:	89	89	0	0	0	0.0	0.0	.353E+00	0	0	0	1	88
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/15/78 *	ABB	388	410	290	FLT TOT:	116	116	0	66	0	0.0	0.0	.327E+01	0	27	56	19	97
		48	54	35	IN CLR:	116	116	0	66	0	0.0	0.0	.327E+01	0	27	56	19	97
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/18/78	ABB	402	430	297	FLT TOT:	90	90	0	54	0	.8	.0	.254E+04	0	20	27	35	55
		39	40	35	IN CLR:	89	89	0	54	0	0.0	0.0	.599E+02	0	20	27	34	55
					NOT CLR:	1	1	0	0	0	70.6	1.0	.223E+06	0	0	0	1	0
2/ 8/78 *	ABB	369	390	350	FLT TOT:	41	41	0	22	1	0.0	0.0	.297E+01	0	49	75	12	29
		46	54	36	IN CLR:	41	41	0	22	1	0.0	0.0	.297E+01	0	49	75	12	29
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/13/78 *	ABB	404	430	195	FLT TOT:	103	103	67	52	0	.2	.0	.948E+02	661	35	52	2	101
		49	55	37	IN CLR:	102	102	67	52	0	0.0	0.0	.933E+02	661	35	52	1	101
					NOT CLR:	1	1	0	0	0	25.1	5.0	.254E+03	0	0	0	1	0
2/16/78	ABB	395	410	279	FLT TOT:	92	92	0	53	4	.0	.0	.357E+02	0	37	14	60	32
		38	39	35	IN CLR:	90	90	0	51	3	0.0	0.0	.361E+02	0	36	14	59	31
					NOT CLR:	2	2	0	2	1	1.6	1.5	.164E+02	0	61	19	1	1
3/25/77	AAA	393	431	208	FLT TOT:	50	50	24	41	11	9.4	1.1	.304E+05	395	44	12	0	0
		47	52	35	IN CLR:	35	35	15	29	1	0.0	0.0	0.	593	21	9	0	0
					NOT CLR:	15	15	9	12	10	31.2	3.8	.101E+06	66	98	18	0	0
4/ 7/77	AAA	390	410	235	FLT TOT:	100	0	0	0	0	3.6	.1	0.	0	0	0	49	51
		40	44	35	IN CLR:	91	0	0	0	0	0.0	0.0	0.	0	0	0	40	51
					NOT CLR:	9	0	0	0	0	39.5	1.0	0.	0	0	0	9	0
4/ 7/77 *	AAA	384	432	261	FLT TOT:	117	0	0	0	0	.2	.0	0.	0	0	0	16	101
		50	58	35	IN CLR:	115	0	0	0	0	0.0	0.0	0.	0	0	0	14	101
					NOT CLR:	2	0	0	0	0	10.4	1.5	0.	0	0	0	2	0
4/11/77	AAA	368	370	271	FLT TOT:	96	0	0	0	0	17.7	1.5	0.	0	0	0	52	44
		41	44	34	IN CLR:	57	0	0	0	0	0.0	0.0	0.	0	0	0	25	32
					NOT CLR:	39	0	0	0	0	43.6	3.6	0.	0	0	0	27	12
4/11/77 *	AAA	393	431	290	FLT TOT:	122	0	0	0	0	3.3	.5	0.	0	0	0	38	84
		47	55	35	IN CLR:	104	0	0	0	0	0.0	0.0	0.	0	0	0	20	84
					NOT CLR:	18	0	0	0	0	22.2	3.2	0.	0	0	0	18	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-LAX (CONT.)																		
4/14/77 *	AAA	387	390	286	FLT TOT:	125	0	0	0	0	8.4	.3	0.	0	0	0	55	70
		47	55	35	IN CLR:	101	0	0	0	0	0.0	0.0	0.	0	0	0	31	70
					NOT CLR:	24	0	0	0	0	43.6	1.8	0.	0	0	0	24	0
4/14/77	AAA	367	370	205	FLT TOT:	95	0	0	0	0	5.5	.6	0.	0	0	0	63	32
		41	45	35	IN CLR:	77	0	0	0	0	0.0	0.0	0.	0	0	0	45	32
					NOT CLR:	18	0	0	0	0	29.0	3.3	0.	0	0	0	18	0
4/18/77	AAA	403	414	210	FLT TOT:	93	0	0	0	0	.8	.2	0.	0	0	0	33	60
		46	52	35	IN CLR:	89	0	0	0	0	0.0	0.0	0.	0	0	0	29	60
					NOT CLR:	4	0	0	0	0	19.5	5.5	0.	0	0	0	4	0
4/19/77 *	AAA	395	432	200	FLT TOT:	125	0	0	0	0	8.8	.6	0.	0	0	0	99	26
		39	43	35	IN CLR:	93	0	0	0	0	0.0	0.0	0.	0	0	0	72	21
					NOT CLR:	32	0	0	0	0	34.3	2.3	0.	0	0	0	27	5
4/21/77 *	AAA	389	411	298	FLT TOT:	120	0	0	0	0	1.7	.2	0.	0	0	0	26	94
		50	59	35	IN CLR:	111	0	0	0	0	0.0	0.0	0.	0	0	0	17	94
					NOT CLR:	9	0	0	0	0	22.4	2.2	0.	0	0	0	9	0
4/21/77	AAA	386	390	295	FLT TOT:	92	0	0	0	0	.6	.1	0.	0	0	0	60	32
		43	48	35	IN CLR:	88	0	0	0	0	0.0	0.0	0.	0	0	0	56	32
					NOT CLR:	4	0	0	0	0	14.6	2.5	0.	0	0	0	4	0
4/27/77	AAA	374	390	296	FLT TOT:	97	97	59	0	0	10.0	.2	.263E+05	367	0	0	52	45
		40	44	35	IN CLR:	75	75	47	0	0	0.0	0.0	.132E+04	434	0	0	30	45
					NOT CLR:	22	22	12	0	0	44.1	.9	.111E+06	104	0	0	22	0
4/27/77 *	AAA	375	411	200	FLT TOT:	115	115	68	0	0	11.2	.4	.505E+05	429	0	0	59	56
		45	51	35	IN CLR:	95	95	56	0	0	0.0	0.0	.121E+04	506	0	0	39	56
					NOT CLR:	20	20	12	0	0	64.5	2.3	.285E+06	69	0	0	20	0
4/30/77 *	AAA	390	410	287	FLT TOT:	113	113	76	0	0	3.2	.1	.149E+05	642	0	0	13	100
		49	58	35	IN CLR:	107	107	73	0	0	0.0	0.0	.328E+02	662	0	0	7	100
					NOT CLR:	6	6	3	0	0	60.0	1.2	.280E+06	163	0	0	6	0
4/30/77	AAA	361	370	280	FLT TOT:	90	90	58	0	0	12.4	.5	.512E+05	283	0	0	57	33
		41	46	35	IN CLR:	66	66	41	0	0	0.0	0.0	.407E+03	365	0	0	35	31
					NOT CLR:	24	24	17	0	0	46.5	2.0	.191E+06	83	0	0	22	2
4/ 8/78 *	ABB	372	391	205	FLT TOT:	116	116	20	67	8	.1	.0	.243E+03	64	61	46	36	80
		47	54	36	IN CLR:	113	113	19	65	8	0.0	0.0	.195E+03	62	60	46	33	80
					NOT CLR:	3	3	1	2	0	4.1	1.3	.207E+04	87	72	45	3	0
4/20/78	ABB	387	390	241	FLT TOT:	94	94	0	19	11	11.4	.3	.236E+05	0	83	35	36	58
		42	45	35	IN CLR:	72	72	0	19	11	0.0	0.0	.962E+03	0	83	35	18	54
					NOT CLR:	22	22	0	0	0	48.6	1.4	.975E+05	0	0	0	18	4
4/29/78 *	ABB	381	411	227	FLT TOT:	122	122	0	67	17	5.9	.2	.311E+05	0	67	55	29	93
		48	56	35	IN CLR:	109	109	0	63	13	0.0	0.0	.553E+03	0	65	55	16	93
					NOT CLR:	13	13	0	4	4	55.4	2.3	.288E+06	0	100	48	13	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-LAX (CONT.)																		
5/ 5/78 *	ABB	368	411	197	FLT TOT:	118	118	0	66	21	7.0	.7	.130E+05	0	68	67	57	61
		46	54	35	IN CLR:	92	92	0	52	7	0.0	0.0	.255E+03	0	59	59	31	61
					NOT CLR:	26	26	0	14	14	31.9	3.1	.582E+05	0	100	96	26	0
5/17/78 *	ABB	377	412	260	FLT TOT:	118	118	77	52	10	0.0	0.0	.460E+02	347	45	34	50	68
		47	55	35	IN CLR:	118	118	77	52	10	0.0	0.0	.460E+02	347	45	34	50	68
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 4/77	AAA	389	410	257	FLT TOT:	94	94	62	0	0	6.9	1.0	.261E+05	186	0	0	72	22
		39	42	35	IN CLR:	72	72	48	0	0	0.0	0.0	.638E+03	221	0	0	50	22
					NOT CLR:	22	22	14	0	0	29.6	4.1	.109E+06	67	0	0	22	0
7/ 5/77	ACA	393	429	213	FLT TOT:	87	0	0	0	0	7.4	0.0	0.	0	0	0	69	18
		42	46	35	IN CLR:	62	0	0	0	0	0.0	0.0	0.	0	0	0	44	18
					NOT CLR:	25	0	0	0	0	25.8	0.0	0.	0	0	0	25	0
7/ 5/77 *	ACA	386	391	197	FLT TOT:	116	0	0	0	0	.9	0.0	0.	0	0	0	46	70
		49	55	36	IN CLR:	113	0	0	0	0	0.0	0.0	0.	0	0	0	43	70
					NOT CLR:	3	0	0	0	0	33.5	0.0	0.	0	0	0	3	0
7/ 9/77 *	ACA	376	410	261	FLT TOT:	116	116	74	0	0	3.6	0.0	.156E+05	139	0	0	116	0
		43	49	35	IN CLR:	99	99	62	0	0	0.0	0.0	.140E+04	147	0	0	99	0
					NOT CLR:	17	17	12	0	0	24.7	0.0	.984E+05	98	0	0	17	0
7/ 9/77	ACA	393	410	281	FLT TOT:	90	90	61	0	0	2.9	0.0	.155E+05	177	0	0	63	27
		42	47	35	IN CLR:	78	78	52	0	0	0.0	0.0	.119E+04	187	0	0	58	20
					NOT CLR:	12	12	9	0	0	22.1	0.0	.108E+06	120	0	0	5	7
7/18/77 *	ACA	365	390	285	FLT TOT:	49	49	31	0	0	1.4	0.0	.916E+04	58	0	0	49	0
		38	38	35	IN CLR:	43	43	27	0	0	0.0	0.0	.264E+03	60	0	0	43	0
					NOT CLR:	6	6	4	0	0	11.8	0.0	.729E+05	45	0	0	6	0
7/18/77	ACA	374	390	284	FLT TOT:	53	53	36	0	0	1.8	0.0	.741E+04	152	0	0	47	6
		45	51	35	IN CLR:	43	43	29	0	0	0.0	0.0	.246E+04	164	0	0	37	6
					NOT CLR:	10	10	7	0	0	9.6	0.0	.287E+05	103	0	0	10	0
8/17/77 *	ABA	373	390	203	FLT TOT:	113	113	74	0	0	6.0	1.3	.391E+05	138	0	0	81	32
		45	52	35	IN CLR:	85	85	58	0	0	0.0	0.0	.138E+05	165	0	0	53	32
					NOT CLR:	28	28	16	0	0	24.4	5.3	.116E+06	40	0	0	28	0
8/17/77	ABA	388	412	280	FLT TOT:	97	97	61	0	0	10.6	.8	.406E+05	133	0	0	68	29
		42	45	35	IN CLR:	71	71	45	0	0	0.0	0.0	.109E+03	166	0	0	42	29
					NOT CLR:	26	26	16	0	0	39.7	3.0	.151E+06	39	0	0	26	0
8/20/77 *	ABA	365	370	209	FLT TOT:	105	105	68	0	0	2.9	.2	.111E+05	224	0	0	50	55
		48	55	35	IN CLR:	99	99	66	0	0	0.0	0.0	.113E+03	229	0	0	45	54
					NOT CLR:	6	6	2	0	0	51.4	4.2	.193E+06	55	0	0	5	1
8/20/77	ABA	392	411	281	FLT TOT:	84	84	52	0	0	9.9	.8	.711E+05	91	0	0	83	1
		40	43	35	IN CLR:	66	66	42	0	0	0.0	0.0	.190E+03	104	0	0	65	1
					NOT CLR:	18	18	10	0	0	46.4	3.5	.331E+06	36	0	0	18	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-LAX (CONT.)																		
8/26/77	ABA	384	411	274	FLT TOT:	87	87	51	0	0	12.1	1.1	.328E+05	52	0	0	87	0
		42	47	35	IN CLR:	57	57	37	0	0	0.0	0.0	.802E+02	56	0	0	57	0
					NOT CLR:	30	30	14	0	0	35.2	3.3	.950E+05	40	0	0	30	0
8/26/77 *	ABA	379	411	236	FLT TOT:	116	116	74	0	0	1.9	.5	.630E+04	134	0	0	69	47
		46	55	35	IN CLR:	103	103	64	0	0	0.0	0.0	.138E+03	151	0	0	56	47
					NOT CLR:	13	13	10	0	0	16.7	4.3	.551E+05	20	0	0	13	0
8/29/77 *	ABA	384	410	206	FLT TOT:	108	108	70	0	0	.3	.2	.447E+03	173	0	0	58	50
		47	55	35	IN CLR:	102	102	65	0	0	0.0	0.0	.136E+03	182	0	0	52	50
					NOT CLR:	6	6	5	0	0	5.6	3.5	.571E+04	48	0	0	6	0
8/29/77	ABA	391	410	261	FLT TOT:	91	91	57	0	0	1.3	.3	.234E+04	115	0	0	83	8
		42	47	35	IN CLR:	86	86	53	0	0	0.0	0.0	.108E+03	119	0	0	78	8
					NOT CLR:	5	5	4	0	0	23.5	4.6	.407E+05	56	0	0	5	0
9/ 1/77 *	ABA	397	410	281	FLT TOT:	120	120	82	0	0	.9	.2	.939E+04	233	0	0	49	71
		47	54	35	IN CLR:	114	114	78	0	0	0.0	0.0	.131E+03	241	0	0	43	71
					NOT CLR:	6	6	4	0	0	18.6	3.3	.185E+06	69	0	0	6	0
9/ 1/77	ABA	396	430	206	FLT TOT:	103	103	69	0	0	1.6	.5	.371E+04	138	0	0	61	42
		43	47	34	IN CLR:	93	93	63	0	0	0.0	0.0	.990E+02	141	0	0	56	37
					NOT CLR:	10	10	6	0	0	16.5	5.0	.373E+05	102	0	0	5	5
9/ 7/77 *	ABA	384	430	280	FLT TOT:	115	115	74	0	0	1.2	.3	.336E+04	89	0	0	98	17
		40	43	35	IN CLR:	103	103	65	0	0	0.0	0.0	.237E+03	92	0	0	90	13
					NOT CLR:	12	12	9	0	0	11.7	3.3	.302E+05	69	0	0	8	4
9/ 7/77	ABA	390	411	240	FLT TOT:	102	102	61	0	0	3.7	.4	.996E+04	129	0	0	73	29
		46	54	35	IN CLR:	92	92	55	0	0	0.0	0.0	.120E+03	133	0	0	63	29
					NOT CLR:	10	10	6	0	0	37.8	3.7	.100E+06	87	0	0	10	0
9/11/77 *	ABA	382	390	254	FLT TOT:	109	109	73	0	0	1.7	.5	.360E+04	95	0	0	102	7
		41	45	35	IN CLR:	94	94	62	0	0	0.0	0.0	.494E+02	103	0	0	87	7
					NOT CLR:	15	15	11	0	0	12.2	3.7	.258E+05	48	0	0	15	0
9/11/77	ABA	388	410	278	FLT TOT:	107	107	72	0	0	4.2	.5	.935E+04	101	0	0	84	23
		45	50	35	IN CLR:	88	88	57	0	0	0.0	0.0	.636E+02	118	0	0	65	23
					NOT CLR:	19	19	15	0	0	23.4	3.1	.524E+05	39	0	0	19	0
9/14/77	ABA	398	430	250	FLT TOT:	99	99	67	0	0	4.4	1.1	.106E+05	133	0	0	71	28
		46	55	35	IN CLR:	74	74	51	0	0	0.0	0.0	.347E+02	154	0	0	46	28
					NOT CLR:	25	25	16	0	0	17.3	4.3	.418E+05	64	0	0	25	0
9/14/77 *	ABA	391	430	290	FLT TOT:	106	106	69	0	0	.0	.0	.255E+03	78	0	0	106	0
		39	42	35	IN CLR:	105	105	68	0	0	0.0	0.0	.403E+02	78	0	0	105	0
					NOT CLR:	1	1	1	0	0	2.4	4.0	.228E+05	62	0	0	1	0
9/17/77	ABA	410	410	410	FLT TOT:	6	6	2	0	0	0.0	0.0	0.	6	0	0	6	0
		37	38	36	IN CLR:	6	6	2	0	0	0.0	0.0	0.	6	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HND-LAX (CONT.)																			
9/21/77		ABA	386	410	369	FLT TOT:	62	62	33	0	0	3.9	.4	.180E+05	95	0	0	56	6
			47	49	42	IN CLR:	53	53	29	0	0	0.0	0.0	.359E+02	103	0	0	47	6
						NOT CLR:	9	9	4	0	0	26.6	2.7	.124E+06	38	0	0	9	0
9/24/77	*	ABA	374	410	318	FLT TOT:	109	0	63	0	0	.8	.2	0.	133	0	0	90	19
			42	45	35	IN CLR:	101	0	57	0	0	0.0	0.0	0.	141	0	0	82	19
						NOT CLR:	8	0	6	0	0	10.8	2.8	0.	58	0	0	8	0
9/24/77		ABA	397	429	276	FLT TOT:	102	0	66	0	0	.1	.2	0.	108	0	0	84	18
			44	50	35	IN CLR:	96	0	62	0	0	0.0	0.0	0.	108	0	0	79	17
						NOT CLR:	6	0	4	0	0	2.4	3.2	0.	105	0	0	5	1
10/ 4/77		ABB	400	410	304	FLT TOT:	95	0	61	0	0	7.0	.9	0.	139	0	0	50	45
			43	48	35	IN CLR:	80	0	52	0	0	0.0	0.0	0.	154	0	0	35	45
						NOT CLR:	15	0	9	0	0	44.5	5.7	0.	48	0	0	15	0
10/18/77		ABB	387	410	210	FLT TOT:	76	0	50	0	0	7.5	.4	0.	118	0	0	44	32
			43	47	35	IN CLR:	64	0	43	0	0	0.0	0.0	0.	132	0	0	32	32
						NOT CLR:	12	0	7	0	0	47.5	2.7	0.	35	0	0	12	0
10/18/77	*	ABB	390	450	285	FLT TOT:	122	0	82	0	0	0.0	0.0	0.	244	0	0	38	84
			47	54	35	IN CLR:	122	0	82	0	0	0.0	0.0	0.	244	0	0	38	84
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/19/77	*	ABB	394	430	287	FLT TOT:	119	0	80	0	0	.1	.1	0.	243	0	0	31	88
			48	55	35	IN CLR:	117	0	78	0	0	0.0	0.0	0.	247	0	0	30	87
						NOT CLR:	2	0	2	0	0	5.5	5.0	0.	101	0	0	1	1
10/19/77		ABB	381	390	268	FLT TOT:	82	0	52	0	0	8.7	1.0	0.	102	0	0	68	14
			42	45	35	IN CLR:	56	0	38	0	0	0.0	0.0	0.	118	0	0	42	14
						NOT CLR:	26	0	14	0	0	27.5	3.3	0.	57	0	0	26	0
11/ 1/77		ABB	390	409	329	FLT TOT:	97	97	64	0	0	.6	.2	.135E+04	115	0	0	48	49
			44	48	35	IN CLR:	92	92	59	0	0	0.0	0.0	.141E+03	120	0	0	43	49
						NOT CLR:	5	5	5	0	0	11.9	3.2	.235E+05	60	0	0	5	0
11/ 1/77	*	ABB	379	410	309	FLT TOT:	120	120	80	1	0	0.0	0.0	.157E+02	79	70	203	101	19
			39	43	35	IN CLR:	120	120	80	1	0	0.0	0.0	.157E+02	79	70	203	101	19
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
HND-SFO																			
1/22/76	*	BBA	343	370	205	FLT TOT:	72	0	72	0	0	1.1	.3	0.	338	0	0	15	57
			49	56	37	IN CLR:	67	0	67	0	0	0.0	0.0	0.	362	0	0	10	57
						NOT CLR:	5	0	5	0	0	15.8	3.8	0.	9	0	0	5	0
3/18/76	*	BBA	356	390	202	FLT TOT:	76	0	76	0	0	0.0	0.0	0.	524	0	0	4	72
			49	57	37	IN CLR:	76	0	76	0	0	0.0	0.0	0.	524	0	0	4	72
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HND-SFO (CONT.)																		
3/25/76	BBA	355	371	208	FLT TOT:	56	0	56	0	0	4.6	.6	0.	309	0	0	25	31
		41	44	35	IN CLR:	45	0	45	0	0	0.0	0.0	0.	332	0	0	17	28
					NOT CLR:	11	0	11	0	0	23.2	3.1	0.	213	0	0	8	3
4/21/76	BBA	363	391	203	FLT TOT:	47	0	47	0	0	5.7	.0	0.	258	0	0	30	17
		42	46	36	IN CLR:	44	0	44	0	0	0.0	0.0	0.	270	0	0	27	17
					NOT CLR:	3	0	3	0	0	88.9	.7	0.	80	0	0	3	0
5/ 2/78	ABB	392	410	285	FLT TOT:	93	93	0	46	23	3.4	.2	.966E+04	0	75	35	43	50
		43	45	35	IN CLR:	77	77	0	39	17	0.0	0.0	.110E+04	0	72	34	32	45
					NOT CLR:	16	16	0	7	6	19.6	1.1	.509E+05	0	92	43	11	5
5/ 5/78	ABB	372	391	282	FLT TOT:	94	94	0	51	23	7.4	.7	.282E+05	0	76	50	59	35
		43	47	36	IN CLR:	73	73	0	40	12	0.0	0.0	.540E+03	0	69	45	36	35
					NOT CLR:	21	21	0	11	11	33.2	3.2	.125E+06	0	100	71	21	0
5/17/78	ABB	391	412	259	FLT TOT:	97	96	64	49	8	0.0	0.0	.316E+01	257	60	21	54	43
		42	45	35	IN CLR:	97	96	64	49	8	0.0	0.0	.316E+01	257	60	21	54	43
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/20/78	ABB	389	412	186	FLT TOT:	95	95	64	49	11	0.0	0.0	.411E+01	290	56	22	35	60
		43	46	36	IN CLR:	95	95	64	49	11	0.0	0.0	.411E+01	290	56	22	35	60
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 5/76 *	BBA	326	330	243	FLT TOT:	110	0	68	0	0	0.0	0.0	0.	108	0	0	92	18
		50	58	37	IN CLR:	110	0	68	0	0	0.0	0.0	0.	108	0	0	92	18
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/ 7/77 *	BCB	357	391	267	FLT TOT:	112	112	0	0	0	14.9	0.0	.453E+05	0	0	0	112	0
		38	41	35	IN CLR:	63	63	0	0	0	0.0	0.0	.122E+02	0	0	0	63	0
					NOT CLR:	49	49	0	0	0	34.1	0.0	.104E+06	0	0	0	49	0
10/ 7/77	BCB	362	391	219	FLT TOT:	88	88	0	0	0	7.4	0.0	.175E+05	0	0	0	85	3
		45	50	36	IN CLR:	61	61	0	0	0	0.0	0.0	.983E+02	0	0	0	58	3
					NOT CLR:	27	27	0	0	0	24.2	0.0	.569E+05	0	0	0	27	0
10/13/77	BCB	358	371	200	FLT TOT:	84	84	0	0	0	6.9	0.0	.167E+05	0	0	0	80	4
		43	45	37	IN CLR:	67	67	0	0	0	0.0	0.0	.914E+01	0	0	0	63	4
					NOT CLR:	17	17	0	0	0	34.0	0.0	.823E+05	0	0	0	17	0
HND-YVR																		
10/ 6/77 *	BCB	356	391	272	FLT TOT:	104	104	0	0	0	5.6	0.0	.164E+05	0	0	0	104	0
		41	49	35	IN CLR:	86	86	0	0	0	0.0	0.0	.233E+03	0	0	0	86	0
					NOT CLR:	18	18	0	0	0	32.2	0.0	.936E+05	0	0	0	18	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC PATCHES		PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-LAS																			
5/12/76		CAA	335	370	208	FLT TOT:	53	0	35	0	0	.3	.1	0.	76	0	0	53	0
			29	35	21	IN CLR:	51	0	33	0	0	0.0	0.0	0.	78	0	0	51	0
						NOT CLR:	2	0	2	0	0	7.1	1.5	0.	49	0	0	2	0
HNL-LAX																			
1/27/76	*	CAA	341	351	186	FLT TOT:	34	0	34	34	0	0.0	0.0	0.	52	33	54	34	0
			28	34	21	IN CLR:	34	0	34	34	0	0.0	0.0	0.	52	33	54	34	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/27/76		CAA	324	330	203	FLT TOT:	34	0	34	34	4	.6	.2	0.	36	46	75	34	0
			28	34	21	IN CLR:	30	0	30	30	0	0.0	0.0	0.	37	39	73	30	0
						NOT CLR:	4	0	4	4	4	5.4	1.5	0.	35	100	85	4	0
2/ 2/76	*	CAA	381	390	223	FLT TOT:	41	0	41	36	8	.3	.0	0.	104	45	34	30	11
			28	34	21	IN CLR:	40	0	40	36	8	0.0	0.0	0.	106	45	34	29	11
						NOT CLR:	1	0	1	0	0	12.9	1.0	0.	20	0	0	1	0
2/ 3/76		CAA	360	371	209	FLT TOT:	37	0	37	31	1	0.0	0.0	0.	92	19	21	29	8
			29	33	21	IN CLR:	37	0	37	31	1	0.0	0.0	0.	92	19	21	29	8
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 5/76		CAA	361	371	209	FLT TOT:	35	0	35	29	16	10.3	1.3	0.	128	73	55	26	9
			28	34	21	IN CLR:	20	0	20	16	3	0.0	0.0	0.	198	51	48	11	9
						NOT CLR:	15	0	15	13	13	23.9	3.1	0.	35	100	63	15	0
2/ 5/76	*	CAA	341	350	199	FLT TOT:	39	0	39	35	25	13.7	.6	0.	74	86	62	37	2
			28	34	20	IN CLR:	27	0	27	24	14	0.0	0.0	0.	81	80	44	25	2
						NOT CLR:	12	0	12	11	11	44.6	1.9	0.	58	100	101	12	0
2/ 6/76	*	CAA	339	350	221	FLT TOT:	33	0	33	28	8	5.7	.3	0.	149	59	71	24	9
			28	34	21	IN CLR:	28	0	28	25	5	0.0	0.0	0.	171	54	67	19	9
						NOT CLR:	5	0	5	3	3	37.6	2.2	0.	27	100	107	5	0
2/ 6/76	*	BBA	345	353	213	FLT TOT:	23	0	23	0	0	19.8	1.6	0.	67	0	0	20	3
			27	34	21	IN CLR:	14	0	14	0	0	0.0	0.0	0.	99	0	0	11	3
						NOT CLR:	9	0	9	0	0	50.5	4.0	0.	18	0	0	9	0
2/ 7/76		BBA	302	330	195	FLT TOT:	10	0	10	0	0	18.1	.5	0.	24	0	0	10	0
			28	34	22	IN CLR:	6	0	6	0	0	0.0	0.0	0.	34	0	0	6	0
						NOT CLR:	4	0	4	0	0	45.2	1.3	0.	9	0	0	4	0
2/ 8/76	*	BBA	351	351	351	FLT TOT:	23	0	23	0	0	13.8	1.0	0.	17	0	0	23	0
			26	31	21	IN CLR:	15	0	15	0	0	0.0	0.0	0.	19	0	0	15	0
						NOT CLR:	8	0	8	0	0	39.7	3.0	0.	14	0	0	8	0
2/ 9/76		BBA	326	331	211	FLT TOT:	30	0	30	0	0	2.8	.2	0.	54	0	0	30	0
			29	34	21	IN CLR:	28	0	28	0	0	0.0	0.0	0.	57	0	0	28	0
						NOT CLR:	2	0	2	0	0	42.7	3.0	0.	18	0	0	2	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
2/10/76 *	BBA	345	351	212	FLT TOT:	34	0	34	0	0	.4	.2	0.	73	0	0	30	4
		28	34	21	IN CLR:	32	0	32	0	0	0.0	0.0	0.	76	0	0	28	4
					NOT CLR:	2	0	2	0	0	6.3	3.0	0.	23	0	0	2	0
2/11/76	CAA	322	330	202	FLT TOT:	29	0	29	0	0	0.0	0.0	0.	50	0	0	29	0
		28	34	21	IN CLR:	29	0	29	0	0	0.0	0.0	0.	50	0	0	29	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/26/76 *	CAA	380	390	215	FLT TOT:	40	0	40	39	39	20.0	1.4	0.	49	100	40	40	0
		29	34	21	IN CLR:	15	0	15	14	14	0.0	0.0	0.	59	100	26	15	0
					NOT CLR:	25	0	25	25	25	32.0	2.2	0.	44	100	48	25	0
2/27/76	CAA	363	370	238	FLT TOT:	26	0	26	26	26	29.6	2.1	0.	44	100	77	26	0
		29	34	22	IN CLR:	7	0	7	7	7	0.0	0.0	0.	46	100	33	7	0
					NOT CLR:	19	0	19	19	19	40.6	2.8	0.	43	100	94	19	0
2/29/76 *	CAA	342	350	211	FLT TOT:	40	0	40	39	27	25.3	1.5	0.	42	77	74	40	0
		28	34	21	IN CLR:	19	0	19	18	6	0.0	0.0	0.	51	51	82	19	0
					NOT CLR:	21	0	21	21	21	48.2	2.8	0.	34	100	67	21	0
2/ 8/79	CAB	339	341	289	FLT TOT:	46	46	30	23	1	15.8	1.4	.344E+05	49	71	67	46	0
		29	34	22	IN CLR:	24	24	15	11	0	0.0	0.0	.265E+03	52	62	56	24	0
					NOT CLR:	22	22	15	12	1	33.1	2.9	.716E+05	45	80	77	22	0
2/10/79	CAB	337	342	278	FLT TOT:	43	43	26	22	12	36.1	2.6	.111E+06	46	91	120	43	0
		29	34	22	IN CLR:	7	7	4	2	0	0.0	0.0	.165E+04	54	83	111	7	0
					NOT CLR:	36	36	22	20	12	43.1	3.1	.132E+06	45	92	121	36	0
2/11/79 *	BBB	378	401	264	FLT TOT:	55	0	35	27	1	14.0	1.5	0.	49	41	28	55	0
		28	34	22	IN CLR:	33	0	22	17	0	0.0	0.0	0.	53	24	18	33	0
					NOT CLR:	22	0	13	10	1	35.0	3.9	0.	43	70	44	22	0
2/12/79 *	CAB	348	352	240	FLT TOT:	61	61	39	29	0	.1	.0	.297E+03	87	39	106	61	0
		27	34	21	IN CLR:	60	60	38	29	0	0.0	0.0	.133E+03	88	39	106	60	0
					NOT CLR:	1	1	1	0	0	4.7	1.0	.101E+05	37	0	0	1	0
2/14/79 *	CAB	353	361	218	FLT TOT:	55	55	37	33	0	2.2	.3	.223E+04	171	43	86	38	17
		28	34	22	IN CLR:	50	50	34	31	0	0.0	0.0	.565E+02	180	43	74	33	17
					NOT CLR:	5	5	3	2	0	24.2	3.6	.240E+05	77	49	276	5	0
2/14/79	CAB	368	381	217	FLT TOT:	42	42	27	22	1	0.0	0.0	.809E+02	154	59	93	22	20
		29	34	22	IN CLR:	42	42	27	22	1	0.0	0.0	.809E+02	154	59	93	22	20
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/17/79 *	CAB	346	350	200	FLT TOT:	61	61	38	35	11	31.7	.6	.603E+05	56	85	90	61	0
		27	34	21	IN CLR:	33	33	21	18	1	0.0	0.0	.396E+03	89	77	41	33	0
					NOT CLR:	28	28	17	17	10	69.1	1.3	.131E+06	16	92	143	28	0
2/27/79 *	CAB	363	371	296	FLT TOT:	53	53	33	25	14	4.8	.4	.673E+04	89	80	40	53	0
		28	34	21	IN CLR:	44	44	27	20	9	0.0	0.0	.334E+03	95	76	42	44	0
					NOT CLR:	9	9	6	5	5	28.4	2.2	.380E+05	65	100	33	9	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
3/ 6/76	CAA	358	370	209	FLT TOT:	30	0	30	30	25	7.4	1.5	0.	82	97	73	30	0
		29	34	21	IN CLR:	21	0	21	21	16	0.0	0.0	0.	108	95	84	21	0
					NOT CLR:	9	0	9	9	9	24.6	4.9	0.	21	100	49	9	0
3/ 6/79	CAB	355	360	285	FLT TOT:	36	36	23	17	8	.8	.2	.376E+04	89	79	146	36	0
		29	34	21	IN CLR:	34	34	21	15	7	0.0	0.0	.157E+03	92	81	157	34	0
					NOT CLR:	2	2	2	2	1	15.3	3.0	.651E+05	56	66	64	2	0
3/ 7/79 *	CAB	346	351	206	FLT TOT:	43	43	29	23	22	.1	.1	.244E+03	78	98	273	43	0
		28	34	21	IN CLR:	41	41	27	22	21	0.0	0.0	.248E+03	80	97	282	41	0
					NOT CLR:	2	2	2	1	1	2.7	2.5	.154E+03	52	100	69	2	0
3/12/79 *	CAB	367	371	266	FLT TOT:	52	52	31	29	19	6.9	.7	.166E+05	163	92	53	33	19
		28	34	21	IN CLR:	36	36	19	17	8	0.0	0.0	.358E+04	223	86	57	19	17
					NOT CLR:	16	16	12	12	11	22.4	2.3	.459E+05	68	99	47	14	2
3/12/79	CAB	353	361	193	FLT TOT:	41	41	26	24	0	1.5	.4	.237E+04	168	52	45	23	18
		28	34	21	IN CLR:	36	36	23	21	0	0.0	0.0	.173E+04	184	54	38	18	18
					NOT CLR:	5	5	3	3	0	12.0	3.2	.697E+04	47	37	97	5	0
3/13/79 *	CAB	347	371	243	FLT TOT:	16	15	10	8	5	.5	.4	.633E+04	124	95	35	10	6
		31	33	21	IN CLR:	14	13	10	8	5	0.0	0.0	.636E+04	124	95	35	9	5
					NOT CLR:	2	2	0	0	0	4.1	3.0	.610E+04	0	0	0	1	1
3/15/79	CAB	355	387	252	FLT TOT:	42	42	27	21	5	20.0	.8	.303E+05	90	81	52	0	0
		27	34	21	IN CLR:	26	26	17	14	0	0.0	0.0	.720E+03	113	74	27	0	0
					NOT CLR:	16	16	10	7	5	52.5	2.0	.785E+05	50	94	100	0	0
3/16/79	CAB	349	382	208	FLT TOT:	14	9	9	10	0	1.3	.1	.513E+05	168	69	106	11	3
		27	34	21	IN CLR:	13	8	9	10	0	0.0	0.0	.410E+05	168	69	108	10	3
					NOT CLR:	1	1	0	0	0	18.0	2.0	.134E+06	0	0	0	1	0
3/16/79 *	CAB	343	370	295	FLT TOT:	7	7	2	1	1	9.0	1.0	.356E+04	167	100	39	2	5
		33	34	32	IN CLR:	4	4	1	1	1	0.0	0.0	.264E+04	213	100	39	2	2
					NOT CLR:	3	3	1	0	0	20.9	2.3	.477E+04	120	0	0	0	3
3/19/79	CAB	351	381	214	FLT TOT:	17	13	12	11	0	0.0	0.0	.363E+03	94	48	74	14	3
		25	34	21	IN CLR:	17	13	12	11	0	0.0	0.0	.363E+03	94	48	74	14	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/21/79	CAB	364	380	231	FLT TOT:	43	43	26	24	0	0.0	0.0	.142E+03	182	35	35	35	8
		28	34	21	IN CLR:	43	43	28	24	0	0.0	0.0	.142E+03	182	35	35	35	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/21/79 *	CAB	361	370	196	FLT TOT:	55	55	36	31	1	0.0	0.0	.248E+03	191	39	41	46	9
		28	34	21	IN CLR:	55	55	36	31	1	0.0	0.0	.248E+03	191	39	41	46	9
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/24/79 *	CAB	347	350	217	FLT TOT:	55	55	35	29	16	0.0	0.0	.678E+03	159	94	67	35	20
		28	34	21	IN CLR:	55	55	35	29	16	0.0	0.0	.678E+03	159	94	67	35	20
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
3/25/79 *	CAB	347	351	218	FLT TOT:	59	59	39	33	8	5.3	1.2	.148E+05	76	83	60	59	0
		28	34	21	IN CLR:	38	38	26	21	4	0.0	0.0	.443E+03	84	84	62	38	0
					NOT CLR:	21	21	13	12	4	14.8	3.4	.408E+05	61	82	58	21	0
3/27/79 *	CAB	348	351	242	FLT TOT:	60	60	36	31	2	1.3	.2	.293E+04	139	75	84	37	23
		28	34	21	IN CLR:	57	57	34	28	1	0.0	0.0	.800E+03	142	73	88	34	23
					NOT CLR:	3	3	2	3	1	26.0	3.0	.434E+05	89	94	47	3	0
3/27/79	CAB	356	360	292	FLT TOT:	44	44	28	21	4	1.4	.1	.290E+04	166	73	39	29	15
		28	34	21	IN CLR:	41	41	25	19	2	0.0	0.0	.106E+04	180	71	38	26	15
					NOT CLR:	3	3	3	2	2	20.3	1.7	.261E+05	47	100	53	3	0
3/28/79 *	CAB	344	392	234	FLT TOT:	17	15	11	10	1	0.0	0.0	.838E+03	235	55	43	4	13
		31	34	21	IN CLR:	17	15	11	10	1	0.0	0.0	.838E+03	235	55	43	4	13
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/29/79 *	CAB	357	371	291	FLT TOT:	56	56	36	6	6	15.2	.9	.479E+05	108	100	125	56	0
		28	34	21	IN CLR:	32	32	20	4	4	0.0	0.0	.103E+04	145	100	145	32	0
					NOT CLR:	24	24	16	2	2	35.5	2.1	.110E+06	62	100	84	24	0
4/ 3/76	CAA	363	370	213	FLT TOT:	28	0	28	25	20	.1	.1	0.	139	93	33	26	0
		27	33	21	IN CLR:	27	0	27	24	19	0.0	0.0	0.	141	93	33	27	0
					NOT CLR:	1	0	1	1	1	2.7	2.0	0.	88	100	24	1	0
4/ 4/76	BBA	387	392	316	FLT TOT:	27	0	27	0	0	.0	.1	0.	202	0	0	22	5
		26	32	20	IN CLR:	25	0	25	0	0	0.0	0.0	0.	197	0	0	20	5
					NOT CLR:	2	0	2	0	0	.4	1.0	0.	266	0	0	2	0
4/ 5/76 *	BBA	388	392	333	FLT TOT:	36	0	36	0	0	.0	.1	0.	190	0	0	32	4
		28	34	21	IN CLR:	34	0	34	0	0	0.0	0.0	0.	191	0	0	30	4
					NOT CLR:	2	0	2	0	0	.4	1.0	0.	165	0	0	2	0
4/ 8/76	CAA	359	370	211	FLT TOT:	29	0	29	28	27	2.2	.4	0.	79	100	70	29	0
		29	34	22	IN CLR:	24	0	24	23	22	0.0	0.0	0.	89	100	55	24	0
					NOT CLR:	5	0	5	5	5	12.8	2.6	0.	32	100	136	5	0
4/ 9/76 *	CAA	307	310	205	FLT TOT:	34	0	34	33	29	11.7	1.3	0.	66	95	235	34	0
		28	34	21	IN CLR:	19	0	19	19	15	0.0	0.0	0.	76	92	174	19	0
					NOT CLR:	15	0	15	14	14	26.5	3.0	0.	55	100	318	15	0
4/17/76	CAA	359	370	205	FLT TOT:	29	0	29	0	0	11.9	.1	0.	81	0	0	29	0
		29	34	21	IN CLR:	23	0	23	0	0	0.0	0.0	0.	78	0	0	23	0
					NOT CLR:	6	0	6	0	0	57.5	.7	0.	93	0	0	6	0
4/18/76 *	CAA	343	350	213	FLT TOT:	34	0	34	0	0	7.6	.9	0.	84	0	0	34	0
		28	34	21	IN CLR:	23	0	23	0	0	0.0	0.0	0.	85	0	0	23	0
					NOT CLR:	11	0	11	0	0	23.5	2.9	0.	83	0	0	11	0
5/10/76	CAA	368	407	190	FLT TOT:	52	0	16	0	0	1.3	.4	0.	74	0	0	52	0
		30	35	22	IN CLR:	46	0	16	0	0	0.0	0.0	0.	74	0	0	46	0
					NOT CLR:	6	0	0	0	0	11.2	3.2	0.	0	0	0	6	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
5/11/76 *	CAA	349	350	279	FLT TOT:	46	0	7	0	0	7.2	.8	0.	67	0	0	46	0
		28	33	21	IN CLR:	38	0	7	0	0	0.0	0.0	0.	67	0	0	38	0
					NOT CLR:	8	0	0	0	0	41.5	4.9	0.	0	0	0	8	0
5/16/76 *	CAA	372	390	209	FLT TOT:	55	0	14	46	11	0.0	0.0	0.	108	75	44	55	0
		28	34	21	IN CLR:	55	0	14	46	11	0.0	0.0	0.	108	75	44	55	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/28/76	CAA	376	380	248	FLT TOT:	38	0	24	0	0	0.0	0.0	0.	92	0	0	38	0
		30	34	24	IN CLR:	38	0	24	0	0	0.0	0.0	0.	92	0	0	38	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/29/76 *	CAA	355	360	213	FLT TOT:	48	0	31	0	0	.0	.0	0.	71	0	0	48	0
		29	34	22	IN CLR:	47	0	31	0	0	0.0	0.0	0.	71	0	0	47	0
					NOT CLR:	1	0	0	0	0	.8	1.0	0.	0	0	0	1	0
5/18/79	BDB	357	381	280	FLT TOT:	51	51	32	27	2	2.9	.9	.108E+06	66	49	46	51	0
		28	34	21	IN CLR:	42	42	26	21	0	0.0	0.0	.102E+04	65	42	37	42	0
					NOT CLR:	9	9	6	6	2	16.7	4.9	.605E+06	72	73	74	9	0
5/26/79 *	BDB	358	370	296	FLT TOT:	51	51	31	26	2	3.4	.6	.356E+05	61	52	68	51	0
		28	34	21	IN CLR:	42	42	27	21	0	0.0	0.0	.104E+04	59	46	61	42	0
					NOT CLR:	9	9	4	5	2	19.5	3.4	.197E+06	73	79	97	9	0
6/15/78 *	CAB	357	360	291	FLT TOT:	58	58	38	33	5	4.8	.5	.781E+04	52	64	65	58	0
		28	34	21	IN CLR:	43	43	30	26	4	0.0	0.0	.366E+04	62	62	57	43	0
					NOT CLR:	15	15	8	7	1	18.4	1.8	.197E+05	62	70	97	15	0
6/22/78 *	CAB	355	360	296	FLT TOT:	56	56	36	31	5	3.9	.6	.905E+04	84	68	60	56	0
		28	34	21	IN CLR:	48	48	31	29	3	0.0	0.0	.560E+03	84	66	59	48	0
					NOT CLR:	8	8	5	2	2	27.1	4.5	.600E+05	33	100	69	8	0
6/22/78 *	CAB	355	361	198	FLT TOT:	56	56	37	32	0	.1	.0	.198E+03	100	50	44	56	0
		28	34	21	IN CLR:	55	55	37	31	0	0.0	0.0	.195E+03	100	49	44	55	0
					NOT CLR:	1	1	0	1	0	3.9	2.0	.389E+03	0	80	41	1	0
6/22/78	CAB	364	371	284	FLT TOT:	45	45	29	25	0	0.0	0.0	.669E+02	96	61	47	45	0
		28	34	21	IN CLR:	45	45	29	25	0	0.0	0.0	.669E+02	96	61	47	45	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/24/78 *	CAB	356	361	233	FLT TOT:	59	59	39	34	0	0.0	0.0	.413E+02	73	42	57	59	0
		28	34	21	IN CLR:	59	59	39	34	0	0.0	0.0	.413E+02	73	42	57	59	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/28/78 *	CAB	357	360	288	FLT TOT:	56	56	36	31	4	1.5	.4	.146E+04	73	54	61	56	0
		28	34	21	IN CLR:	50	50	33	27	0	0.0	0.0	.318E+03	78	47	49	50	0
					NOT CLR:	6	6	3	4	4	14.2	3.8	.110E+05	22	100	141	6	0
6/30/78 *	CAB	355	360	197	FLT TOT:	58	58	37	33	3	1.0	.5	.238E+04	45	46	63	58	0
		28	34	21	IN CLR:	52	52	32	27	0	0.0	0.0	.240E+03	47	37	55	52	0
					NOT CLR:	6	6	5	6	3	9.9	4.5	.209E+05	29	85	98	6	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
6/30/78	CAB	338	341	281	FLT TOT:	42	42	25	19	0	4.2	.6	.111E+05	38	27	53	42	0
		26	34	22	IN CLR:	37	37	21	19	0	0.0	0.0	.224E+03	40	27	53	37	0
					NOT CLR:	5	5	4	0	0	35.0	5.4	.916E+05	30	0	0	5	0
6/ 1/79 *	BDB	327	331	208	FLT TOT:	51	51	32	30	8	.1	.1	.484E+04	70	65	151	51	0
		28	34	21	IN CLR:	47	47	31	27	6	0.0	0.0	.248E+04	71	64	126	47	0
					NOT CLR:	4	4	1	3	2	1.4	1.3	.326E+05	37	75	375	4	0
6/ 2/79	BDB	358	380	224	FLT TOT:	49	49	31	20	0	.1	.0	.134E+04	119	43	41	49	0
		28	34	21	IN CLR:	48	48	30	19	0	0.0	0.0	.136E+04	121	42	40	48	0
					NOT CLR:	1	1	1	1	0	4.7	1.0	.665E+02	63	71	52	1	0
6/ 3/79 *	BDB	372	391	218	FLT TOT:	53	53	34	20	1	0.0	0.0	.645E+04	141	42	34	53	0
		28	34	21	IN CLR:	53	53	34	20	1	0.0	0.0	.645E+04	141	42	34	53	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 3/79 *	CAB	363	370	231	FLT TOT:	42	42	0	21	0	30.0	.0	.301E+05	0	32	40	42	0
		28	34	22	IN CLR:	24	24	0	9	0	0.0	0.0	.305E+04	0	34	23	24	0
					NOT CLR:	18	18	0	12	0	70.1	.1	.661E+05	0	30	54	18	0
6/ 4/79	CAB	376	381	295	FLT TOT:	48	48	0	25	2	2.4	.3	.748E+04	0	34	29	48	0
		28	33	21	IN CLR:	41	41	0	20	0	0.0	0.0	.311E+04	0	29	16	41	0
					NOT CLR:	7	7	0	5	2	16.2	2.3	.331E+05	0	54	84	7	0
6/ 7/79 *	CAB	347	351	265	FLT TOT:	53	53	0	28	0	3.4	.2	.119E+05	0	39	42	53	0
		28	34	21	IN CLR:	45	45	0	24	0	0.0	0.0	.366E+04	0	38	42	45	0
					NOT CLR:	8	8	0	4	0	22.6	1.4	.585E+05	0	44	41	8	0
7/ 2/78 *	CAB	348	351	293	FLT TOT:	55	55	35	28	1	1.1	.5	.758E+03	33	44	72	55	0
		27	33	21	IN CLR:	50	50	32	26	0	0.0	0.0	.423E+02	34	40	66	50	0
					NOT CLR:	5	5	3	2	1	12.2	6.0	.792E+04	19	92	149	5	0
7/ 4/78 *	CAB	348	351	279	FLT TOT:	53	53	33	29	13	.5	.3	.337E+03	26	86	171	53	0
		27	33	21	IN CLR:	47	47	29	27	12	0.0	0.0	.280E+02	27	87	170	47	0
					NOT CLR:	6	6	4	2	1	4.8	2.8	.276E+04	24	85	194	6	0
7/ 5/78	CAB	365	370	254	FLT TOT:	47	47	31	26	3	0.0	0.0	.207E+02	36	35	59	47	0
		28	34	21	IN CLR:	47	47	31	26	3	0.0	0.0	.207E+02	36	35	59	47	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 7/78	CAB	365	371	239	FLT TOT:	48	48	32	27	0	0.0	0.0	.783E+02	61	18	30	46	0
		28	34	21	IN CLR:	48	48	32	27	0	0.0	0.0	.783E+02	61	18	30	48	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/10/78 *	CAB	358	360	311	FLT TOT:	52	52	32	30	0	0.0	0.0	.282E+02	39	19	28	52	0
		28	34	21	IN CLR:	52	52	32	30	0	0.0	0.0	.282E+02	39	19	28	52	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/10/78	CAB	337	341	262	FLT TOT:	48	48	32	24	0	0.0	0.0	.877E+02	34	18	54	48	0
		29	34	22	IN CLR:	48	48	32	24	0	0.0	0.0	.877E+02	34	18	54	48	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
7/17/78	CAB	338	341	282	FLT TOT:	46	46	30	24	1	0.0	0.0	.384E+02	52	34	76	46	0
		29	34	22	IN CLR:	46	46	30	24	1	0.0	0.0	.384E+02	52	34	76	46	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/19/78 *	CAB	354	361	205	FLT TOT:	52	52	34	31	0	0.0	0.0	.109E+02	49	10	42	52	0
		28	34	21	IN CLR:	52	52	34	31	0	0.0	0.0	.109E+02	49	10	42	52	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/19/78	CAB	365	381	277	FLT TOT:	46	46	29	23	0	0.0	0.0	.550E+01	55	16	34	46	0
		29	34	22	IN CLR:	46	46	29	23	0	0.0	0.0	.550E+01	55	16	34	46	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/19/78 *	CAB	354	361	191	FLT TOT:	52	52	34	29	1	0.0	0.0	.278E+02	50	26	70	52	0
		28	34	21	IN CLR:	52	52	34	29	1	0.0	0.0	.278E+02	50	26	70	52	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/21/78 *	CAB	357	361	291	FLT TOT:	51	51	33	30	0	.6	.0	.754E+01	47	25	53	51	0
		28	34	21	IN CLR:	50	50	33	29	0	0.0	0.0	.769E+01	47	23	39	50	0
					NOT CLR:	1	1	0	1	0	31.4	2.0	0.	0	74	475	1	0
7/23/78	CAB	367	371	252	FLT TOT:	37	37	24	20	0	0.0	0.0	.258E+02	56	21	28	37	0
		29	34	25	IN CLR:	37	37	24	20	0	0.0	0.0	.258E+02	56	21	28	37	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/23/78	BBB	372	381	210	FLT TOT:	49	49	31	0	0	0.0	0.0	.130E+01	39	0	0	49	0
		29	34	22	IN CLR:	49	49	31	0	0	0.0	0.0	.130E+01	39	0	0	49	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/ 4/78 *	BBB	355	360	251	FLT TOT:	51	51	32	26	6	15.4	1.3	.960E+05	32	67	94	51	0
		28	34	21	IN CLR:	29	29	18	13	1	0.0	0.0	.938E+05	46	48	76	29	0
					NOT CLR:	22	22	14	13	5	35.7	3.0	.989E+05	14	86	112	22	0
11/ 7/78	BBB	344	380	228	FLT TOT:	45	45	31	11	5	26.3	1.4	.831E+05	40	85	70	45	0
		29	34	22	IN CLR:	18	18	12	2	0	0.0	0.0	.350E+03	53	37	71	18	0
					NOT CLR:	27	27	19	9	5	43.9	2.3	.138E+06	32	95	70	27	0
11/12/78 *	BBB	355	360	245	FLT TOT:	50	50	32	29	0	0.0	0.0	.389E+01	83	18	25	50	0
		29	34	22	IN CLR:	50	50	32	29	0	0.0	0.0	.389E+01	83	18	25	50	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/12/78	BBB	375	380	270	FLT TOT:	50	50	33	30	0	0.0	0.0	.394E+01	58	21	27	46	4
		28	34	22	IN CLR:	50	50	33	30	0	0.0	0.0	.394E+01	58	21	27	46	4
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/13/78 *	BBB	332	360	239	FLT TOT:	48	48	33	27	0	0.0	0.0	.164E+02	72	14	31	48	0
		28	34	21	IN CLR:	48	48	33	27	0	0.0	0.0	.164E+02	72	14	31	48	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/14/78	BBB	337	340	265	FLT TOT:	45	45	29	20	0	0.0	0.0	.427E+01	73	15	33	45	0
		29	34	22	IN CLR:	45	45	29	20	0	0.0	0.0	.427E+01	73	15	33	45	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HNL-LAX (CONT.)																		
12/31/75	CAA	363	370	213	FLT TOT:	28	0	28	0	0	7.2	.7	0.	47	0	0	0	0
		29	34	22	IN CLR:	21	0	21	0	0	0.0	0.0	0.	52	0	0	0	0
					NOT CLR:	7	0	7	0	0	28.8	2.7	0.	33	0	0	0	0
12/14/77	BCB	372	380	254	FLT TOT:	45	45	30	0	0	.5	0.0	.101E+02	36	0	0	45	0
		28	34	21	IN CLR:	44	44	29	0	0	0.0	0.0	.962E+01	35	0	0	44	0
					NOT CLR:	1	1	1	0	0	23.5	0.0	.306E+02	65	0	0	1	0
12/15/77 *	BCB	345	350	255	FLT TOT:	54	54	34	0	0	0.0	0.0	.235E+01	35	0	0	54	0
		25	32	20	IN CLR:	54	54	34	0	0	0.0	0.0	.235E+01	35	0	0	54	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/16/77	BCB	335	341	249	FLT TOT:	37	37	20	0	0	0.0	0.0	.302E+02	53	0	0	37	0
		29	34	22	IN CLR:	37	37	20	0	0	0.0	0.0	.302E+02	53	0	0	37	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/17/77 *	BCB	347	351	262	FLT TOT:	59	59	36	0	0	0.0	0.0	.428E+01	54	0	0	59	0
		28	33	21	IN CLR:	59	59	36	0	0	0.0	0.0	.428E+01	54	0	0	59	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
HNL-NAN																		
1/ 5/77 *	DDA	344	370	251	FLT TOT:	61	0	0	0	0	5.8	1.0	0.	0	0	0	61	0
		2	20	-15	IN CLR:	45	0	0	0	0	0.0	0.0	0.	0	0	0	45	0
					NOT CLR:	16	0	0	0	0	22.2	3.8	0.	0	0	0	16	0
1/ 6/77	DDA	292	310	253	FLT TOT:	56	0	0	0	0	.8	.1	0.	0	0	0	56	0
		1	19	-16	IN CLR:	54	0	0	0	0	0.0	0.0	0.	0	0	0	54	0
					NOT CLR:	2	0	0	0	0	22.5	4.0	0.	0	0	0	2	0
2/11/77 *	DDA	357	371	254	FLT TOT:	59	59	36	0	0	4.9	.5	.336E+05	32	0	0	59	0
		1	19	-15	IN CLR:	50	50	30	0	0	0.0	0.0	.182E+02	35	0	0	50	0
					NOT CLR:	9	9	6	0	0	32.4	3.4	.220E+06	18	0	0	9	0
2/12/77	DDA	336	350	220	FLT TOT:	59	59	37	0	0	1.8	.2	.984E+04	27	0	0	59	0
		1	19	-16	IN CLR:	55	55	35	0	0	0.0	0.0	.977E+01	27	0	0	55	0
					NOT CLR:	4	4	2	0	0	27.1	3.3	.145E+06	14	0	0	4	0
2/19/77 *	DDA	364	371	256	FLT TOT:	61	61	38	0	0	1.7	.3	.545E+04	24	0	0	0	0
		2	20	-15	IN CLR:	57	57	35	0	0	0.0	0.0	.286E+01	24	0	0	0	0
					NOT CLR:	4	4	3	0	0	26.0	4.0	.830E+05	25	0	0	0	0
2/20/77	DDA	345	350	248	FLT TOT:	60	60	38	0	0	.8	.2	.360E+04	22	0	0	0	0
		1	19	-16	IN CLR:	54	54	34	0	0	0.0	0.0	.831E+01	23	0	0	0	0
					NOT CLR:	6	6	4	0	0	7.8	1.5	.360E+05	16	0	0	0	0
6/ 1/79	BDB	344	370	203	FLT TOT:	63	63	41	19	0	5.4	1.0	.115E+06	41	56	129	63	0
		1	19	-16	IN CLR:	51	51	34	16	0	0.0	0.0	.146E+04	43	52	122	51	0
					NOT CLR:	12	12	7	3	0	28.5	5.4	.595E+06	31	77	167	12	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-NAN (CONT.)																		
6/ 2/79 *	BDB	354	370	263	FLT TOT:	59	59	39	30	4	3.2	.6	.713E+05	50	55	121	59	0
		2	20	-14	IN CLR:	43	43	26	21	0	0.0	0.0	.289E+04	55	41	100	43	0
					NOT CLR:	16	16	13	9	4	11.6	2.1	.255E+06	39	89	169	16	0
11/19/76	DDA	335	350	207	FLT TOT:	64	0	0	0	0	0.0	0.0	0.	0	0	0	64	0
		1	19	-16	IN CLR:	64	0	0	0	0	0.0	0.0	0.	0	0	0	64	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/26/76 *	DDA	343	370	246	FLT TOT:	59	0	0	0	0	10.9	1.4	0.	0	0	0	59	0
		2	20	-15	IN CLR:	42	0	0	0	0	0.0	0.0	0.	0	0	0	42	0
					NOT CLR:	17	0	0	0	0	37.8	4.8	0.	0	0	0	17	0
11/27/76	DDA	330	350	258	FLT TOT:	61	0	0	0	0	4.8	.5	0.	0	0	0	61	0
		1	19	-16	IN CLR:	51	0	0	0	0	0.0	0.0	0.	0	0	0	51	0
					NOT CLR:	10	0	0	0	0	29.5	3.2	0.	0	0	0	10	0
11/14/78 *	BBB	353	370	246	FLT TOT:	59	59	39	31	0	.5	.1	.989E+01	32	46	83	59	0
		2	20	-15	IN CLR:	55	55	36	28	0	0.0	0.0	.106E+02	33	44	79	55	0
					NOT CLR:	4	4	3	3	0	7.7	1.5	0.	21	71	120	4	0
12/ 2/76 *	DDA	344	370	255	FLT TOT:	62	0	0	0	0	9.5	1.0	0.	0	0	0	62	0
		2	20	-15	IN CLR:	43	0	0	0	0	0.0	0.0	0.	0	0	0	43	0
					NOT CLR:	19	0	0	0	0	31.1	3.3	0.	0	0	0	19	0
12/ 3/76	DDA	295	310	257	FLT TOT:	63	0	0	0	0	5.3	.6	0.	0	0	0	63	0
		1	19	-16	IN CLR:	50	0	0	0	0	0.0	0.0	0.	0	0	0	50	0
					NOT CLR:	13	0	0	0	0	25.8	2.8	0.	0	0	0	13	0
12/13/76 *	DDA	302	330	223	FLT TOT:	63	0	0	0	0	4.8	1.0	0.	0	0	0	0	0
		2	20	-15	IN CLR:	50	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	13	0	0	0	0	23.4	5.0	0.	0	0	0	0	0
12/14/76	DDA	337	350	249	FLT TOT:	59	0	0	0	0	31.5	1.9	0.	0	0	0	0	0
		1	19	-16	IN CLR:	31	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	28	0	0	0	0	66.4	4.0	0.	0	0	0	0	0
12/15/76 *	DDA	336	370	250	FLT TOT:	59	0	0	0	0	14.3	.7	0.	0	0	0	0	0
		2	20	-15	IN CLR:	44	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	15	0	0	0	0	56.2	2.9	0.	0	0	0	0	0
12/16/76	DDA	298	310	238	FLT TOT:	62	0	0	0	0	4.8	.8	0.	0	0	0	0	0
		1	19	-16	IN CLR:	51	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	11	0	0	0	0	27.1	4.3	0.	0	0	0	0	0
12/23/76 *	DDA	348	370	255	FLT TOT:	59	0	0	0	0	9.7	1.2	0.	0	0	0	59	0
		2	20	-15	IN CLR:	44	0	0	0	0	0.0	0.0	0.	0	0	0	44	0
					NOT CLR:	15	0	0	0	0	38.3	4.7	0.	0	0	0	15	0
12/24/76	DDA	346	350	219	FLT TOT:	63	0	0	0	0	19.5	1.6	0.	0	0	0	63	0
		2	19	-16	IN CLR:	41	0	0	0	0	0.0	0.0	0.	0	0	0	41	0
					NOT CLR:	22	0	0	0	0	55.8	4.7	0.	0	0	0	22	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-NAN (CONT.)																		
12/25/76 *	DDA	349	370	260	FLT TOT:	63	0	0	0	0	12.6	1.2	0.	0	0	0	63	0
		2	20	-15	IN CLR:	45	0	0	0	0	0.0	0.0	0.	0	0	0	45	0
					NOT CLR:	18	0	0	0	0	44.0	4.3	0.	0	0	0	18	0
12/26/76	DDA	347	350	266	FLT TOT:	59	0	0	0	0	8.1	.7	0.	0	0	0	59	0
		1	19	-16	IN CLR:	49	0	0	0	0	0.0	0.0	0.	0	0	0	49	0
					NOT CLR:	10	0	0	0	0	48.0	4.1	0.	0	0	0	10	0
12/15/77	BCB	307	312	229	FLT TOT:	54	54	32	0	0	6.1	0.0	.723E+05	29	0	0	54	0
		1	19	-16	IN CLR:	46	46	28	0	0	0.0	0.0	.463E+01	30	0	0	46	0
					NOT CLR:	8	8	4	0	0	41.3	0.0	.488E+06	21	0	0	8	0
12/16/77 *	BCB	354	370	241	FLT TOT:	61	61	39	0	0	7.8	0.0	.311E+05	29	0	0	61	0
		1	20	-15	IN CLR:	44	44	29	0	0	0.0	0.0	.284E+01	32	0	0	44	0
					NOT CLR:	17	17	10	0	0	27.8	0.0	.111E+06	20	0	0	17	0
HNL-NRT																		
1/ 2/78 *	BCB	374	390	193	FLT TOT:	60	60	40	35	0	0.0	0.0	0.	65	23	37	0	0
		31	36	21	IN CLR:	60	60	40	35	0	0.0	0.0	0.	65	23	37	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/ 3/79	BBB	335	350	251	FLT TOT:	92	0	59	45	0	0.0	0.0	0.	44	26	124	92	0
		25	35	21	IN CLR:	92	0	59	45	0	0.0	0.0	0.	44	26	124	92	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/12/79	BBB	336	351	278	FLT TOT:	83	0	57	39	4	12.6	1.2	0.	156	55	65	61	22
		32	38	22	IN CLR:	59	0	40	25	1	0.0	0.0	0.	193	37	70	37	22
					NOT CLR:	24	0	17	14	3	43.4	4.0	0.	69	87	55	24	0
2/20/79 *	BBB	359	370	254	FLT TOT:	21	0	12	11	1	0.0	0.0	0.	198	31	37	10	11
		32	36	22	IN CLR:	21	0	12	11	1	0.0	0.0	0.	198	31	37	10	11
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/21/79	BBB	339	351	251	FLT TOT:	95	0	63	49	0	11.1	2.1	0.	86	48	47	95	0
		32	36	22	IN CLR:	60	0	40	33	0	0.0	0.0	0.	106	33	31	60	0
					NOT CLR:	35	0	23	16	0	30.2	5.6	0.	51	77	79	35	0
3/13/79	BBB	372	390	303	FLT TOT:	90	0	57	52	6	13.5	1.1	0.	283	45	49	35	55
		34	40	22	IN CLR:	66	0	42	38	0	0.0	0.0	0.	365	28	42	11	55
					NOT CLR:	24	0	15	14	6	50.5	4.0	0.	54	91	68	24	0
3/13/79 *	BBB	368	370	292	FLT TOT:	64	0	42	37	3	13.5	1.2	0.	120	48	45	29	35
		31	36	22	IN CLR:	44	0	29	25	0	0.0	0.0	0.	142	32	51	13	31
					NOT CLR:	20	0	13	12	3	43.1	3.7	0.	72	83	33	16	4
5/10/79	BDB	342	351	265	FLT TOT:	84	84	0	49	10	7.4	1.0	.160E+06	0	65	110	84	0
		29	35	22	IN CLR:	57	57	0	31	2	0.0	0.0	.851E+03	0	51	90	57	0
					NOT CLR:	27	27	0	18	8	22.9	3.1	.496E+06	0	88	146	27	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-NRT (CONT.)																		
6/ 3/79	BDB	375	390	263	FLT TOT:	80	80	54	38	1	.2	.1	.269E+04	79	45	45	80	0
		29	35	22	IN CLR:	75	75	51	35	0	0.0	0.0	.969E+03	80	43	43	75	0
					NOT CLR:	5	5	3	3	1	2.7	1.8	.285E+05	60	66	67	5	0
10/14/78 *	BBB	361	370	256	FLT TOT:	65	65	43	0	0	9.1	1.2	.473E+05	59	0	0	65	0
		33	38	22	IN CLR:	46	46	30	0	0	0.0	0.0	.906E+03	71	0	0	46	0
					NOT CLR:	19	19	13	0	0	31.3	4.2	.160E+06	30	0	0	19	0
10/14/78	BBB	349	370	258	FLT TOT:	80	80	52	0	0	10.0	1.3	.157E+05	36	0	0	80	0
		28	35	22	IN CLR:	52	52	35	0	0	0.0	0.0	.217E+03	37	0	0	52	0
					NOT CLR:	28	28	17	0	0	28.6	3.6	.444E+05	34	0	0	28	0
10/25/78 *	BBB	365	371	261	FLT TOT:	66	66	44	36	2	3.5	.4	.268E+05	61	49	30	66	0
		32	37	21	IN CLR:	61	61	40	33	1	0.0	0.0	.288E+02	61	46	29	61	0
					NOT CLR:	5	5	4	3	1	46.3	5.0	.354E+06	54	85	44	5	0
10/29/78	BBB	351	351	349	FLT TOT:	52	52	28	29	9	8.1	1.0	.267E+05	35	76	103	52	0
		31	35	28	IN CLR:	32	32	18	15	0	0.0	0.0	.203E+02	31	59	86	32	0
					NOT CLR:	20	20	10	14	9	21.1	2.7	.694E+05	42	93	121	20	0
11/ 6/78 *	BBB	345	354	261	FLT TOT:	57	57	35	32	7	3.6	.9	.258E+04	57	58	142	57	0
		33	38	22	IN CLR:	45	45	28	26	2	0.0	0.0	.243E+02	62	49	124	45	0
					NOT CLR:	12	12	7	6	5	17.0	4.3	.122E+05	38	99	218	12	0
HNL-ORD																		
2/ 9/79 *	CAB	343	352	278	FLT TOT:	89	89	57	52	5	21.4	1.8	.566E+05	58	79	63	89	0
		32	42	21	IN CLR:	45	45	30	28	3	0.0	0.0	.305E+03	79	74	38	45	0
					NOT CLR:	44	44	27	24	2	43.2	3.6	.114E+06	35	84	92	44	0
2/ 9/79	CAB	348	371	232	FLT TOT:	77	77	50	42	9	8.3	.7	.138E+05	87	78	59	65	12
		35	42	23	IN CLR:	54	54	35	30	5	0.0	0.0	.239E+03	112	73	33	42	12
					NOT CLR:	23	23	15	12	4	27.9	2.4	.456E+05	29	90	124	23	0
2/15/79 *	CAB	341	351	278	FLT TOT:	92	92	60	54	7	.1	.1	.210E+03	185	69	45	53	39
		38	43	25	IN CLR:	89	89	58	54	7	0.0	0.0	.790E+02	189	69	45	50	39
					NOT CLR:	3	3	2	0	0	2.6	1.7	.411E+04	79	0	0	3	0
2/16/79	CAB	326	370	263	FLT TOT:	76	76	48	41	2	0.0	0.0	.117E+03	153	46	53	55	21
		33	41	22	IN CLR:	76	76	48	41	2	0.0	0.0	.117E+03	153	46	53	55	21
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/22/79 *	CAB	339	352	274	FLT TOT:	89	89	57	47	9	3.1	.8	.163E+05	159	78	52	66	23
		37	43	23	IN CLR:	73	73	49	38	7	0.0	0.0	.267E+03	173	77	49	50	23
					NOT CLR:	16	16	8	9	2	17.5	4.4	.896E+05	71	85	64	16	0
3/ 2/76	CAA	329	335	204	FLT TOT:	49	0	49	48	25	14.4	.7	0.	113	75	99	36	13
		35	42	22	IN CLR:	34	0	34	34	11	0.0	0.0	0.	147	65	100	21	13
					NOT CLR:	15	0	15	14	14	47.0	2.3	0.	36	100	96	15	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-ORD (CONT.)																		
3/ 4/76 *	CAA	347	390	204	FLT TOT:	62	0	62	60	30	10.8	.7	0.	140	74	46	43	19
		36	43	22	IN CLR:	47	0	47	46	16	0.0	0.0	0.	166	66	39	28	19
					NOT CLR:	15	0	15	14	14	44.8	2.9	0.	56	100	69	15	0
3/ 5/76 *	CAA	334	355	197	FLT TOT:	59	0	59	59	44	6.9	.7	0.	126	87	70	56	3
		37	44	22	IN CLR:	47	0	47	47	32	0.0	0.0	0.	142	83	72	44	3
					NOT CLR:	12	0	12	12	12	34.2	3.4	0.	62	100	60	12	0
3/ 5/76	CAA	343	370	204	FLT TOT:	53	0	53	52	27	5.5	.3	0.	218	62	69	30	23
		35	42	22	IN CLR:	39	0	39	38	13	0.0	0.0	0.	280	48	41	16	23
					NOT CLR:	14	0	14	14	14	20.7	1.2	0.	45	100	142	14	0
3/30/76	CAA	335	370	203	FLT TOT:	50	0	50	50	35	5.1	1.0	0.	253	75	93	33	17
		36	42	22	IN CLR:	36	0	36	36	21	0.0	0.0	0.	319	65	73	19	17
					NOT CLR:	14	0	14	14	14	18.1	3.4	0.	84	100	144	14	0
3/31/76 *	CAA	343	351	205	FLT TOT:	28	0	28	27	13	.1	.0	0.	226	68	42	15	13
		40	42	37	IN CLR:	27	0	27	26	12	0.0	0.0	0.	232	67	42	14	13
					NOT CLR:	1	0	1	1	1	2.7	1.0	0.	80	100	42	1	0
3/ 2/79 *	CAB	339	351	275	FLT TOT:	90	90	57	48	40	11.4	.7	.288E+05	85	99	101	85	5
		35	42	22	IN CLR:	67	67	44	37	31	0.0	0.0	.762E+02	97	99	109	62	5
					NOT CLR:	23	23	13	11	9	44.4	2.6	.113E+06	43	100	77	23	0
3/22/79 *	CAB	341	350	287	FLT TOT:	88	88	55	50	19	13.2	.7	.477E+05	187	88	64	56	32
		38	45	22	IN CLR:	64	64	39	34	12	0.0	0.0	.925E+03	238	87	62	32	32
					NOT CLR:	24	24	16	16	7	48.4	2.5	.172E+06	62	91	66	24	0
3/23/79	CAB	341	370	221	FLT TOT:	76	76	49	41	4	2.5	.2	.178E+05	186	62	99	32	44
		31	41	21	IN CLR:	72	72	48	40	4	0.0	0.0	.240E+03	189	61	99	28	44
					NOT CLR:	4	4	1	1	0	47.7	3.0	.334E+06	31	98	71	4	0
4/ 1/76	CAA	344	370	205	FLT TOT:	58	0	58	0	0	.0	.0	0.	156	0	0	37	21
		35	42	22	IN CLR:	56	0	56	0	0	0.0	0.0	0.	159	0	0	35	21
					NOT CLR:	2	0	2	0	0	.6	1.0	0.	81	0	0	2	0
4/ 7/76 *	CAA	341	351	213	FLT TOT:	56	0	56	0	0	4.1	.4	0.	193	0	0	49	7
		39	45	26	IN CLR:	46	0	46	0	0	0.0	0.0	0.	219	0	0	39	7
					NOT CLR:	10	0	10	0	0	23.2	2.0	0.	70	0	0	10	0
4/10/76	CAA	350	390	206	FLT TOT:	52	0	52	51	14	1.2	.0	0.	179	78	94	42	10
		35	42	22	IN CLR:	51	0	51	50	13	0.0	0.0	0.	182	78	91	41	10
					NOT CLR:	1	0	1	1	1	61.6	2.0	0.	51	100	272	1	0
4/10/76 *	CAA	314	350	205	FLT TOT:	17	0	17	17	8	1.2	.4	0.	124	90	170	17	0
		44	45	42	IN CLR:	15	0	15	15	6	0.0	0.0	0.	131	89	165	15	0
					NOT CLR:	2	0	2	2	2	10.0	3.0	0.	75	100	205	2	0
4/12/76	CAA	370	390	222	FLT TOT:	28	0	28	27	13	0.0	0.0	0.	246	74	59	8	20
		40	42	34	IN CLR:	28	0	28	27	13	0.0	0.0	0.	246	74	59	8	20
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-ORD (CONT.)																		
4/13/76 *	CAA	316	351	207	FLT TOT:	17	0	17	17	10	19.0	1.4	0.	179	80	135	14	3
		42	42	40	IN CLR:	10	0	10	10	3	0.0	0.0	0.	241	66	142	7	3
					NOT CLR:	7	0	7	7	7	46.2	3.4	0.	91	100	127	7	0
4/14/76	CAA	323	330	204	FLT TOT:	27	0	27	26	16	1.7	.5	0.	68	84	185	27	0
		27	32	22	IN CLR:	21	0	21	20	10	0.0	0.0	0.	71	80	180	21	0
					NOT CLR:	6	0	6	6	6	7.8	2.2	0.	57	100	203	6	0
4/19/76	CAA	335	370	210	FLT TOT:	37	0	37	36	28	1.3	.1	0.	104	92	160	35	2
		31	39	22	IN CLR:	33	0	33	32	24	0.0	0.0	0.	108	91	161	31	2
					NOT CLR:	4	0	4	4	4	12.1	1.0	0.	72	100	152	4	0
4/20/76	CAA	340	370	208	FLT TOT:	40	0	40	40	35	1.3	.2	0.	85	97	147	40	0
		32	40	22	IN CLR:	34	0	34	34	29	0.0	0.0	0.	84	96	147	34	0
					NOT CLR:	6	0	6	6	6	8.7	1.5	0.	89	100	152	6	0
4/21/76 *	CAA	364	391	206	FLT TOT:	43	0	43	42	22	9.6	.8	0.	228	73	35	32	11
		41	43	35	IN CLR:	30	0	30	29	9	0.0	0.0	0.	285	61	31	20	10
					NOT CLR:	13	0	13	13	13	31.9	2.6	0.	98	100	46	12	1
4/26/76 *	CAA	341	351	187	FLT TOT:	60	0	60	60	8	5.7	.4	0.	220	57	57	53	7
		35	43	22	IN CLR:	50	0	50	50	1	0.0	0.0	0.	247	49	51	43	7
					NOT CLR:	10	0	10	10	7	34.3	2.2	0.	87	98	85	10	0
4/ 4/79 *	CAB	387	410	235	FLT TOT:	96	96	63	55	30	1.0	.2	.120E+05	214	86	23	56	40
		35	42	22	IN CLR:	89	89	58	52	28	0.0	0.0	.106E+04	223	86	23	50	39
					NOT CLR:	7	7	5	3	2	13.7	2.4	.151E+06	108	90	19	6	1
4/ 6/79	CAB	345	390	215	FLT TOT:	47	44	31	21	10	0.0	0.0	.433E+04	121	86	49	45	2
		31	42	23	IN CLR:	47	44	31	21	10	0.0	0.0	.433E+04	121	86	49	45	2
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 7/76 *	CAA	340	350	208	FLT TOT:	89	0	48	0	0	.0	.0	0.	58	0	0	89	0
		35	42	22	IN CLR:	88	0	48	0	0	0.0	0.0	0.	58	0	0	88	0
					NOT CLR:	1	0	0	0	0	.8	1.0	0.	0	0	0	1	0
5/ 9/76 *	CAA	345	350	207	FLT TOT:	85	0	25	0	0	1.9	.3	0.	117	0	0	85	0
		35	42	22	IN CLR:	71	0	21	0	0	0.0	0.0	0.	117	0	0	71	0
					NOT CLR:	14	0	4	0	0	11.3	1.6	0.	120	0	0	14	0
5/13/76 *	CAA	367	390	205	FLT TOT:	90	0	49	73	23	1.0	.1	0.	129	76	53	90	0
		32	42	21	IN CLR:	85	0	46	70	20	0.0	0.0	0.	134	75	51	85	0
					NOT CLR:	5	0	3	3	3	18.6	1.8	0.	46	100	100	5	0
5/14/76	CAA	342	370	207	FLT TOT:	83	0	37	0	0	5.4	.5	0.	105	0	0	83	0
		35	43	22	IN CLR:	62	0	25	0	0	0.0	0.0	0.	132	0	0	62	0
					NOT CLR:	21	0	12	0	0	21.3	2.0	0.	50	0	0	21	0
5/15/76 *	CAA	339	351	214	FLT TOT:	88	0	30	73	56	13.1	1.0	0.	79	93	94	88	0
		34	42	22	IN CLR:	62	0	25	50	33	0.0	0.0	0.	82	90	85	62	0
					NOT CLR:	26	0	5	23	23	44.4	3.5	0.	64	100.	113	26	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-ORD (CONT.)																		
5/30/79 *	CAB	368	390	192	FLT TOT:	87	87	0	48	5	2.8	.1	.919E+04	0	72	53	76	11
		35	42	22	IN CLR:	80	80	0	44	4	0.0	0.0	.332E+04	0	71	50	69	11
					NOT CLR:	7	7	0	4	1	34.6	1.0	.762E+05	0	91	85	7	0
5/30/79	CAB	353	373	195	FLT TOT:	81	81	9	42	4	7.4	.3	.231E+05	90	59	83	68	13
		35	42	23	IN CLR:	71	71	9	33	0	0.0	0.0	.295E+04	90	51	43	58	13
					NOT CLR:	10	10	0	9	4	60.3	2.2	.166E+06	0	91	231	10	0
5/31/79	CAB	361	370	217	FLT TOT:	83	83	0	46	2	1.6	.2	.545E+04	0	55	75	64	19
		34	42	22	IN CLR:	80	80	0	43	1	0.0	0.0	.271E+04	0	54	46	61	19
					NOT CLR:	3	3	0	3	1	45.1	5.7	.783E+05	0	73	502	3	0
6/15/78	CAB	353	391	260	FLT TOT:	79	79	51	42	1	7.7	.4	.396E+05	82	59	52	75	4
		35	42	23	IN CLR:	65	65	44	39	1	0.0	0.0	.185E+04	80	59	52	62	3
					NOT CLR:	14	14	7	3	0	43.2	2.3	.215E+06	94	52	51	13	1
6/18/78 *	CAB	341	361	266	FLT TOT:	85	85	50	45	6	1.4	.2	.882E+04	150	65	76	74	11
		38	45	22	IN CLR:	81	81	48	43	4	0.0	0.0	.138E+04	151	64	71	70	11
					NOT CLR:	4	4	2	2	2	30.5	4.5	.159E+06	115	100	176	4	0
6/20/78 *	CAB	334	351	262	FLT TOT:	90	90	58	50	0	.4	.2	.516E+04	121	53	56	84	6
		38	45	22	IN CLR:	87	87	56	49	0	0.0	0.0	.922E+03	122	52	55	81	6
					NOT CLR:	3	3	2	1	0	10.7	6.7	.128E+06	82	90	104	3	0
6/28/78	CAB	347	370	192	FLT TOT:	77	77	49	40	0	2.4	.3	.600E+04	134	29	33	68	9
		36	42	23	IN CLR:	70	70	44	38	0	0.0	0.0	.426E+03	143	26	31	61	9
					NOT CLR:	7	7	5	2	0	25.9	3.3	.617E+05	53	87	83	7	0
6/ 3/79	CAB	371	404	253	FLT TOT:	82	82	0	42	0	1.4	.0	.432E+04	0	25	23	71	11
		31	41	21	IN CLR:	79	79	0	41	0	0.0	0.0	.310E+04	0	25	22	68	11
					NOT CLR:	3	3	0	1	0	37.6	1.0	.364E+05	0	6	47	3	0
6/ 5/79 *	CAB	364	391	243	FLT TOT:	46	25	0	33	1	2.5	.1	.278E+05	0	58	45	46	0
		37	42	22	IN CLR:	42	21	0	29	1	0.0	0.0	.202E+04	0	56	36	42	0
					NOT CLR:	4	4	0	4	0	28.5	1.3	.163E+06	0	68	112	4	0
6/ 6/79	CAB	358	370	264	FLT TOT:	78	78	0	45	0	3.4	.3	.112E+05	0	45	55	78	0
		38	44	23	IN CLR:	68	68	0	39	0	0.0	0.0	.297E+03	0	40	55	68	0
					NOT CLR:	10	10	0	6	0	26.2	2.4	.850E+05	0	74	56	10	0
7/ 1/78 *	CAB	349	390	258	FLT TOT:	93	93	61	53	2	2.8	.5	.620E+04	219	32	29	74	19
		38	45	22	IN CLR:	85	85	55	49	2	0.0	0.0	.264E+03	235	34	31	66	19
					NOT CLR:	8	8	6	4	0	32.9	5.6	.693E+05	72	3	13	8	0
7/ 2/78	CAB	343	370	240	FLT TOT:	75	75	49	36	0	.0	.0	.151E+02	46	11	20	75	0
		32	41	21	IN CLR:	74	74	49	35	0	0.0	0.0	.136E+02	46	9	18	74	0
					NOT CLR:	1	1	0	1	0	2.4	2.0	.128E+03	0	85	109	1	0
7/ 6/78 *	CAB	338	351	197	FLT TOT:	90	90	58	52	4	9.0	.8	.256E+05	115	50	88	90	0
		37	43	22	IN CLR:	67	67	44	40	0	0.0	0.0	.214E+03	130	41	47	67	0
					NOT CLR:	23	23	14	12	4	35.2	3.2	.996E+05	70	79	226	23	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-ORD (CONT.)																		
7/ 8/78 *	CAB	338	351	193	FLT TOT:	90	90	58	31	0	3.8	.3	.147E+05	101	45	126	90	0
		37	44	22	IN CLR:	83	83	54	31	0	0.0	0.0	.157E+03	101	45	126	83	0
					NOT CLR:	7	7	4	0	0	49.4	4.3	.187E+06	94	0	0	7	0
7/15/78	CAB	347	371	209	FLT TOT:	77	77	49	45	0	0.0	0.0	.540E+02	76	17	28	77	0
		35	42	23	IN CLR:	77	77	49	45	0	0.0	0.0	.540E+02	76	17	28	77	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/15/78 *	CAB	342	351	272	FLT TOT:	89	89	57	48	11	1.5	.3	.135E+05	58	63	143	89	0
		34	42	22	IN CLR:	80	80	50	47	11	0.0	0.0	.727E+02	57	63	144	80	0
					NOT CLR:	9	9	7	1	0	14.8	3.0	.133E+06	67	70	116	9	0
7/17/78 *	CAB	341	351	262	FLT TOT:	91	91	56	49	0	.0	.0	.410E+02	67	24	84	91	0
		31	41	21	IN CLR:	89	89	54	48	0	0.0	0.0	.412E+02	66	23	83	89	0
					NOT CLR:	2	2	2	1	0	.8	1.0	.308E+02	104	64	135	2	0
12/27/75 *	CAA	346	351	210	FLT TOT:	57	0	57	0	0	12.2	1.4	0.	64	0	0	50	7
		35	42	22	IN CLR:	34	0	34	0	0	0.0	0.0	0.	79	0	0	28	6
					NOT CLR:	23	0	23	0	0	30.3	3.4	0.	41	0	0	22	1
12/27/75	CAA	366	408	210	FLT TOT:	53	0	53	0	0	8.8	.8	0.	66	0	0	48	5
		34	42	22	IN CLR:	37	0	37	0	0	0.0	0.0	0.	72	0	0	32	5
					NOT CLR:	16	0	16	0	0	29.3	2.7	0.	52	0	0	16	0
HNL-OSA																		
1/ 3/79 *	BBB	345	350	271	FLT TOT:	66	0	42	34	0	0.0	0.0	0.	61	19	47	66	0
		31	35	22	IN CLR:	66	0	42	34	0	0.0	0.0	0.	61	19	47	66	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/ 3/79	BBB	338	370	220	FLT TOT:	95	0	60	50	0	0.0	0.0	0.	50	18	64	95	0
		25	35	21	IN CLR:	95	0	60	50	0	0.0	0.0	0.	50	18	64	95	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/11/79	BBB	374	391	284	FLT TOT:	92	0	63	40	1	0.0	0.0	0.	274	29	42	32	60
		32	37	22	IN CLR:	92	0	63	40	1	0.0	0.0	0.	274	29	42	32	60
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/12/79 *	BBB	374	391	199	FLT TOT:	66	0	42	36	1	.3	.1	0.	128	25	25	51	15
		28	35	21	IN CLR:	64	0	41	34	0	0.0	0.0	0.	130	22	24	49	15
					NOT CLR:	2	0	1	2	1	11.2	2.5	0.	51	34	49	2	0
2/20/79	BBB	323	370	220	FLT TOT:	15	0	6	6	3	0.0	0.0	0.	105	56	127	15	0
		27	35	22	IN CLR:	15	0	6	6	3	0.0	0.0	0.	105	56	127	15	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/21/79 *	BBB	335	371	196	FLT TOT:	8	0	3	1	1	0.0	0.0	0.	166	100	192	3	5
		33	35	22	IN CLR:	8	0	3	1	1	0.0	0.0	0.	166	100	192	3	5
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HNL-OSA (CONT.)																		
10/28/78	BBB	328	350	210	FLT TOT:	87	87	58	45	4	20.3	1.6	.837E+05	57	59	110	87	0
		30	35	22	IN CLR:	41	41	29	20	1	0.0	0.0	.104E+03	71	42	68	41	0
					NOT CLR:	46	46	29	25	3	38.4	3.0	.158E+06	43	73	144	46	0
10/28/78 *	BBB	366	390	262	FLT TOT:	61	61	41	26	8	33.4	1.1	.930E+05	66	65	69	56	5
		33	39	22	IN CLR:	30	30	22	19	2	0.0	0.0	.273E+03	132	53	15	25	5
					NOT CLR:	31	31	19	7	6	65.6	2.3	.183E+06	38	99	215	31	0
11/ 6/78	BBB	367	390	225	FLT TOT:	77	77	51	40	0	0.0	0.0	.925E+01	45	31	49	77	0
		27	35	21	IN CLR:	77	77	51	40	0	0.0	0.0	.925E+01	45	31	49	77	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/ 7/78 *	BBB	358	390	230	FLT TOT:	76	76	50	42	7	5.1	.6	.133E+05	52	34	53	76	0
		29	35	22	IN CLR:	65	65	42	36	1	0.0	0.0	.203E+02	53	23	52	65	0
					NOT CLR:	11	11	8	6	6	35.1	4.2	.918E+05	47	100	56	11	0
HNL-PDX																		
10/25/78	BBB	356	371	254	FLT TOT:	50	50	33	24	1	.0	.0	.519E+01	73	41	47	50	0
		34	45	22	IN CLR:	49	49	32	23	1	0.0	0.0	.530E+01	73	40	47	49	0
					NOT CLR:	1	1	1	1	0	.4	1.0	0.	69	73	34	1	0
10/26/78 *	BBB	330	350	247	FLT TOT:	52	52	34	27	5	3.3	.2	.738E+04	54	48	86	52	0
		35	45	23	IN CLR:	48	48	32	25	3	0.0	0.0	.396E+01	55	44	82	48	0
					NOT CLR:	4	4	2	2	2	42.9	3.0	.959E+05	35	100	130	4	0
10/27/78	BBB	361	370	230	FLT TOT:	46	46	28	23	0	3.3	.6	.258E+04	56	38	29	46	0
		35	45	22	IN CLR:	40	40	26	23	0	0.0	0.0	.646E+01	56	38	29	40	0
					NOT CLR:	6	6	2	0	0	25.2	4.3	.197E+05	58	0	0	6	0
10/27/78 *	BBB	357	391	205	FLT TOT:	53	53	35	28	2	.8	.3	.517E+03	63	33	49	53	0
		33	45	22	IN CLR:	49	49	33	25	1	0.0	0.0	.406E+01	64	28	48	49	0
					NOT CLR:	4	4	2	3	1	10.9	3.5	.681E+04	50	81	58	4	0
HNL-PPG																		
2/ 6/76	BBA	346	370	206	FLT TOT:	22	0	22	0	0	13.4	.9	0.	7	0	0	11	0
		3	20	-12	IN CLR:	17	0	17	0	0	0.0	0.0	0.	7	0	0	6	0
					NOT CLR:	5	0	5	0	0	59.1	4.0	0.	8	0	0	5	0
2/ 7/76 *	BBA	351	351	351	FLT TOT:	5	0	5	0	0	17.3	.8	0.	41	0	0	5	0
		8	14	5	IN CLR:	4	0	4	0	0	0.0	0.0	0.	49	0	0	4	0
					NOT CLR:	1	0	1	0	0	86.7	4.0	0.	6	0	0	1	0
3/29/77	AAA	386	389	315	FLT TOT:	50	50	0	40	15	8.8	1.2	.103E+06	0	69	56	0	0
		4	20	-12	IN CLR:	29	29	0	24	3	0.0	0.0	.311E+02	0	52	36	0	0
					NOT CLR:	21	21	0	16	12	20.8	2.9	.245E+06	0	95	86	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-PPG (CONT.)																		
3/29/77 *	AAA	404	410	234	FLT TOT:	50	50	0	41	27	20.2	1.6	.688E+05	0	87	44	0	0
		3	20	-12	IN CLR:	21	21	0	18	7	0.0	0.0	.121E+02	0	73	56	0	0
					NOT CLR:	29	29	0	23	20	34.8	2.8	.119E+06	0	99	35	0	0
5/ 3/77 *	AAA	405	410	275	FLT TOT:	51	51	32	0	0	5.9	.6	.140E+05	40	0	0	51	0
		3	20	-12	IN CLR:	40	40	26	0	0	0.0	0.0	.207E+02	36	0	0	40	0
					NOT CLR:	11	11	6	0	0	27.4	3.0	.650E+05	61	0	0	11	0
5/ 3/77	AAA	400	430	260	FLT TOT:	52	52	30	0	0	22.6	1.0	.574E+05	37	0	0	52	0
		3	20	-12	IN CLR:	30	30	16	0	0	0.0	0.0	.366E+03	42	0	0	30	0
					NOT CLR:	22	22	14	0	0	53.5	2.5	.135E+06	32	0	0	22	0
5/10/77	AAA	398	410	313	FLT TOT:	49	49	30	0	0	17.8	.9	.291E+05	29	0	0	49	0
		4	20	-12	IN CLR:	25	25	16	0	0	0.0	0.0	.541E+03	35	0	0	25	0
					NOT CLR:	24	24	14	0	0	36.4	1.9	.589E+05	23	0	0	24	0
5/10/77 *	AAA	408	430	290	FLT TOT:	48	48	32	0	0	30.5	1.3	.125E+06	32	0	0	48	0
		3	20	-12	IN CLR:	21	21	15	0	0	0.0	0.0	.908E+01	31	0	0	21	0
					NOT CLR:	27	27	17	0	0	54.1	2.3	.223E+06	33	0	0	27	0
5/17/77 *	AAA	404	410	304	FLT TOT:	16	16	10	0	0	37.1	1.4	.130E+06	19	0	0	16	0
		4	17	-12	IN CLR:	4	4	2	0	0	0.0	0.0	.154E+02	40	0	0	4	0
					NOT CLR:	12	12	8	0	0	49.5	1.8	.174E+06	13	0	0	12	0
5/17/77	AAA	398	410	382	FLT TOT:	15	15	4	0	0	3.0	.5	.536E+05	37	0	0	15	0
		4	19	-12	IN CLR:	13	13	4	0	0	0.0	0.0	.500E+01	37	0	0	13	0
					NOT CLR:	2	2	0	0	0	22.5	3.5	.402E+06	0	0	0	2	0
5/14/79 *	BDB	366	370	287	FLT TOT:	50	50	0	25	1	.2	.2	.258E+04	0	36	51	50	0
		4	20	-11	IN CLR:	48	48	0	24	1	0.0	0.0	.271E+03	0	35	49	48	0
					NOT CLR:	2	2	0	1	0	4.7	5.0	.580E+05	0	68	99	2	0
5/26/79	BDB	348	350	282	FLT TOT:	50	50	31	24	7	15.7	1.7	.175E+06	25	73	195	50	0
		3	19	-12	IN CLR:	27	27	18	13	0	0.0	0.0	.334E+04	27	56	128	27	0
					NOT CLR:	23	23	13	11	7	34.1	3.6	.375E+06	23	93	274	23	0
10/23/78 *	BBB	365	369	295	FLT TOT:	46	46	0	0	0	2.9	.2	.192E+04	0	0	0	46	0
		4	20	-11	IN CLR:	41	41	0	0	0	0.0	0.0	.476E+01	0	0	0	41	0
					NOT CLR:	5	5	0	0	0	26.4	2.0	.176E+05	0	0	0	5	0
11/ 4/78	B2B	345	350	248	FLT TOT:	50	50	32	23	0	4.0	.4	.101E+05	42	23	47	50	0
		3	19	-12	IN CLR:	43	43	29	23	0	0.0	0.0	.458E+03	43	23	47	43	0
					NOT CLR:	7	7	3	0	0	28.4	2.9	.691E+05	30	0	0	7	0
12/14/76	AAA	410	430	294	FLT TOT:	51	0	33	0	0	33.9	1.1	0.	23	0	0	51	0
		3	20	-12	IN CLR:	16	0	9	0	0	0.0	0.0	0.	23	0	0	16	0
					NOT CLR:	35	0	24	0	0	49.4	1.7	0.	23	0	0	35	0
12/15/76 *	AAA	409	431	256	FLT TOT:	53	0	34	0	0	12.7	.8	0.	22	0	0	53	0
		3	20	-12	IN CLR:	32	0	22	0	0	0.0	0.0	0.	23	0	0	32	0
					NOT CLR:	21	0	12	0	0	32.2	2.0	0.	19	0	0	21	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-PPG (CONT.)																		
12/21/76 *	AAA	401	413	314	FLT TOT:	44	0	26	0	0	1.2	.3	0.	40	0	0	44	0
		3	19	-12	IN CLR:	39	0	23	0	0	0.0	0.0	0.	40	0	0	39	0
					NOT CLR:	5	0	3	0	0	10.4	2.6	0.	45	0	0	5	0
12/21/76	AAA	403	410	196	FLT TOT:	56	0	36	46	14	8.3	.7	0.	39	80	32	56	0
		3	20	-13	IN CLR:	40	0	28	35	6	0.0	0.0	0.	37	75	30	40	0
					NOT CLR:	16	0	8	11	8	29.1	2.5	0.	43	98	39	16	0
12/28/76	AAA	385	390	198	FLT TOT:	54	0	35	0	0	0.0	0.0	0.	35	0	0	54	0
		3	20	-13	IN CLR:	54	0	35	0	0	0.0	0.0	0.	35	0	0	54	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/28/76 *	AAA	408	414	310	FLT TOT:	46	0	30	38	12	9.6	1.4	0.	30	79	31	46	0
		3	19	-12	IN CLR:	29	0	19	24	1	0.0	0.0	0.	32	68	29	29	0
					NOT CLR:	17	0	11	14	11	26.0	3.8	0.	27	97	34	17	0
12/12/77 *	BCB	373	390	256	FLT TOT:	50	50	32	0	0	15.6	0.0	.170E+06	27	0	0	50	0
		4	20	-11	IN CLR:	35	35	22	0	0	0.0	0.0	.426E+02	28	0	0	35	0
					NOT CLR:	15	15	10	0	0	52.1	0.0	.567E+06	24	0	0	15	0
12/17/77	BCB	330	350	251	FLT TOT:	43	43	26	0	0	14.3	0.0	.348E+05	26	0	0	43	0
		3	19	-12	IN CLR:	24	24	15	0	0	0.0	0.0	.959E+02	28	0	0	24	0
					NOT CLR:	19	19	11	0	0	32.4	0.0	.786E+05	23	0	0	19	0
HNL-SEA																		
2/13/79	CAB	364	371	201	FLT TOT:	40	40	27	18	1	0.0	0.0	.462E+02	353	46	89	16	24
		34	47	23	IN CLR:	40	40	27	18	1	0.0	0.0	.462E+02	353	46	89	16	24
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/30/76	BBA	366	371	222	FLT TOT:	31	0	31	0	0	.1	.2	0.	296	0	0	31	0
		36	47	25	IN CLR:	25	0	25	0	0	0.0	0.0	0.	329	0	0	25	0
					NOT CLR:	6	0	6	0	0	.7	1.2	0.	161	0	0	6	0
3/30/76 *	BBA	381	390	212	FLT TOT:	32	0	32	0	0	3.0	.1	0.	143	0	0	20	12
		32	44	21	IN CLR:	29	0	29	0	0	0.0	0.0	0.	150	0	0	19	10
					NOT CLR:	3	0	3	0	0	32.4	1.0	0.	76	0	0	1	2
3/31/76 *	BBA	349	352	320	FLT TOT:	24	0	24	0	0	.1	.1	0.	108	0	0	18	6
		34	46	22	IN CLR:	22	0	22	0	0	0.0	0.0	0.	109	0	0	18	4
					NOT CLR:	2	0	2	0	0	1.0	1.5	0.	102	0	0	0	2
3/31/76	BBA	338	351	331	FLT TOT:	27	0	27	0	0	.7	.8	0.	91	0	0	17	10
		39	46	29	IN CLR:	23	0	23	0	0	0.0	0.0	0.	95	0	0	13	10
					NOT CLR:	4	0	4	0	0	4.8	5.3	0.	69	0	0	4	0
4/ 1/76 *	BBA	327	337	305	FLT TOT:	35	0	35	0	0	.0	.1	0.	141	0	0	35	0
		36	46	22	IN CLR:	32	0	32	0	0	0.0	0.0	0.	137	0	0	32	0
					NOT CLR:	3	0	3	0	0	.4	1.0	0.	185	0	0	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-SEA (CONT.)																		
4/ 1/76	BBA	312	334	290	FLT TOT:	33	0	33	0	0	.5	.4	0.	134	0	0	33	0
		35	46	23	IN CLR:	25	0	25	0	0	0.0	0.0	0.	140	0	0	25	0
					NOT CLR:	8	0	8	0	0	2.2	1.8	0.	114	0	0	8	0
4/ 2/76 *	BBA	378	390	291	FLT TOT:	35	0	35	0	0	.6	0.0	0.	134	0	0	27	8
		34	46	22	IN CLR:	34	0	34	0	0	0.0	0.0	0.	135	0	0	27	7
					NOT CLR:	1	0	1	0	0	22.4	0.0	0.	83	0	0	0	1
4/ 2/76	BBA	290	292	285	FLT TOT:	34	0	34	0	0	3.6	.8	0.	88	0	0	34	0
		36	46	23	IN CLR:	24	0	24	0	0	0.0	0.0	0.	96	0	0	24	0
					NOT CLR:	10	0	10	0	0	12.3	2.7	0.	68	0	0	10	0
4/ 3/76	BBA	361	371	209	FLT TOT:	32	0	32	0	0	2.3	.2	0.	93	0	0	24	8
		37	47	23	IN CLR:	27	0	27	0	0	0.0	0.0	0.	95	0	0	19	8
					NOT CLR:	5	0	5	0	0	14.4	1.4	0.	86	0	0	5	0
4/ 3/76 *	BBA	372	393	196	FLT TOT:	36	0	36	0	0	.0	.1	0.	273	0	0	32	4
		35	46	22	IN CLR:	35	0	35	0	0	0.0	0.0	0.	275	0	0	31	4
					NOT CLR:	1	0	1	0	0	.8	2.0	0.	181	0	0	1	0
12/12/77	BCB	367	390	263	FLT TOT:	45	45	30	0	0	3.0	0.0	.287E+04	59	0	0	39	6
		35	47	23	IN CLR:	42	42	28	0	0	0.0	0.0	.794E+02	59	0	0	36	6
					NOT CLR:	3	3	2	0	0	45.1	0.0	.420E+05	56	0	0	3	0
12/13/77 *	BCB	373	391	203	FLT TOT:	62	62	39	0	0	3.9	0.0	.250E+05	73	0	0	56	6
		34	47	22	IN CLR:	57	57	37	0	0	0.0	0.0	.839E+01	74	0	0	51	6
					NOT CLR:	5	5	2	0	0	48.3	0.0	.310E+06	52	0	0	5	0
HNL-SFO																		
1/26/76 *	CAA	343	351	217	FLT TOT:	30	0	30	30	3	3.4	.2	0.	40	46	55	30	0
		30	37	22	IN CLR:	28	0	28	28	1	0.0	0.0	0.	38	42	54	28	0
					NOT CLR:	2	0	2	2	2	51.4	3.5	0.	63	100	67	2	0
1/26/76	CAA	358	371	210	FLT TOT:	32	0	32	32	0	2.1	.7	0.	40	31	41	32	0
		31	37	22	IN CLR:	28	0	28	28	0	0.0	0.0	0.	39	28	36	28	0
					NOT CLR:	4	0	4	4	0	16.7	5.3	0.	51	55	76	4	0
1/28/76	CAA	359	371	210	FLT TOT:	30	0	30	30	0	1.0	.4	0.	66	24	30	30	0
		30	37	22	IN CLR:	27	0	27	27	0	0.0	0.0	0.	67	23	32	27	0
					NOT CLR:	3	0	3	3	0	9.8	3.7	0.	52	35	14	3	0
1/ 5/77	DDA	329	330	301	FLT TOT:	43	0	0	0	0	16.8	1.4	0.	0	0	0	43	0
		30	37	22	IN CLR:	26	0	0	0	0	0.0	0.0	0.	0	0	0	26	0
					NOT CLR:	17	0	0	0	0	42.4	3.5	0.	0	0	0	17	0
1/ 6/77 *	DDA	348	350	267	FLT TOT:	44	0	0	0	0	17.5	1.3	0.	0	0	0	44	0
		30	37	22	IN CLR:	27	0	0	0	0	0.0	0.0	0.	0	0	0	27	0
					NOT CLR:	17	0	0	0	0	45.4	3.2	0.	0	0	0	17	0

DEP-ARR IM/ID/IY	CODE	AVFL / ALAT	EXHI / EXTN	EXLO / EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																		
2/ 2/76 *	CAA	342	351	216	FLT TOT:	36	0	36	30	15	0.0	0.0	0.	83	63	49	36	0
		30	37	22	IN CLR:	36	0	36	30	15	0.0	0.0	0.	83	63	49	36	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 2/76	CAA	358	370	218	FLT TOT:	35	0	35	31	0	0.0	0.0	0.	94	21	37	28	7
		30	37	22	IN CLR:	35	0	35	31	0	0.0	0.0	0.	94	21	37	28	7
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 3/76 *	BBA	345	350	209	FLT TOT:	33	0	33	0	0	0.0	0.0	0.	75	0	0	33	0
		30	37	22	IN CLR:	33	0	33	0	0	0.0	0.0	0.	75	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/10/76 *	CAA	342	351	211	FLT TOT:	34	0	34	0	0	0.0	0.0	0.	34	0	0	34	0
		31	38	22	IN CLR:	34	0	34	0	0	0.0	0.0	0.	34	0	0	34	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/11/76	BBA	324	330	214	FLT TOT:	31	0	31	0	0	2.6	.3	0.	32	0	0	31	0
		30	37	22	IN CLR:	26	0	26	0	0	0.0	0.0	0.	32	0	0	26	0
					NOT CLR:	5	0	5	0	0	16.3	1.8	0.	34	0	0	5	0
2/26/76	CAA	364	370	214	FLT TOT:	24	0	24	23	23	14.2	2.2	0.	44	100	31	24	0
		29	35	22	IN CLR:	9	0	9	8	8	0.0	0.0	0.	46	100	29	9	0
					NOT CLR:	15	0	15	15	15	22.7	3.5	0.	43	100	32	15	0
2/26/76 *	CAA	375	390	209	FLT TOT:	30	0	30	30	27	5.2	.8	0.	58	96	61	30	0
		30	37	23	IN CLR:	21	0	21	21	18	0.0	0.0	0.	65	95	74	21	0
					NOT CLR:	9	0	9	9	9	17.2	2.6	0.	43	100	32	9	0
2/29/76	CAA	363	390	206	FLT TOT:	27	0	27	26	14	5.9	.1	0.	150	76	116	13	14
		30	37	22	IN CLR:	25	0	25	24	12	0.0	0.0	0.	156	76	114	11	14
					NOT CLR:	2	0	2	2	2	80.0	1.5	0.	69	100	135	2	0
2/11/77	DDA	368	371	295	FLT TOT:	41	41	26	0	0	49.1	2.1	.244E+06	66	0	0	41	0
		30	36	22	IN CLR:	14	14	9	0	0	0.0	0.0	.706E+01	102	0	0	14	0
					NOT CLR:	27	27	17	0	0	74.6	3.2	.371E+06	47	0	0	27	0
2/12/77 *	DDA	348	350	270	FLT TOT:	51	51	33	0	0	34.4	2.3	.285E+06	55	0	0	51	0
		30	37	22	IN CLR:	23	23	13	0	0	0.0	0.0	.241E+02	81	0	0	23	0
					NOT CLR:	28	28	20	0	0	62.7	4.1	.520E+06	39	0	0	28	0
2/19/77	DDA	380	390	269	FLT TOT:	43	43	27	0	0	0.0	0.0	.535E+01	54	0	0	0	0
		30	36	22	IN CLR:	43	43	27	0	0	0.0	0.0	.535E+01	54	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/20/77 *	DDA	346	350	252	FLT TOT:	49	49	15	0	0	1.0	.2	.121E+05	29	0	0	0	0
		30	37	22	IN CLR:	48	48	15	0	0	0.0	0.0	.251E+02	29	0	0	0	0
					NOT CLR:	1	1	0	0	0	47.5	9.0	.593E+06	0	0	0	0	0
2/ 7/79 *	CAB	344	352	271	FLT TOT:	52	52	33	30	4	17.3	2.6	.100E+06	49	82	94	52	0
		30	36	22	IN CLR:	22	22	15	14	1	0.0	0.0	.457E+03	56	77	105	22	0
					NOT CLR:	30	30	18	16	3	29.9	4.5	.174E+06	44	86	84	30	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																		
2/ 8/79 *	CAB	321	322	296	FLT TOT:	46	46	31	23	2	30.5	1.5	.487E+05	45	80	147	46	0
		30	37	22	IN CLR:	18	18	12	6	1	0.0	0.0	.923E+02	48	72	73	18	0
					NOT CLR:	28	28	19	17	1	50.2	2.5	.799E+05	43	82	173	28	0
2/17/79	CAB	327	330	272	FLT TOT:	43	43	27	24	8	18.5	.9	.401E+05	57	78	118	43	0
		30	37	22	IN CLR:	22	22	14	16	3	0.0	0.0	.932E+03	55	69	149	22	0
					NOT CLR:	21	21	13	8	5	37.8	1.9	.811E+05	58	96	57	21	0
2/18/79	CAB	365	371	292	FLT TOT:	40	40	23	14	9	10.1	2.5	.125E+05	33	92	42	40	0
		30	37	22	IN CLR:	9	9	3	5	3	0.0	0.0	.203E+04	47	96	46	9	0
					NOT CLR:	31	31	20	9	6	13.0	3.2	.155E+05	31	91	40	31	0
2/18/79 *	CAB	354	360	194	FLT TOT:	49	49	31	27	11	18.2	1.2	.456E+05	33	90	141	49	0
		30	37	22	IN CLR:	27	27	17	13	4	0.0	0.0	.658E+03	43	92	40	27	0
					NOT CLR:	22	22	14	14	7	40.5	2.6	.101E+06	21	88	235	22	0
2/19/79 *	CAB	358	360	295	FLT TOT:	60	60	39	34	10	19.8	.8	.372E+05	34	84	81	60	0
		31	37	22	IN CLR:	33	33	22	19	2	0.0	0.0	.436E+02	42	77	54	33	0
					NOT CLR:	27	27	17	15	8	44.1	1.7	.826E+05	23	92	115	27	0
2/19/79	CAB	362	370	254	FLT TOT:	34	34	21	15	13	13.3	1.4	.303E+05	35	96	67	34	0
		30	37	22	IN CLR:	12	12	7	7	5	0.0	0.0	.914E+03	59	92	49	12	0
					NOT CLR:	22	22	14	8	8	20.5	2.2	.464E+05	23	100	83	22	0
2/20/79 *	CAB	342	351	241	FLT TOT:	55	55	35	31	9	22.9	1.1	.532E+05	83	82	129	53	2
		30	36	22	IN CLR:	33	33	21	19	4	0.0	0.0	.110E+03	112	79	80	31	2
					NOT CLR:	22	22	14	12	5	57.2	2.6	.133E+06	38	88	206	22	0
2/23/79	CAB	366	385	199	FLT TOT:	42	42	27	14	8	11.2	.8	.307E+05	99	94	124	42	0
		30	37	22	IN CLR:	29	29	19	10	4	0.0	0.0	.100E+03	105	78	162	29	0
					NOT CLR:	13	13	8	4	4	36.2	2.5	.988E+05	84	100	30	13	0
2/27/79	CAB	357	360	299	FLT TOT:	45	45	28	24	6	0.0	0.0	.669E+02	86	76	52	45	0
		30	37	22	IN CLR:	45	45	28	24	6	0.0	0.0	.669E+02	86	76	52	45	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/28/79 *	CAB	375	390	287	FLT TOT:	51	51	33	26	10	.0	.0	.320E+03	111	90	64	48	3
		31	37	22	IN CLR:	50	50	32	26	10	0.0	0.0	.322E+03	112	90	64	47	3
					NOT CLR:	1	1	1	0	0	1.6	1.0	.252E+03	90	0	0	1	0
2/28/79	CAB	357	360	303	FLT TOT:	45	45	28	20	14	1.0	.2	.463E+03	98	95	58	45	0
		30	37	22	IN CLR:	41	41	26	18	13	0.0	0.0	.181E+03	100	98	61	41	0
					NOT CLR:	4	4	2	2	1	11.6	2.3	.335E+04	71	65	27	4	0
3/ 1/76 *	CAA	343	350	210	FLT TOT:	36	0	36	36	32	13.3	.9	0.	103	99	102	34	2
		30	37	22	IN CLR:	26	0	26	26	22	0.0	0.0	0.	128	99	88	24	2
					NOT CLR:	10	0	10	10	10	47.7	3.1	0.	38	100	138	10	0
3/28/76 *	BBA	343	351	250	FLT TOT:	30	0	30	0	0	1.1	.3	0.	95	0	0	30	0
		29	37	22	IN CLR:	26	0	26	0	0	0.0	0.0	0.	99	0	0	26	0
					NOT CLR:	4	0	4	0	0	8.3	2.5	0.	71	0	0	4	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLC EXTS		NUMBER OF OBS CLD PDS	OZ	H2O,H2S	AVERAGES FOR THE FLIGHT %TIC PATCHES		PDS	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																
3/ 3/79	CAB	362	380	186	FLT TOT:	49 49	30	28 12	0.0	0.0	.151E+03	154	90	127	45	4
		30	37	22	IN CLR:	49 49	30	28 12	0.0	0.0	.151E+03	154	90	127	45	4
					NOT CLR:	0 0	0	0 0	0.0	0.0	0.	0	0	0	0	0
3/ 5/79 *	CAB	364	370	209	FLT TOT:	50 50	31	22 1	.8	.1	.105E+04	78	48	70	50	0
		28	36	21	IN CLR:	46 46	29	21 0	0.0	0.0	.252E+03	78	46	71	46	0
					NOT CLR:	4 4	2	1 1	10.2	1.8	.102E+05	72	100	49	4	0
3/14/79	CAB	357	360	280	FLT TOT:	43 43	26	21 8	2.3	.2	.274E+04	96	83	26	34	9
		30	37	22	IN CLR:	38 38	24	21 8	0.0	0.0	.105E+04	96	83	26	29	9
					NOT CLR:	5 5	2	0 0	19.6	1.4	.156E+05	115	0	0	5	0
3/14/79 *	CAB	360	371	202	FLT TOT:	49 49	29	24 21	12.6	1.4	.562E+05	126	97	45	34	15
		30	37	22	IN CLR:	29 29	16	17 15	0.0	0.0	.109E+04	166	97	47	16	13
					NOT CLR:	20 20	13	7 6	30.9	3.4	.136E+06	78	99	40	18	2
3/19/79 *	CAB	355	370	308	FLT TOT:	6 4	3	4 3	0.0	0.0	.104E+04	187	87	112	3	3
		34	37	23	IN CLR:	6 4	3	4 3	0.0	0.0	.104E+04	187	87	112	3	3
					NOT CLR:	0 0	0	0 0	0.0	0.0	0.	0	0	0	0	0
3/30/79	CAB	368	381	201	FLT TOT:	44 44	28	24 8	3.5	.6	.124E+05	92	84	59	43	1
		30	37	22	IN CLR:	29 29	18	14 5	0.0	0.0	.944E+03	109	78	83	28	1
					NOT CLR:	15 15	10	10 3	10.2	1.9	.346E+05	61	93	24	15	0
4/ 2/76 *	CAA	371	390	215	FLT TOT:	34 0	34	33 23	4.4	.2	0.	187	90	52	34	0
		30	37	22	IN CLR:	28 0	28	27 17	0.0	0.0	0.	203	88	60	28	0
					NOT CLR:	6 0	6	6 6	24.8	1.3	0.	109	100	15	6	0
4/11/76 *	CAA	349	350	317	FLT TOT:	29 0	29	29 22	23.0	.8	0.	95	95	74	27	2
		30	37	22	IN CLR:	15 0	15	15 8	0.0	0.0	0.	123	90	70	13	2
					NOT CLR:	14 0	14	14 14	47.6	1.6	0.	65	100	78	14	0
4/17/76 *	CAA	363	390	211	FLT TOT:	30 0	30	4 4	0.0	0.0	0.	36	100	424	30	0
		30	37	22	IN CLR:	30 0	30	4 4	0.0	0.0	0.	36	100	424	30	0
					NOT CLR:	0 0	0	0 0	0.0	0.0	0.	0	0	0	0	0
4/22/76	CAA	359	370	210	FLT TOT:	33 0	33	33 24	1.7	.2	0.	102	91	88	33	0
		32	37	22	IN CLR:	27 0	27	27 18	0.0	0.0	0.	100	89	95	27	0
					NOT CLR:	6 0	6	6 6	9.4	1.3	0.	110	100	52	6	0
4/23/76 *	CAA	364	390	217	FLT TOT:	31 0	31	31 14	.1	.1	0.	98	81	76	31	0
		30	37	22	IN CLR:	29 0	29	29 12	0.0	0.0	0.	99	80	76	29	0
					NOT CLR:	2 0	2	2 2	1.8	1.5	0.	85	100	85	2	0
4/23/76	CAA	357	370	205	FLT TOT:	18 0	18	18 13	1.5	.6	0.	108	89	69	18	0
		27	32	22	IN CLR:	16 0	16	16 11	0.0	0.0	0.	108	87	72	16	0
					NOT CLR:	2 0	2	2 2	13.7	5.0	0.	110	100	49	2	0
4/27/76 *	BBA	344	352	213	FLT TOT:	34 0	34	0 0	.7	.1	0.	120	0	0	34	0
		30	37	22	IN CLR:	32 0	32	0 0	0.0	0.0	0.	122	0	0	32	0
					NOT CLR:	2 0	2	0 0	11.8	1.0	0.	94	0	0	2	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																			
4/27/76		CAA	359	370	211	FLT TOT:	29	0	29	28	13	0.0	0.0	0.	134	86	61	29	0
			30	37	22	IN CLR:	29	0	29	28	13	0.0	0.0	0.	134	86	61	29	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/28/76	*	CAA	344	350	211	FLT TOT:	48	0	29	0	0	.2	.1	0.	80	0	0	48	0
			30	37	22	IN CLR:	45	0	27	0	0	0.0	0.0	0.	79	0	0	45	0
						NOT CLR:	3	0	2	0	0	3.3	2.3	0.	91	0	0	3	0
5/ 9/79	*	BDB	329	331	275	FLT TOT:	49	49	0	23	1	.8	.4	.115E+05	0	49	93	49	0
			30	37	22	IN CLR:	41	41	0	21	1	0.0	0.0	.132E+04	0	44	89	41	0
						NOT CLR:	8	8	0	2	0	5.0	2.3	.636E+05	0	95	139	8	0
5/14/79		BDB	355	361	199	FLT TOT:	49	49	0	25	0	.2	.1	.128E+05	0	63	42	49	0
			30	37	22	IN CLR:	46	46	0	25	0	0.0	0.0	.100E+05	0	63	42	46	0
						NOT CLR:	3	3	0	0	0	2.5	1.7	.556E+05	0	0	0	3	0
5/15/79	*	BDB	346	350	212	FLT TOT:	46	46	0	24	0	.2	.2	.645E+04	0	59	68	46	0
			30	37	22	IN CLR:	44	44	0	23	0	0.0	0.0	.673E+04	0	58	69	44	0
						NOT CLR:	2	2	0	1	0	4.3	3.5	.228E+03	0	62	44	2	0
5/16/79		BDB	339	341	299	FLT TOT:	48	48	0	22	0	0.0	0.0	.405E+04	0	36	49	48	0
			30	37	22	IN CLR:	48	48	0	22	0	0.0	0.0	.405E+04	0	36	49	48	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/17/79	*	BDB	326	331	234	FLT TOT:	45	45	29	25	2	0.0	0.0	.404E+04	100	35	75	45	0
			30	37	22	IN CLR:	45	45	29	25	2	0.0	0.0	.404E+04	100	35	75	45	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/29/79	*	CAB	365	370	286	FLT TOT:	43	43	26	23	0	2.5	.2	.835E+04	65	42	35	43	0
			30	37	22	IN CLR:	37	37	22	19	0	0.0	0.0	.170E+04	66	42	26	37	0
						NOT CLR:	6	6	4	4	0	17.6	1.5	.494E+05	62	45	79	6	0
6/14/78	*	CAB	359	360	315	FLT TOT:	51	51	33	28	6	20.1	.7	.372E+05	71	81	60	51	0
			31	37	22	IN CLR:	27	27	17	14	0	0.0	0.0	.477E+04	62	78	52	27	0
						NOT CLR:	24	24	16	14	6	42.8	1.6	.736E+05	80	84	68	24	0
6/16/78		CAB	368	373	292	FLT TOT:	43	43	26	24	0	1.1	.2	.574E+04	242	69	48	43	0
			30	37	22	IN CLR:	37	37	23	23	0	0.0	0.0	.275E+04	262	68	47	37	0
						NOT CLR:	6	6	3	1	0	7.9	1.7	.241E+05	83	96	75	6	0
6/17/78	*	CAB	348	350	289	FLT TOT:	48	48	31	28	9	.0	.1	.164E+04	172	69	80	48	0
			31	38	22	IN CLR:	47	47	30	27	8	0.0	0.0	.167E+04	177	68	77	47	0
						NOT CLR:	1	1	1	1	1	1.2	3.0	.187E+03	34	100	173	1	0
6/17/78		CAB	365	370	285	FLT TOT:	43	43	27	23	0	0.0	0.0	.112E+04	233	61	42	43	0
			30	36	22	IN CLR:	43	43	27	23	0	0.0	0.0	.112E+04	233	61	42	43	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/19/78		CAB	367	371	297	FLT TOT:	43	43	28	24	3	.2	.1	.166E+04	104	78	47	43	0
			30	37	22	IN CLR:	41	41	27	23	2	0.0	0.0	.116E+04	105	77	47	41	0
						NOT CLR:	2	2	1	1	1	5.1	1.5	.118E+05	69	100	54	2	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																		
6/24/78	CAB	362	371	192	FLT TOT:	42	42	27	24	0	0.0	0.0	.157E+03	92	4	4	42	0
		30	37	22	IN CLR:	42	42	27	24	0	0.0	0.0	.157E+03	92	4	4	42	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/27/78 *	CAB	357	363	272	FLT TOT:	50	50	32	29	0	1.4	.2	.749E+03	93	37	59	50	0
		30	37	22	IN CLR:	46	46	31	29	0	0.0	0.0	.648E+03	94	37	59	46	0
					NOT CLR:	4	4	1	0	0	17.6	2.5	.191E+04	61	0	0	4	0
6/ 2/79 *	CAB	367	370	304	FLT TOT:	46	46	0	24	1	28.7	.1	.359E+05	0	40	27	46	0
		30	37	22	IN CLR:	23	23	0	12	1	0.0	0.0	.874E+04	0	45	29	23	0
					NOT CLR:	23	23	0	12	0	57.4	.2	.631E+05	0	36	25	23	0
6/ 7/79	CAB	356	360	291	FLT TOT:	43	43	0	23	1	2.7	.2	.666E+04	0	43	36	43	0
		30	37	22	IN CLR:	38	38	0	18	1	0.0	0.0	.405E+04	0	41	36	38	0
					NOT CLR:	5	5	0	5	0	23.5	2.0	.265E+05	0	49	35	5	0
6/ 8/79	CAB	365	381	287	FLT TOT:	42	42	0	21	0	0.0	0.0	.149E+04	0	60	40	42	0
		30	37	22	IN CLR:	42	42	0	21	0	0.0	0.0	.149E+04	0	60	40	42	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 8/79 *	CAB	366	371	297	FLT TOT:	50	50	0	28	1	.3	.1	.202E+04	0	34	25	50	0
		30	37	22	IN CLR:	47	47	0	26	0	0.0	0.0	.178E+04	0	30	22	47	0
					NOT CLR:	3	3	0	2	1	5.0	1.3	.576E+04	0	82	56	3	0
7/ 4/78	CAB	363	370	214	FLT TOT:	42	42	27	24	0	0.0	0.0	.638E+02	58	6	6	42	0
		30	37	22	IN CLR:	42	42	27	24	0	0.0	0.0	.638E+02	58	6	6	42	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 5/78 *	CAB	358	361	282	FLT TOT:	53	53	34	28	7	0.0	0.0	.704E+02	73	44	57	53	0
		30	37	22	IN CLR:	53	53	34	28	7	0.0	0.0	.704E+02	73	44	57	53	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/ 9/78	CAB	364	370	252	FLT TOT:	43	43	20	24	2	.2	.0	.109E+03	81	32	41	43	0
		32	38	23	IN CLR:	42	42	19	23	1	0.0	0.0	.100E+03	82	29	39	42	0
					NOT CLR:	1	1	1	1	1	8.6	1.0	.457E+03	57	100	81	1	0
7/ 9/78 *	CAB	364	390	254	FLT TOT:	50	50	32	27	0	0.0	0.0	.733E+02	63	30	48	50	0
		29	36	22	IN CLR:	50	50	32	27	0	0.0	0.0	.733E+02	63	30	48	50	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/10/78	CAB	369	390	295	FLT TOT:	44	44	27	24	0	0.0	0.0	.293E+02	69	17	20	44	0
		30	37	22	IN CLR:	44	44	27	24	0	0.0	0.0	.293E+02	69	17	20	44	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/14/78 *	CAB	358	361	290	FLT TOT:	52	52	33	31	0	0.0	0.0	.308E+02	72	23	26	52	0
		30	37	22	IN CLR:	52	52	33	31	0	0.0	0.0	.308E+02	72	23	26	52	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/16/78 *	CAB	356	361	241	FLT TOT:	51	51	24	30	0	0.0	0.0	.387E+02	72	30	43	51	0
		30	37	22	IN CLR:	51	51	24	30	0	0.0	0.0	.387E+02	72	30	43	51	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																		
7/16/78	CAB	366	370	288	FLT TOT:	42	42	25	23	0	.0	.0	.249E+02	65	35	34	42	0
		30	37	22	IN CLR:	40	40	25	23	0	0.0	0.0	.245E+02	65	35	34	40	0
					NOT CLR:	2	2	0	0	0	.4	1.0	.330E+02	0	0	0	2	0
7/21/78	CAB	363	370	200	FLT TOT:	46	46	29	26	0	.1	.0	.972E+01	51	22	38	46	0
		30	37	22	IN CLR:	45	45	29	26	0	0.0	0.0	.994E+01	51	22	38	45	0
					NOT CLR:	1	1	0	0	0	2.7	1.0	0.	0	0	0	1	0
7/22/78 *	CAB	354	361	192	FLT TOT:	48	48	31	23	0	0.0	0.0	.244E+02	50	24	37	48	0
		30	37	22	IN CLR:	48	48	31	23	0	0.0	0.0	.244E+02	50	24	37	48	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/19/76 *	DDA	348	350	271	FLT TOT:	47	0	0	0	0	0.0	0.0	0.	0	0	0	47	0
		30	37	22	IN CLR:	47	0	0	0	0	0.0	0.0	0.	0	0	0	47	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/26/76	DDA	325	330	196	FLT TOT:	43	0	0	0	0	10.1	.7	0.	0	0	0	43	0
		30	37	22	IN CLR:	34	0	0	0	0	0.0	0.0	0.	0	0	0	34	0
					NOT CLR:	9	0	0	0	0	48.3	3.4	0.	0	0	0	9	0
11/27/76 *	DDA	347	350	271	FLT TOT:	44	0	0	0	0	12.4	.9	0.	0	0	0	44	0
		30	37	22	IN CLR:	29	0	0	0	0	0.0	0.0	0.	0	0	0	29	0
					NOT CLR:	15	0	0	0	0	36.5	2.7	0.	0	0	0	15	0
12/26/75 *	CAA	322	350	225	FLT TOT:	31	0	31	0	0	4.1	.7	0.	28	0	0	31	0
		30	37	22	IN CLR:	22	0	22	0	0	0.0	0.0	0.	27	0	0	22	0
					NOT CLR:	9	0	9	0	0	14.3	2.6	0.	30	0	0	9	0
12/28/75	CAA	364	371	216	FLT TOT:	29	0	29	0	0	3.7	.2	0.	38	0	0	29	0
		30	36	22	IN CLR:	26	0	26	0	0	0.0	0.0	0.	38	0	0	26	0
					NOT CLR:	3	0	3	0	0	35.6	2.0	0.	33	0	0	3	0
12/30/75 *	CAA	344	350	210	FLT TOT:	31	0	31	0	0	5.9	.5	0.	39	0	0	0	0
		32	38	23	IN CLR:	25	0	25	0	0	0.0	0.0	0.	38	0	0	0	0
					NOT CLR:	6	0	6	0	0	30.6	2.8	0.	43	0	0	0	0
12/ 2/76	DDA	326	330	217	FLT TOT:	46	0	0	0	0	18.4	1.3	0.	0	0	0	46	0
		30	37	22	IN CLR:	30	0	0	0	0	0.0	0.0	0.	0	0	0	30	0
					NOT CLR:	16	0	0	0	0	52.9	3.6	0.	0	0	0	16	0
12/ 3/76 *	DDA	347	350	285	FLT TOT:	48	0	0	0	0	16.5	.9	0.	0	0	0	48	0
		30	37	22	IN CLR:	34	0	0	0	0	0.0	0.0	0.	0	0	0	34	0
					NOT CLR:	14	0	0	0	0	56.5	3.1	0.	0	0	0	14	0
12/13/76	DDA	302	332	244	FLT TOT:	45	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
		30	37	22	IN CLR:	45	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/14/76 *	DDA	357	360	271	FLT TOT:	49	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
		30	37	22	IN CLR:	49	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
HNL-SFO (CONT.)																		
12/16/76 *	DDA	281	319	257	FLT TOT:	47	0	0	0	0	5.5	.6	0.	0	0	0	0	0
		31	37	22	IN CLR:	42	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	5	0	0	0	0	52.0	5.4	0.	0	0	0	0	0
12/16/76	DDA	325	330	207	FLT TOT:	39	0	0	0	0	7.5	1.3	0.	0	0	0	0	0
		30	37	22	IN CLR:	31	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	8	0	0	0	0	36.6	6.5	0.	0	0	0	0	0
12/23/76	DDA	327	330	259	FLT TOT:	46	0	0	0	0	14.3	1.5	0.	0	0	0	46	0
		30	37	22	IN CLR:	30	0	0	0	0	0.0	0.0	0.	0	0	0	30	0
					NOT CLR:	16	0	0	0	0	41.3	4.4	0.	0	0	0	16	0
12/24/76 *	DDA	346	350	254	FLT TOT:	50	0	0	0	0	18.6	1.8	0.	0	0	0	50	0
		30	37	22	IN CLR:	35	0	0	0	0	0.0	0.0	0.	0	0	0	35	0
					NOT CLR:	15	0	0	0	0	62.1	6.1	0.	0	0	0	15	0
12/25/76	DDA	329	330	269	FLT TOT:	46	0	0	0	0	27.9	1.6	0.	0	0	0	46	0
		30	37	22	IN CLR:	23	0	0	0	0	0.0	0.0	0.	0	0	0	23	0
					NOT CLR:	23	0	0	0	0	55.8	3.1	0.	0	0	0	23	0
12/26/76 *	DDA	348	350	275	FLT TOT:	46	0	0	0	0	25.2	1.3	0.	0	0	0	46	0
		30	36	22	IN CLR:	22	0	0	0	0	0.0	0.0	0.	0	0	0	22	0
					NOT CLR:	24	0	0	0	0	48.4	2.6	0.	0	0	0	24	0
12/28/78 *	BBB	348	361	219	FLT TOT:	46	46	24	24	0	4.6	.5	.246E+05	102	17	37	0	0
		30	37	22	IN CLR:	41	41	24	24	0	0.0	0.0	.467E+01	102	17	37	0	0
					NOT CLR:	5	5	0	0	0	42.7	4.8	.226E+06	0	0	0	0	0
12/29/78	BBB	334	341	219	FLT TOT:	40	40	26	22	13	16.1	3.2	.472E+05	48	83	101	0	0
		31	37	22	IN CLR:	12	12	7	6	0	0.0	0.0	.155E+04	65	48	29	0	0
					NOT CLR:	28	28	19	16	13	23.0	4.5	.667E+05	42	97	129	0	0
12/30/78 *	BBB	358	361	273	FLT TOT:	57	57	37	35	14	15.0	2.2	.491E+05	35	78	71	0	0
		30	37	22	IN CLR:	32	32	23	19	4	0.0	0.0	.426E+03	37	65	79	0	0
					NOT CLR:	25	25	14	16	10	34.3	4.9	.111E+06	32	93	62	0	0
12/31/79	BDB	362	391	227	FLT TOT:	33	23	17	19	4	13.5	.8	.277E+01	77	49	92	22	11
		29	37	22	IN CLR:	25	22	15	13	0	0.0	0.0	.290E+01	83	32	117	14	11
					NOT CLR:	8	1	2	6	4	55.5	3.3	0.	29	86	37	8	0
IAD-LHR																		
6/ 6/79 *	BDB	337	351	260	FLT TOT:	79	79	50	37	6	7.5	1.1	.879E+05	148	71	72	71	8
		48	52	40	IN CLR:	56	56	36	28	4	0.0	0.0	.135E+05	177	64	64	48	8
					NOT CLR:	23	23	14	9	2	25.8	3.8	.269E+06	73	93	99	23	0
6/ 7/79	BDB	348	370	285	FLT TOT:	68	68	45	34	2	.8	.4	.187E+05	207	55	49	42	26
		49	53	40	IN CLR:	57	57	39	31	1	0.0	0.0	.431E+04	228	52	46	31	26
					NOT CLR:	11	11	6	3	1	4.7	2.4	.934E+05	69	88	79	11	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
IAD-LHR (CONT.)																			
9/10/76		BBA	346	349	252	FLT TOT:	63	0	39	0	0	0.0	0.0	0.	85	0	0	53	10
			49	53	40	IN CLR:	63	0	39	0	0	0.0	0.0	0.	85	0	0	53	10
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/13/76		BBA	332	340	253	FLT TOT:	67	0	40	0	0	0.0	0.0	0.	81	0	0	67	0
			49	52	40	IN CLR:	67	0	40	0	0	0.0	0.0	0.	81	0	0	67	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/13/76	*	BBA	369	390	272	FLT TOT:	69	0	46	0	0	0.0	0.0	0.	106	0	0	47	22
			51	54	40	IN CLR:	69	0	46	0	0	0.0	0.0	0.	108	0	0	47	22
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/17/76	*	BBA	341	370	254	FLT TOT:	74	0	48	0	0	.0	.0	0.	92	0	0	54	20
			53	58	40	IN CLR:	72	0	46	0	0	0.0	0.0	0.	93	0	0	52	20
						NOT CLR:	2	0	2	0	0	.6	1.0	0.	80	0	0	2	0
9/24/76	*	BBA	358	369	267	FLT TOT:	80	0	51	0	0	0.0	0.0	0.	83	0	0	0	0
			48	52	40	IN CLR:	80	0	51	0	0	0.0	0.0	0.	83	0	0	0	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/24/76		BBA	351	390	249	FLT TOT:	68	0	43	0	0	0.0	0.0	0.	85	0	0	0	0
			49	53	40	IN CLR:	68	0	43	0	0	0.0	0.0	0.	85	0	0	0	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/30/78	*	BBB	322	370	255	FLT TOT:	80	80	52	0	0	4.9	.8	.117E+05	67	0	0	80	0
			47	52	41	IN CLR:	60	60	38	0	0	0.0	0.0	.120E+03	72	0	0	60	0
						NOT CLR:	20	20	14	0	0	19.5	3.0	.463E+05	54	0	0	20	0
10/ 1/78		BBB	320	331	253	FLT TOT:	68	68	44	0	0	4.4	.4	.252E+04	70	0	0	68	0
			49	53	40	IN CLR:	58	58	37	0	0	0.0	0.0	.295E+02	71	0	0	58	0
						NOT CLR:	10	10	7	0	0	29.9	2.6	.170E+05	65	0	0	10	0
10/ 6/78	*	BBB	337	392	239	FLT TOT:	76	76	52	0	0	13.0	.9	.341E+05	82	0	0	74	2
			49	52	40	IN CLR:	51	51	36	0	0	0.0	0.0	.273E+03	92	0	0	49	2
						NOT CLR:	25	25	16	0	0	39.7	2.6	.103E+06	61	0	0	25	0
10/ 7/78	*	BBB	338	370	208	FLT TOT:	75	75	48	0	0	7.9	.6	.576E+05	115	0	0	56	19
			49	53	40	IN CLR:	60	60	37	0	0	0.0	0.0	.711E+02	131	0	0	41	19
						NOT CLR:	15	15	11	0	0	39.6	3.1	.288E+06	61	0	0	15	0
10/ 7/78		BBB	338	350	256	FLT TOT:	64	64	43	0	0	11.3	.6	.375E+05	106	0	0	51	13
			49	53	40	IN CLR:	51	51	33	0	0	0.0	0.0	.155E+03	120	0	0	38	13
						NOT CLR:	13	13	10	0	0	55.6	2.8	.184E+06	59	0	0	13	0
11/22/77	*	BCB	365	390	249	FLT TOT:	75	75	50	0	0	19.3	0.0	.628E+05	105	0	0	61	14
			49	52	40	IN CLR:	31	31	20	0	0	0.0	0.0	.361E+03	149	0	0	17	14
						NOT CLR:	44	44	30	0	0	33.0	0.0	.107E+06	75	0	0	44	0
11/23/77		BCB	359	371	276	FLT TOT:	61	61	41	0	0	17.9	0.0	.430E+05	102	0	0	41	20
			50	54	40	IN CLR:	40	40	26	0	0	0.0	0.0	.210E+02	134	0	0	20	20
						NOT CLR:	21	21	15	0	0	52.1	0.0	.125E+06	46	0	0	21	0

DEP-ARR IM/ID/IY	CODE	AVFL EXHI EXLO ALAT EXTN EXTS				NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
IAD-LHR (CONT.)																		
11/16/78 *	BBB	308	310	262	FLT TOT:	85	85	57	46	1	4.2	.3	.993E+04	148	37	28	50	35
		55	61	40	IN CLR:	79	79	53	43	0	0.0	0.0	.319E+02	156	34	21	44	35
					NOT CLR:	6	6	4	3	1	59.6	3.7	.140E+06	34	85	132	6	0
11/17/78	BBB	328	331	254	FLT TOT:	62	62	40	33	10	18.9	.9	.877E+05	134	47	48	43	19
		48	52	40	IN CLR:	43	43	29	23	0	0.0	0.0	.119E+02	173	23	21	24	19
					NOT CLR:	19	19	11	10	10	61.7	2.9	.286E+06	30	100	110	19	0
12/15/78 *	BBB	332	350	252	FLT TOT:	77	77	50	40	6	14.5	.6	.723E+05	158	48	29	29	46
		53	57	40	IN CLR:	60	60	39	33	0	0.0	0.0	.132E+02	187	39	26	22	36
					NOT CLR:	17	17	11	7	6	65.6	2.6	.327E+06	56	93	43	7	10
12/16/78	BBB	316	330	257	FLT TOT:	64	64	39	30	11	15.6	.6	.453E+05	92	63	42	0	0
		49	53	40	IN CLR:	43	43	26	18	0	0.0	0.0	.754E+01	112	39	28	0	0
					NOT CLR:	21	21	13	12	11	47.4	1.8	.138E+06	53	99	62	0	0
IAH-JFK																		
2/15/79	BBB	360	370	276	FLT TOT:	22	0	16	12	0	25.8	2.2	0.	46	64	43	22	0
		35	39	30	IN CLR:	6	0	6	5	0	0.0	0.0	0.	62	37	34	6	0
					NOT CLR:	16	0	10	7	0	35.5	3.1	0.	36	84	50	16	0
2/15/79 *	BBB	362	390	301	FLT TOT:	28	0	17	16	1	4.2	.1	0.	70	28	26	23	5
		36	40	31	IN CLR:	26	0	16	15	0	0.0	0.0	0.	69	23	21	22	4
					NOT CLR:	2	0	1	1	1	59.2	1.5	0.	99	100	103	1	1
3/ 8/79	BBB	357	371	298	FLT TOT:	8	0	3	0	0	0.0	0.0	0.	122	0	0	1	7
		32	39	30	IN CLR:	8	0	3	0	0	0.0	0.0	0.	122	0	0	1	7
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 8/79 *	BBB	363	390	232	FLT TOT:	8	0	3	3	0	0.0	0.0	0.	555	23	33	1	7
		38	40	31	IN CLR:	8	0	3	3	0	0.0	0.0	0.	555	23	33	1	7
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/28/79 *	BDB	374	391	216	FLT TOT:	30	30	19	10	0	26.2	3.4	.731E+06	195	50	24	19	11
		35	40	30	IN CLR:	15	15	8	9	0	0.0	0.0	.513E+04	292	49	25	5	10
					NOT CLR:	15	15	11	1	0	52.4	6.8	.146E+07	125	54	18	14	1
5/29/79	BDB	355	371	213	FLT TOT:	25	25	15	0	0	17.2	2.5	.402E+06	154	0	0	25	0
		35	40	31	IN CLR:	13	13	9	0	0	0.0	0.0	.408E+04	178	0	0	13	0
					NOT CLR:	12	12	6	0	0	35.8	5.2	.833E+06	118	0	0	12	0
10/12/78 *	BBB	379	391	231	FLT TOT:	28	28	17	0	0	0.0	0.0	.203E+03	89	0	0	28	0
		36	40	31	IN CLR:	28	28	17	0	0	0.0	0.0	.203E+03	89	0	0	28	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/16/78 *	BBB	345	351	274	FLT TOT:	30	30	18	0	0	.0	.0	.177E+02	166	0	0	17	13
		37	40	30	IN CLR:	29	29	17	0	0	0.0	0.0	.193E+02	173	0	0	16	13
					NOT CLR:	1	1	1	0	0	.4	1.0	0.	44	0	0	1	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
IAH-JFK (CONT.)																		
10/17/78	BBB	359	371	237	FLT TOT:	25	25	16	0	0	.1	.1	.159E+02	92	0	0	22	3
		35	39	30	IN CLR:	24	24	16	0	0	0.0	0.0	.165E+02	92	0	0	21	3
					NOT CLR:	1	1	0	0	0	2.7	2.0	0.	0	0	0	1	0
11/ 1/78	BBB	360	370	256	FLT TOT:	26	26	17	12	0	0.0	0.0	.249E+01	151	26	38	26	0
		35	39	30	IN CLR:	26	26	17	12	0	0.0	0.0	.249E+01	151	26	38	26	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/ 1/78 *	BBB	380	390	255	FLT TOT:	27	27	17	14	0	0.0	0.0	.974E+01	76	35	21	27	0
		35	40	30	IN CLR:	27	27	17	14	0	0.0	0.0	.974E+01	76	35	21	27	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
IAH-MEX																		
2/15/79	BBB	374	390	269	FLT TOT:	15	0	1	8	1	7.2	1.0	0.	23	58	53	15	0
		25	29	20	IN CLR:	12	0	0	6	1	0.0	0.0	0.	0	65	34	12	0
					NOT CLR:	3	0	1	2	0	36.1	5.0	0.	23	37	110	3	0
2/15/79 *	BBB	389	410	302	FLT TOT:	12	0	8	6	2	.5	.2	0.	84	47	52	12	0
		25	29	21	IN CLR:	11	0	7	5	2	0.0	0.0	0.	89	55	56	11	0
					NOT CLR:	1	0	1	1	0	5.9	2.0	0.	47	12	33	1	0
3/ 8/79	BBB	371	391	252	FLT TOT:	7	0	3	3	1	.1	.1	0.	156	71	48	6	1
		25	27	21	IN CLR:	6	0	3	3	1	0.0	0.0	0.	156	71	48	5	1
					NOT CLR:	1	0	0	0	0	.4	1.0	0.	0	0	0	1	0
3/ 8/79 *	BBB	351	370	222	FLT TOT:	8	0	3	3	0	0.0	0.0	0.	62	49	88	8	0
		24	29	21	IN CLR:	8	0	3	3	0	0.0	0.0	0.	62	49	88	8	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/29/79 *	BDB	355	370	216	FLT TOT:	19	19	10	7	0	0.0	0.0	.508E+03	68	39	40	19	0
		27	30	21	IN CLR:	19	19	10	7	0	0.0	0.0	.508E+03	68	39	40	19	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/29/79	BDB	338	351	206	FLT TOT:	13	13	9	5	0	.5	.4	.916E+02	50	28	137	13	0
		24	28	20	IN CLR:	12	12	8	4	0	0.0	0.0	.620E+02	50	32	72	12	0
					NOT CLR:	1	1	1	1	0	6.3	5.0	.447E+03	47	13	394	1	0
IAH-SFO																		
10/13/78	BBB	378	390	240	FLT TOT:	35	33	22	0	0	0.0	0.0	.170E+02	74	0	0	35	0
		33	38	30	IN CLR:	35	35	22	0	0	0.0	0.0	.170E+02	74	0	0	35	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
IST-KHI																		
4/19/76	BBA	344	371	212	FLT TOT:	34	0	34	0	0	14.9	1.8	0.	170	0	0	32	2
		35	40	26	IN CLR:	19	0	19	0	0	0.0	0.0	0.	168	0	0	18	1
					NOT CLR:	15	0	15	0	0	33.9	4.1	0.	174	0	0	14	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
IST-THR																		
1/24/76 *	BBA	297	310	215	FLT TOT:	12	0	12	0	0	0.0	0.0	0.	76	0	0	12	0
		38	41	36	IN CLR:	12	0	12	0	0	0.0	0.0	0.	76	0	0	12	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/ 7/79 *	BBB	320	350	241	FLT TOT:	30	0	19	18	1	.5	.2	0.	106	50	33	30	0
		39	41	36	IN CLR:	28	0	19	18	1	0.0	0.0	0.	106	50	33	28	0
					NOT CLR:	2	0	0	0	0	6.9	3.0	0.	0	0	0	2	0
2/25/79 *	BBB	345	381	281	FLT TOT:	25	0	16	14	0	0.0	0.0	0.	277	22	19	16	9
		39	40	36	IN CLR:	25	0	16	14	0	0.0	0.0	0.	277	22	19	16	9
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/20/76 *	BBA	334	351	212	FLT TOT:	16	0	16	0	0	0.0	0.0	0.	290	0	0	8	8
		39	40	36	IN CLR:	16	0	16	0	0	0.0	0.0	0.	290	0	0	8	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/23/76	BBA	283	291	209	FLT TOT:	16	0	16	0	0	0.0	0.0	0.	82	0	0	16	0
		38	41	36	IN CLR:	16	0	16	0	0	0.0	0.0	0.	82	0	0	16	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/16/79	BBB	289	291	247	FLT TOT:	23	0	15	10	0	0.0	0.0	0.	53	22	51	23	0
		38	40	36	IN CLR:	23	0	15	10	0	0.0	0.0	0.	53	22	51	23	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/17/79 *	BBB	310	310	307	FLT TOT:	24	0	0	13	0	5.9	.6	0.	0	38	52	24	0
		39	40	37	IN CLR:	18	0	0	11	0	0.0	0.0	0.	0	36	50	18	0
					NOT CLR:	6	0	0	2	0	23.8	2.5	0.	0	51	65	6	0
11/22/78	BBB	340	370	230	FLT TOT:	24	24	16	15	0	0.0	0.0	.140E+02	106	27	47	6	18
		39	40	36	IN CLR:	24	24	16	15	0	0.0	0.0	.140E+02	106	27	47	6	18
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/23/78 *	BBB	308	310	281	FLT TOT:	25	25	17	13	1	0.0	0.0	.105E+02	64	32	29	25	0
		39	40	36	IN CLR:	25	25	17	13	1	0.0	0.0	.105E+02	64	32	29	25	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/25/78	BBB	314	329	250	FLT TOT:	24	24	16	10	1	0.0	0.0	.136E+02	47	31	47	24	0
		38	40	36	IN CLR:	24	24	16	10	1	0.0	0.0	.136E+02	47	31	47	24	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/26/78 *	BBB	325	350	272	FLT TOT:	22	22	14	10	1	0.0	0.0	.120E+02	77	40	24	22	0
		39	40	36	IN CLR:	22	22	14	10	1	0.0	0.0	.120E+02	77	40	24	22	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/28/78	BBB	350	370	234	FLT TOT:	21	21	14	11	0	6.6	.8	.681E+05	131	23	11	21	0
		38	40	36	IN CLR:	19	19	13	10	0	0.0	0.0	.697E+01	136	20	8	19	0
					NOT CLR:	2	2	1	1	0	69.6	8.5	.715E+06	59	57	39	2	0
11/29/78 *	BBB	339	352	199	FLT TOT:	27	27	16	12	5	15.6	1.6	.517E+05	93	94	38	27	0
		39	41	36	IN CLR:	18	18	11	9	2	0.0	0.0	.336E+02	113	92	34	18	0
					NOT CLR:	9	9	5	3	3	46.7	4.9	.155E+06	51	100	49	9	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
IST-THR (CONT.)																		
12/17/78	BBB	287	291	257	FLT TOT:	19	19	10	8	3	5.0	.9	.627E+04	43	75	170	0	0
		39	40	36	IN CLR:	13	13	7	6	1	0.0	0.0	.189E+04	49	67	139	0	0
					NOT CLR:	6	6	3	2	2	15.8	3.0	.158E+05	30	100	264	0	0
12/18/78 *	BBB	346	351	277	FLT TOT:	26	26	14	15	4	10.2	1.8	.326E+05	60	64	29	0	0
		39	40	36	IN CLR:	17	17	10	9	0	0.0	0.0	.785E+01	62	51	25	0	0
					NOT CLR:	9	9	4	6	4	29.6	5.2	.941E+05	54	83	34	0	0
12/20/78	BBB	346	371	216	FLT TOT:	22	22	14	12	0	0.0	0.0	.615E+01	84	58	63	0	0
		38	40	36	IN CLR:	22	22	14	12	0	0.0	0.0	.615E+01	84	58	63	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/23/78	BBB	324	331	258	FLT TOT:	22	22	0	9	0	3.5	.7	.315E+05	0	54	33	0	0
		38	40	36	IN CLR:	18	18	0	9	0	0.0	0.0	.409E+03	0	54	33	0	0
					NOT CLR:	4	4	0	0	0	19.4	4.0	.171E+06	0	0	0	0	0
12/24/78 *	BBB	358	390	280	FLT TOT:	22	22	0	14	1	14.8	.6	.362E+05	0	49	25	0	0
		39	40	36	IN CLR:	18	18	0	11	1	0.0	0.0	0.	0	45	26	0	0
					NOT CLR:	4	4	0	3	0	81.2	3.5	.199E+06	0	64	22	0	0
ITO-LAX																		
2/12/76 *	CAA	340	350	212	FLT TOT:	26	0	26	0	0	.4	.2	0.	58	0	0	25	1
		28	34	21	IN CLR:	24	0	24	0	0	0.0	0.0	0.	59	0	0	23	1
					NOT CLR:	2	0	2	0	0	5.5	2.0	0.	44	0	0	2	0
2/13/76	CAA	346	371	200	FLT TOT:	28	0	28	0	0	0.0	0.0	0.	55	0	0	25	3
		28	34	21	IN CLR:	28	0	28	0	0	0.0	0.0	0.	55	0	0	25	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/14/76 *	CAA	377	393	201	FLT TOT:	29	0	29	0	0	0.0	0.0	0.	187	0	0	20	9
		29	34	21	IN CLR:	29	0	29	0	0	0.0	0.0	0.	187	0	0	20	9
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/15/76	CAA	354	391	211	FLT TOT:	28	0	28	0	0	0.0	0.0	0.	184	0	0	25	3
		27	34	20	IN CLR:	28	0	28	0	0	0.0	0.0	0.	184	0	0	25	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 7/76 *	CAA	382	390	214	FLT TOT:	27	0	27	27	4	0.0	0.0	0.	174	45	48	21	6
		29	35	23	IN CLR:	27	0	27	27	4	0.0	0.0	0.	174	45	48	21	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 8/79	CAB	348	360	264	FLT TOT:	37	37	20	18	13	.3	.0	.126E+04	129	93	167	37	0
		28	34	21	IN CLR:	36	36	20	17	13	0.0	0.0	.142E+03	129	98	172	36	0
					NOT CLR:	1	1	0	1	0	11.0	1.0	.415E+05	0	19	84	1	0
3/26/79	CAB	369	380	268	FLT TOT:	42	42	26	9	8	3.5	.9	.255E+05	109	99	82	20	22
		28	34	22	IN CLR:	27	27	18	7	6	0.0	0.0	.433E+03	143	99	54	8	19
					NOT CLR:	15	15	8	2	2	9.9	2.5	.706E+05	33	100	184	12	3

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
ITO-LAX (CONT.)																		
3/29/79	CAB	370	381	244	FLT TOT:	41	41	25	22	17	22.8	.8	.771E+05	126	95	45	32	9
		28	34	22	IN CLR:	26	26	18	14	9	0.0	0.0	.190E+04	163	92	47	21	5
					NOT CLR:	15	15	7	8	8	62.4	2.1	.207E+06	32	100	40	11	4
4/30/76 *	CAA	342	350	213	FLT TOT:	43	0	28	35	28	4.9	.6	0.	114	96	129	43	0
		28	33	20	IN CLR:	34	0	21	28	21	0.0	0.0	0.	116	95	103	34	0
					NOT CLR:	9	0	7	7	7	23.6	2.9	0.	107	100	235	9	0
5/ 1/76	CAA	370	389	208	FLT TOT:	40	0	24	33	28	12.6	.8	0.	115	96	74	40	0
		27	34	20	IN CLR:	28	0	18	23	18	0.0	0.0	0.	122	94	61	28	0
					NOT CLR:	12	0	6	10	10	41.9	2.5	0.	95	100	102	12	0
5/ 2/76 *	CAA	382	390	211	FLT TOT:	51	0	16	42	30	11.8	.7	0.	175	86	64	51	0
		28	34	20	IN CLR:	34	0	12	28	16	0.0	0.0	0.	206	78	60	34	0
					NOT CLR:	17	0	4	14	14	35.5	2.2	0.	82	100	71	17	0
5/ 3/76	CAA	358	370	206	FLT TOT:	49	0	32	40	30	4.1	.4	0.	140	86	61	49	0
		27	33	20	IN CLR:	41	0	29	35	25	0.0	0.0	0.	148	84	83	41	0
					NOT CLR:	8	0	3	5	5	25.3	2.8	0.	65	100	63	8	0
6/23/78	CAB	366	371	283	FLT TOT:	44	44	27	24	0	.3	.1	.572E+02	89	52	42	44	0
		28	34	22	IN CLR:	41	41	25	22	0	0.0	0.0	.521E+02	92	52	38	41	0
					NOT CLR:	3	3	2	2	0	4.7	1.0	.126E+03	54	58	85	3	0
7/20/78	CAB	347	371	194	FLT TOT:	46	46	30	26	0	0.0	0.0	.136E+02	58	3	8	46	0
		28	34	22	IN CLR:	46	46	30	26	0	0.0	0.0	.136E+02	58	3	8	46	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
ITO-ORD																		
2/ 7/76	CAA	355	371	204	FLT TOT:	61	0	61	0	0	2.2	.3	0.	153	0	0	27	34
		31	41	20	IN CLR:	55	0	55	0	0	0.0	0.0	0.	167	0	0	21	34
					NOT CLR:	6	0	6	0	0	22.0	3.2	0.	23	0	0	6	0
5/ 8/76	CAA	354	370	206	FLT TOT:	79	0	32	0	0	1.5	.3	0.	94	0	0	79	0
		33	41	21	IN CLR:	70	0	26	0	0	0.0	0.0	0.	98	0	0	70	0
					NOT CLR:	9	0	6	0	0	13.2	2.4	0.	76	0	0	9	0
6/21/78	CAB	358	390	268	FLT TOT:	75	75	49	41	0	0.0	0.0	.355E+03	107	53	50	69	6
		34	43	22	IN CLR:	75	75	49	41	0	0.0	0.0	.355E+03	107	53	50	69	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/29/78	CAB	347	371	234	FLT TOT:	79	79	51	44	1	1.8	.2	.796E+04	73	41	65	79	0
		33	41	22	IN CLR:	74	74	49	43	1	0.0	0.0	.213E+03	73	40	65	74	0
					NOT CLR:	5	5	2	1	0	29.0	3.0	.123E+06	77	76	76	5	0
7/ 3/78	CAB	347	371	216	FLT TOT:	77	77	50	45	8	.2	.1	.901E+02	67	44	84	77	0
		33	41	22	IN CLR:	74	74	49	44	7	0.0	0.0	.801E+02	68	43	81	74	0
					NOT CLR:	3	3	1	1	1	5.2	1.3	.337E+03	19	100	208	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
ITO-ORD (CONT.)																		
7/18/78	CAB	347	371	252	FLT TOT:	79	79	51	45	11	2.8	.2	.562E+04	68	54	144	79	0
		35	41	23	IN CLR:	72	72	47	41	11	0.0	0.0	.297E+02	66	63	150	72	0
					NOT CLR:	7	7	4	4	0	31.6	2.0	.631E+05	93	77	82	7	0
JFK-JFK																		
4/ 6/77	AAA	383	431	255	FLT TOT:	19	0	0	0	0	0.0	0.0	0.	0	0	0	4	15
		45	48	42	IN CLR:	19	0	0	0	0	0.0	0.0	0.	0	0	0	4	15
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
JFK-LAS																		
2/12/79	CAB	364	391	204	FLT TOT:	52	52	34	29	8	19.0	.7	.779E+05	144	82	75	34	18
		39	40	36	IN CLR:	35	35	23	19	2	0.0	0.0	.434E+02	136	78	26	18	17
					NOT CLR:	17	17	11	10	6	58.2	2.0	.238E+06	58	89	170	16	1
JFK-LAX																		
1/31/76 *	CAA	362	370	208	FLT TOT:	36	0	36	31	21	25.2	.9	0.	157	79	34	21	15
		40	42	35	IN CLR:	21	0	21	18	8	0.0	0.0	0.	246	64	43	6	15
					NOT CLR:	15	0	15	13	13	60.5	2.3	0.	33	100	20	15	0
2/ 3/76 *	CAA	355	370	200	FLT TOT:	34	0	34	28	17	1.5	.3	0.	118	36	48	21	13
		40	42	34	IN CLR:	31	0	31	25	15	0.0	0.0	0.	122	86	42	19	12
					NOT CLR:	3	0	3	3	2	16.7	3.7	0.	81	83	103	2	1
2/ 4/76	CAA	368	390	211	FLT TOT:	42	0	42	37	21	1.1	.2	0.	113	69	41	25	17
		37	40	34	IN CLR:	37	0	37	33	17	0.0	0.0	0.	119	65	42	20	17
					NOT CLR:	5	0	5	4	4	9.3	1.4	0.	65	100	39	5	0
2/24/76 *	CAA	380	410	214	FLT TOT:	31	0	31	30	15	.0	.0	0.	152	87	74	5	26
		39	42	34	IN CLR:	30	0	30	29	14	0.0	0.0	0.	157	87	75	4	26
					NOT CLR:	1	0	1	1	1	.4	1.0	0.	0	100	43	1	0
2/25/76	CAA	374	390	208	FLT TOT:	36	0	36	33	26	.0	.0	0.	180	96	45	14	22
		39	41	34	IN CLR:	35	0	35	32	25	0.0	0.0	0.	184	96	46	13	22
					NOT CLR:	1	0	1	1	1	1.2	1.0	0.	39	100	21	1	0
2/28/76	CAA	359	390	213	FLT TOT:	37	0	37	37	31	4.2	.5	0.	75	97	64	37	0
		38	40	34	IN CLR:	28	0	28	28	22	0.0	0.0	0.	79	96	75	28	0
					NOT CLR:	9	0	9	9	9	17.4	2.0	0.	63	100	31	9	0
2/ 8/79 *	CAB	332	371	195	FLT TOT:	9	9	4	2	0	11.3	1.3	.193E+05	47	79	194	9	0
		37	41	35	IN CLR:	3	3	1	1	0	0.0	0.0	.110E+04	46	82	366	3	0
					NOT CLR:	6	6	3	1	0	17.0	2.0	.284E+05	47	73	23	6	0
2/10/79 *	CAB	368	372	298	FLT TOT:	47	47	30	25	11	4.5	.6	.133E+05	197	85	55	21	26
		40	42	35	IN CLR:	35	35	24	20	8	0.0	0.0	.336E+03	226	82	63	12	23
					NOT CLR:	12	12	6	5	3	17.8	2.3	.512E+05	80	99	22	9	3

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-LAX (CONT.)																		
2/11/79 *	CAB	364	370	199	FLT TOT:	43	43	29	21	5	9.1	.4	.201E+05	190	83	43	19	24
		40	42	35	IN CLR:	33	33	23	17	4	0.0	0.0	.307E+03	215	81	47	9	24
					NOT CLR:	10	10	6	4	1	39.0	1.9	.856E+05	94	90	29	10	0
2/16/79	CAB	356	391	282	FLT TOT:	59	59	39	33	1	.0	.0	.330E+03	209	57	40	24	35
		38	40	34	IN CLR:	58	58	39	33	1	0.0	0.0	.602E+02	209	57	40	23	35
					NOT CLR:	1	1	0	0	0	2.4	1.0	.160E+05	0	0	0	1	0
2/21/79 *	CAB	369	391	264	FLT TOT:	43	43	27	14	14	19.4	1.4	.510E+05	108	100	33	32	11
		37	39	34	IN CLR:	25	25	15	4	4	0.0	0.0	.868E+02	151	100	32	15	10
					NOT CLR:	18	18	12	10	10	46.4	3.3	.122E+06	56	100	33	17	1
2/24/79 *	CAB	345	370	235	FLT TOT:	44	44	29	22	7	18.7	.8	.588E+05	204	91	97	30	14
		38	42	34	IN CLR:	30	30	20	17	5	0.0	0.0	.126E+04	264	90	47	16	14
					NOT CLR:	14	14	9	5	2	58.9	2.4	.182E+06	72	92	267	14	0
2/25/79	CAB	350	390	308	FLT TOT:	53	53	30	22	11	20.7	1.3	.538E+05	216	91	72	38	15
		39	42	35	IN CLR:	32	32	19	12	5	0.0	0.0	.118E+04	306	87	62	17	15
					NOT CLR:	21	21	11	10	6	52.3	3.2	.134E+06	60	96	83	21	0
2/28/79	CAB	385	391	268	FLT TOT:	52	52	34	30	18	1.9	.2	.985E+03	337	94	50	3	49
		39	41	35	IN CLR:	48	48	31	27	15	0.0	0.0	.725E+02	358	94	50	1	47
					NOT CLR:	4	4	3	3	3	24.1	2.5	.119E+05	120	100	47	2	2
3/ 6/79 *	CAB	335	371	212	FLT TOT:	37	37	25	19	13	10.8	.4	.148E+05	178	91	66	27	10
		38	40	34	IN CLR:	29	29	18	12	9	0.0	0.0	.166E+03	224	93	71	19	10
					NOT CLR:	8	8	7	7	4	49.8	2.0	.679E+05	59	87	56	8	0
3/ 8/79 *	CAB	367	410	194	FLT TOT:	42	42	28	19	10	0.0	0.0	.127E+03	317	89	79	25	17
		36	41	34	IN CLR:	42	42	28	19	10	0.0	0.0	.127E+03	317	89	79	25	17
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 9/79	CAB	356	371	264	FLT TOT:	47	47	29	27	10	3.4	.1	.116E+05	327	69	35	10	37
		39	41	35	IN CLR:	42	42	27	24	7	0.0	0.0	.575E+03	344	65	35	7	35
					NOT CLR:	5	5	2	3	3	32.4	1.4	.104E+06	110	100	36	3	2
3/ 9/79 *	CAB	389	410	281	FLT TOT:	41	41	27	22	6	.9	.1	.524E+02	421	58	70	16	25
		37	39	34	IN CLR:	39	39	26	21	6	0.0	0.0	.535E+02	434	60	73	14	25
					NOT CLR:	2	2	1	1	0	18.0	2.0	.311E+02	87	11	15	2	0
3/10/79	CAB	333	368	230	FLT TOT:	9	9	4	1	1	10.5	1.4	.203E+05	213	100	41	4	5
		40	41	34	IN CLR:	5	5	3	1	1	0.0	0.0	.184E+04	236	100	41	0	5
					NOT CLR:	4	4	1	0	0	23.7	3.3	.434E+05	144	0	0	4	0
3/15/79 *	CAB	366	371	302	FLT TOT:	42	42	26	21	1	.1	.0	.265E+03	225	61	49	0	0
		36	39	34	IN CLR:	41	41	26	21	1	0.0	0.0	.122E+03	225	61	49	0	0
					NOT CLR:	1	1	0	0	0	5.1	2.0	.614E+04	0	0	0	0	0
3/17/79 *	CAB	379	411	283	FLT TOT:	41	41	26	22	12	23.2	1.2	.738E+05	299	81	32	14	27
		40	42	35	IN CLR:	26	26	17	14	5	0.0	0.0	.501E+03	395	73	36	3	23
					NOT CLR:	15	15	9	8	7	63.3	3.3	.201E+06	117	94	24	11	4

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-LAX (CONT.)																		
3/23/79	CAB	377	391	202	FLT TOT:	53	53	34	30	6	8.1	.3	.171E+05	345	76	102	12	41
		39	41	34	IN CLR:	45	45	28	27	4	0.0	0.0	.169E+03	391	76	108	4	41
					NOT CLR:	8	8	6	3	2	53.5	2.1	.112E+06	131	79	48	8	0
3/24/79 *	CAB	365	370	268	FLT TOT:	46	46	30	26	1	.9	.0	.156E+03	324	67	157	3	43
		35	39	32	IN CLR:	45	45	29	25	1	0.0	0.0	.155E+03	335	69	160	2	43
					NOT CLR:	1	1	1	1	0	41.2	2.0	.190E+03	20	25	89	1	0
3/24/79	CAB	383	391	252	FLT TOT:	51	51	33	28	4	0.0	0.0	.149E+03	422	68	93	2	49
		39	41	34	IN CLR:	51	51	33	28	4	0.0	0.0	.149E+03	422	68	93	2	49
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/26/79	CAB	374	391	238	FLT TOT:	57	57	37	32	1	0.0	0.0	.422E+03	257	64	28	7	50
		38	40	34	IN CLR:	57	57	37	32	1	0.0	0.0	.422E+03	257	64	28	7	50
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/27/79 *	CAB	366	371	236	FLT TOT:	43	43	25	13	6	15.6	1.0	.774E+05	214	74	43	17	26
		40	42	35	IN CLR:	31	31	18	10	3	0.0	0.0	.728E+03	268	66	42	8	23
					NOT CLR:	12	12	7	3	3	56.0	3.7	.276E+06	76	100	49	9	3
3/28/79	CAB	380	391	201	FLT TOT:	59	59	38	32	12	18.7	.7	.756E+05	258	79	27	17	42
		38	40	34	IN CLR:	44	44	28	23	6	0.0	0.0	.549E+03	302	72	30	12	32
					NOT CLR:	15	15	10	9	6	73.4	2.9	.296E+06	133	97	19	5	10
5/12/76 *	CAA	382	410	188	FLT TOT:	49	0	31	0	0	1.5	.0	0.	299	0	0	18	31
		41	43	34	IN CLR:	46	0	28	0	0	0.0	0.0	0.	307	0	0	15	31
					NOT CLR:	3	0	3	0	0	24.4	.7	0.	230	0	0	3	0
5/16/76	CAA	372	390	206	FLT TOT:	48	0	30	39	3	1.0	.1	0.	265	31	74	27	21
		39	42	35	IN CLR:	47	0	29	38	2	0.0	0.0	0.	271	29	73	26	21
					NOT CLR:	1	0	1	1	1	49.4	3.0	0.	94	100	131	1	0
5/12/79	BDB	363	391	233	FLT TOT:	55	55	0	29	2	.8	.2	.273E+05	0	34	45	21	34
		37	40	34	IN CLR:	52	52	0	26	0	0.0	0.0	.325E+03	0	27	33	18	34
					NOT CLR:	3	3	0	3	2	15.6	4.3	.495E+06	0	97	144	3	0
5/27/79 *	BDB	357	370	236	FLT TOT:	48	48	30	24	4	.5	.2	.317E+04	233	49	50	30	18
		37	39	34	IN CLR:	47	47	30	24	4	0.0	0.0	.323E+04	233	49	50	29	18
					NOT CLR:	1	1	0	0	0	22.4	10.0	.114E+03	0	0	0	1	0
6/17/78	CAB	391	420	241	FLT TOT:	54	54	34	29	7	9.3	.3	.173E+05	55	81	44	54	0
		37	40	34	IN CLR:	39	39	25	21	2	0.0	0.0	.315E+03	54	76	42	39	0
					NOT CLR:	15	15	9	8	5	33.3	2.9	.614E+05	56	96	47	15	0
6/23/78 *	CAB	379	410	271	FLT TOT:	46	46	30	19	8	11.9	.7	.198E+05	99	50	42	42	4
		36	39	34	IN CLR:	33	33	22	16	5	0.0	0.0	.174E+03	102	40	41	29	4
					NOT CLR:	13	13	8	3	3	42.1	2.5	.696E+05	92	100	48	13	0
6/24/78	CAB	386	391	249	FLT TOT:	54	54	32	30	0	2.6	.5	.275E+05	97	45	24	49	5
		38	40	34	IN CLR:	47	47	29	27	0	0.0	0.0	.236E+02	96	43	24	43	4
					NOT CLR:	7	7	3	3	0	19.9	4.1	.212E+06	108	55	29	6	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
JFK-LAX (CONT.)																		
6/ 6/79	CAB	367	390	295	FLT TOT:	50	50	0	29	2	4.6	.2	.164E+05	0	39	38	50	0
		36	40	34	IN CLR:	43	43	0	25	0	0.0	0.0	.254E+04	0	34	32	43	0
					NOT CLR:	7	7	0	4	2	32.8	1.4	.102E+06	0	69	75	7	0
7/ 2/78	CAB	375	391	288	FLT TOT:	51	51	33	30	0	4.7	.4	.856E+04	71	7	8	51	0
		38	40	34	IN CLR:	42	42	29	25	0	0.0	0.0	.567E+02	68	7	8	42	0
					NOT CLR:	9	9	4	5	0	26.4	2.4	.482E+05	87	5	10	9	0
7/17/78 *	CAB	380	410	285	FLT TOT:	47	47	31	27	0	.9	.2	.174E+04	106	23	28	41	6
		40	42	35	IN CLR:	43	43	29	26	0	0.0	0.0	.270E+02	107	23	28	37	6
					NOT CLR:	4	4	2	1	0	11.0	2.3	.202E+05	81	16	12	4	0
7/20/78 *	CAB	362	373	197	FLT TOT:	48	48	32	28	0	2.3	.7	.349E+04	109	48	93	48	0
		39	41	34	IN CLR:	36	36	24	21	0	0.0	0.0	.850E+02	111	47	102	36	0
					NOT CLR:	12	12	8	7	0	9.1	2.6	.137E+05	105	50	65	12	0
7/21/78	CAB	369	391	241	FLT TOT:	48	48	30	23	5	4.9	.6	.698E+04	111	66	75	48	0
		38	40	34	IN CLR:	35	35	20	15	3	0.0	0.0	.415E+02	115	51	72	35	0
					NOT CLR:	13	13	10	8	2	18.1	2.2	.257E+05	103	92	82	13	0
7/23/78 *	CAB	379	410	289	FLT TOT:	43	43	27	22	0	.7	.1	.452E+04	85	21	18	43	0
		40	42	35	IN CLR:	39	39	24	22	0	0.0	0.0	.465E+02	84	21	18	39	0
					NOT CLR:	4	4	3	0	0	7.6	1.3	.481E+05	95	0	0	4	0
11/ 9/78 *	BBB	346	370	212	FLT TOT:	47	47	30	23	2	10.5	.5	.210E+05	43	61	40	47	0
		39	41	35	IN CLR:	34	34	23	18	0	0.0	0.0	.385E+01	42	53	38	34	0
					NOT CLR:	13	13	7	5	2	38.1	1.8	.760E+05	47	91	49	13	0
JFK-LHR																		
1/24/76 *	BBA	349	370	211	FLT TOT:	47	0	47	0	0	11.5	.6	0.	215	0	0	21	26
		53	57	41	IN CLR:	36	0	36	0	0	0.0	0.0	0.	268	0	0	10	26
					NOT CLR:	11	0	11	0	0	49.2	2.4	0.	41	0	0	11	0
1/25/76	BBA	326	330	206	FLT TOT:	36	0	36	0	0	8.9	.8	0.	36	0	0	36	0
		50	52	41	IN CLR:	26	0	26	0	0	0.0	0.0	0.	33	0	0	26	0
					NOT CLR:	10	0	10	0	0	32.1	2.8	0.	41	0	0	10	0
1/26/76 *	BBA	368	390	201	FLT TOT:	42	0	42	0	0	9.9	.6	0.	78	0	0	42	0
		46	50	41	IN CLR:	31	0	31	0	0	0.0	0.0	0.	83	0	0	31	0
					NOT CLR:	11	0	11	0	0	37.7	2.2	0.	62	0	0	11	0
1/29/76	BBA	362	371	212	FLT TOT:	43	0	43	0	0	14.4	.5	0.	204	0	0	26	17
		48	51	41	IN CLR:	33	0	33	0	0	0.0	0.0	0.	250	0	0	16	17
					NOT CLR:	10	0	10	0	0	62.0	2.0	0.	54	0	0	10	0
1/30/76 *	BBA	354	390	209	FLT TOT:	52	0	52	0	0	11.8	.6	0.	283	0	0	25	27
		53	57	42	IN CLR:	40	0	40	0	0	0.0	0.0	0.	354	0	0	13	27
					NOT CLR:	12	0	12	0	0	51.2	2.8	0.	44	0	0	12	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-LHR (CONT.)																		
1/ 5/79 *	BBB	319	351	201	FLT TOT:	78	0	50	40	2	13.2	.9	0.	61	58	76	57	21
		46	51	41	IN CLR:	50	0	32	24	0	0.0	0.0	0.	79	45	60	29	21
					NOT CLR:	28	0	18	16	2	36.8	2.5	0.	30	79	102	28	0
1/ 8/79	BBB	352	371	254	FLT TOT:	56	0	36	18	0	43.4	.6	0.	185	52	25	23	33
		51	55	42	IN CLR:	25	0	18	13	0	0.0	0.0	0.	329	39	14	1	24
					NOT CLR:	31	0	18	5	0	78.3	1.0	0.	41	86	53	22	9
1/ 9/79 *	BBB	348	391	197	FLT TOT:	75	0	49	43	5	40.0	1.4	0.	90	63	34	52	23
		46	52	41	IN CLR:	31	0	19	18	0	0.0	0.0	0.	157	33	21	9	22
					NOT CLR:	44	0	30	25	5	68.2	2.4	0.	47	86	44	43	1
2/ 9/79	BBB	338	370	255	FLT TOT:	64	0	42	27	2	.0	.0	0.	302	33	48	1	63
		46	50	41	IN CLR:	63	0	42	27	2	0.0	0.0	0.	302	33	48	1	62
					NOT CLR:	1	0	0	0	0	1.2	1.0	0.	0	0	0	0	1
2/14/79 *	BBB	364	390	251	FLT TOT:	68	0	46	35	0	.2	.0	0.	443	20	28	8	60
		53	57	42	IN CLR:	67	0	46	34	0	0.0	0.0	0.	443	21	28	7	60
					NOT CLR:	1	0	0	1	0	14.9	3.0	0.	0	17	25	1	0
2/16/79	BBB	329	351	211	FLT TOT:	60	0	37	36	0	22.0	.6	0.	215	41	48	30	30
		47	51	41	IN CLR:	38	0	24	22	0	0.0	0.0	0.	304	20	33	9	29
					NOT CLR:	22	0	13	14	0	59.9	1.7	0.	52	74	72	21	1
3/20/76 *	BBA	371	392	200	FLT TOT:	48	0	48	0	0	19.1	.8	0.	376	0	0	27	21
		53	57	42	IN CLR:	35	0	35	0	0	0.0	0.0	0.	486	0	0	14	21
					NOT CLR:	13	0	13	0	0	70.4	3.1	0.	78	0	0	13	0
3/21/76	BBA	326	332	195	FLT TOT:	36	0	36	0	0	29.5	1.1	0.	142	0	0	36	0
		50	52	45	IN CLR:	18	0	18	0	0	0.0	0.0	0.	208	0	0	18	0
					NOT CLR:	18	0	18	0	0	58.9	2.2	0.	76	0	0	18	0
3/22/76 *	BBA	369	390	209	FLT TOT:	50	0	50	0	0	12.3	.6	0.	226	0	0	31	19
		46	51	41	IN CLR:	38	0	38	0	0	0.0	0.0	0.	276	0	0	19	19
					NOT CLR:	12	0	12	0	0	51.4	2.3	0.	66	0	0	12	0
3/23/76	BBA	322	331	196	FLT TOT:	38	0	38	0	0	0.0	0.0	0.	174	0	0	38	0
		50	53	41	IN CLR:	38	0	38	0	0	0.0	0.0	0.	174	0	0	38	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 9/79	BBB	352	360	217	FLT TOT:	61	0	39	32	0	13.1	.7	0.	185	52	24	44	17
		49	52	42	IN CLR:	44	0	29	25	0	0.0	0.0	0.	223	46	23	28	16
					NOT CLR:	17	0	10	7	0	47.0	2.4	0.	74	77	30	16	1
3/15/79 *	BBB	326	331	221	FLT TOT:	71	0	46	37	7	5.5	.5	0.	188	75	61	0	0
		50	53	41	IN CLR:	58	0	37	29	6	0.0	0.0	0.	219	74	68	0	0
					NOT CLR:	13	0	9	8	1	30.3	3.0	0.	63	80	39	0	0
4/10/76	BBA	336	371	202	FLT TOT:	40	0	40	0	0	6.9	.3	0.	147	0	0	40	0
		49	52	41	IN CLR:	37	0	37	0	0	0.0	0.0	0.	149	0	0	37	0
					NOT CLR:	3	0	3	0	0	91.5	3.7	0.	113	0	0	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
JFK-LHR (CONT.)																		
4/11/76 *	BBA	342	390	201	FLT TOT:	49	0	49	0	0	7.1	.4	0.	266	0	0	27	22
		52	56	41	IN CLR:	42	0	42	0	0	0.0	0.0	0.	297	0	0	20	22
					NOT CLR:	7	0	7	0	0	50.0	2.9	0.	63	0	0	7	0
4/18/76	BBA	324	340	204	FLT TOT:	38	0	38	0	0	.9	.7	0.	331	0	0	20	18
		49	53	41	IN CLR:	33	0	33	0	0	0.0	0.0	0.	316	0	0	18	15
					NOT CLR:	5	0	5	0	0	6.8	5.2	0.	428	0	0	2	3
5/13/77	AAA	387	390	308	FLT TOT:	64	64	42	0	0	.4	.1	.317E+04	563	0	0	2	62
		47	51	41	IN CLR:	62	62	41	0	0	0.0	0.0	.409E+01	570	0	0	1	61
					NOT CLR:	2	2	1	0	0	13.1	2.5	.101E+06	292	0	0	1	1
5/14/77 *	AAA	397	430	201	FLT TOT:	73	73	47	0	0	0.0	0.0	.421E+02	524	0	0	3	70
		53	57	41	IN CLR:	73	73	47	0	0	0.0	0.0	.421E+02	524	0	0	3	70
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/15/77	AAA	369	371	308	FLT TOT:	61	61	40	0	0	0.0	0.0	.223E+02	346	0	0	20	41
		46	51	41	IN CLR:	61	61	40	0	0	0.0	0.0	.223E+02	346	0	0	20	41
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/15/77 *	AAA	388	391	280	FLT TOT:	72	72	49	0	0	0.0	0.0	.889E+01	418	0	0	1	71
		54	58	42	IN CLR:	72	72	49	0	0	0.0	0.0	.889E+01	418	0	0	1	71
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/30/77	AAA	397	410	338	FLT TOT:	28	0	0	0	0	0.0	0.0	0.	0	0	0	2	26
		49	52	42	IN CLR:	28	0	0	0	0	0.0	0.0	0.	0	0	0	2	26
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/31/77 *	AAA	408	420	320	FLT TOT:	39	39	26	0	0	0.0	0.0	.851E+01	450	0	0	3	36
		52	56	43	IN CLR:	39	39	26	0	0	0.0	0.0	.851E+01	450	0	0	3	36
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/12/79 *	BDB	338	371	213	FLT TOT:	66	66	0	32	4	1.8	.5	.199E+05	0	54	74	57	9
		50	53	41	IN CLR:	50	50	0	25	1	0.0	0.0	.246E+04	0	42	68	41	9
					NOT CLR:	16	16	0	7	3	7.6	2.3	.744E+05	0	95	98	16	0
5/21/79 *	BDB	346	370	219	FLT TOT:	76	76	49	45	7	3.0	.8	.506E+05	246	59	76	46	28
		51	54	41	IN CLR:	55	55	37	31	1	0.0	0.0	.377E+04	300	45	59	27	28
					NOT CLR:	21	21	12	14	6	11.0	3.0	.173E+06	81	89	115	21	0
5/24/79	BDB	353	370	249	FLT TOT:	63	63	41	29	11	4.6	.7	.623E+05	258	68	53	39	24
		49	52	42	IN CLR:	50	50	33	22	5	0.0	0.0	.423E+04	298	58	39	26	24
					NOT CLR:	13	13	8	7	6	22.5	3.5	.286E+06	94	99	95	13	0
5/30/79	BDB	336	370	276	FLT TOT:	66	66	42	35	0	5.7	.7	.860E+05	218	29	28	48	18
		49	52	41	IN CLR:	45	45	28	26	0	0.0	0.0	.414E+04	275	27	21	27	18
					NOT CLR:	21	21	14	9	0	17.8	2.3	.261E+06	103	33	46	21	0
6/ 5/79 *	BDB	362	390	201	FLT TOT:	72	72	45	36	19	4.7	.9	.799E+05	189	77	70	42	30
		49	52	41	IN CLR:	51	51	33	25	9	0.0	0.0	.622E+04	227	67	80	24	27
					NOT CLR:	21	21	12	11	10	16.1	3.0	.259E+06	85	99	47	18	3

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-LHR (CONT.)																		
6/ 6/79	BDB	355	370	264	FLT TOT:	66	66	42	31	9	5.6	.9	.954E+05	226	63	55	34	32
		49	52	41	IN CLR:	45	45	32	24	4	0.0	0.0	.148E+05	266	54	54	21	24
					NOT CLR:	21	21	10	7	5	17.6	2.8	.268E+06	95	94	59	13	8
9/ 7/76 *	BBA	360	390	281	FLT TOT:	69	0	43	0	0	0.0	0.0	0.	86	0	0	51	18
		50	53	42	IN CLR:	69	0	43	0	0	0.0	0.0	0.	86	0	0	51	18
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 8/76	BBA	343	370	227	FLT TOT:	64	0	41	0	0	0.0	0.0	0.	128	0	0	37	27
		52	55	41	IN CLR:	64	0	41	0	0	0.0	0.0	0.	128	0	0	37	27
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/ 9/76 *	BBA	344	370	199	FLT TOT:	73	0	48	0	0	0.0	0.0	0.	93	0	0	52	21
		48	52	41	IN CLR:	73	0	48	0	0	0.0	0.0	0.	93	0	0	52	21
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/10/76 *	BBA	346	365	193	FLT TOT:	81	0	54	0	0	0.0	0.0	0.	98	0	0	64	17
		51	55	39	IN CLR:	81	0	54	0	0	0.0	0.0	0.	98	0	0	64	17
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/11/76	BBA	357	369	227	FLT TOT:	70	0	42	0	0	0.0	0.0	0.	90	0	0	60	10
		52	56	41	IN CLR:	70	0	42	0	0	0.0	0.0	0.	90	0	0	60	10
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/12/76 *	BBA	354	390	195	FLT TOT:	69	0	45	0	0	0.0	0.0	0.	83	0	0	57	12
		48	52	41	IN CLR:	69	0	45	0	0	0.0	0.0	0.	83	0	0	57	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/15/76	BBA	341	349	251	FLT TOT:	63	0	42	0	0	0.0	0.0	0.	74	0	0	61	2
		49	53	41	IN CLR:	63	0	42	0	0	0.0	0.0	0.	74	0	0	61	2
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
9/22/76 *	BBA	337	370	200	FLT TOT:	70	0	42	0	0	.0	.0	0.	80	0	0	0	0
		48	53	41	IN CLR:	69	0	41	0	0	0.0	0.0	0.	81	0	0	0	0
					NOT CLR:	1	0	1	0	0	.4	1.0	0.	41	0	0	0	0
9/28/77 *	ABA	397	410	268	FLT TOT:	76	0	49	0	0	0.0	0.0	0.	208	0	0	17	59
		53	56	42	IN CLR:	76	0	49	0	0	0.0	0.0	0.	208	0	0	17	59
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/ 9/77 *	BCB	343	370	268	FLT TOT:	68	68	0	0	0	21.5	0.0	.581E+05	0	0	0	43	25
		54	57	46	IN CLR:	39	39	0	0	0	0.0	0.0	.741E+01	0	0	0	16	23
					NOT CLR:	29	29	0	0	0	50.4	0.0	.136E+06	0	0	0	27	2
10/11/77	BCB	306	331	235	FLT TOT:	59	59	0	0	0	25.8	0.0	.845E+05	0	0	0	53	6
		55	62	42	IN CLR:	35	35	0	0	0	0.0	0.0	.310E+02	0	0	0	29	6
					NOT CLR:	24	24	0	0	0	63.5	0.0	.208E+06	0	0	0	24	0
10/ 1/78 *	BBB	342	370	200	FLT TOT:	75	75	49	0	0	2.6	.4	.124E+05	74	0	0	75	0
		48	52	41	IN CLR:	65	65	43	0	0	0.0	0.0	.326E+03	76	0	0	65	0
					NOT CLR:	10	10	6	0	0	19.8	2.8	.906E+05	60	0	0	10	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-LHR (CONT.)																		
10/10/78 *	BBB	349	371	220	FLT TOT:	67	67	43	0	0	11.5	.7	.462E+05	219	0	0	29	38
		51	53	41	IN CLR:	52	52	34	0	0	0.0	0.0	.110E+02	262	0	0	14	38
					NOT CLR:	15	15	9	0	0	51.3	3.2	.206E+06	55	0	0	15	0
10/11/78	BBB	352	371	199	FLT TOT:	68	68	43	0	0	.9	.1	.340E+03	177	0	0	34	34
		48	51	41	IN CLR:	66	66	42	0	0	0.0	0.0	.182E+03	179	0	0	33	33
					NOT CLR:	2	2	1	0	0	30.6	3.0	.555E+04	82	0	0	1	1
10/12/78 *	BBB	339	371	230	FLT TOT:	68	68	43	0	0	5.0	.7	.681E+04	99	0	0	58	10
		50	54	41	IN CLR:	56	56	37	0	0	0.0	0.0	.271E+03	105	0	0	48	8
					NOT CLR:	12	12	6	0	0	28.4	3.8	.374E+05	65	0	0	10	2
10/16/78 *	BBB	336	351	201	FLT TOT:	67	67	44	0	0	24.8	.7	.604E+05	66	0	0	67	0
		48	52	41	IN CLR:	42	42	29	0	0	0.0	0.0	.796E+02	70	0	0	42	0
					NOT CLR:	25	25	15	0	0	66.5	1.9	.162E+06	57	0	0	25	0
10/18/78	BBB	361	371	272	FLT TOT:	60	60	38	0	0	4.2	.8	.219E+05	140	0	0	18	42
		52	55	41	IN CLR:	47	47	31	0	0	0.0	0.0	.219E+03	146	0	0	13	34
					NOT CLR:	13	13	7	0	0	19.2	3.7	.100E+06	111	0	0	5	8
10/19/78 *	BBB	353	371	206	FLT TOT:	72	72	45	0	0	17.1	1.0	.580E+05	132	0	0	44	28
		49	52	41	IN CLR:	47	47	30	0	0	0.0	0.0	.348E+02	170	0	0	19	28
					NOT CLR:	25	25	15	0	0	49.3	2.9	.167E+06	56	0	0	25	0
10/20/78	BBB	333	341	199	FLT TOT:	62	62	38	0	0	12.8	1.2	.532E+05	92	0	0	48	14
		50	53	41	IN CLR:	41	41	23	0	0	0.0	0.0	.114E+02	119	0	0	28	13
					NOT CLR:	21	21	15	0	0	37.7	3.5	.157E+06	52	0	0	20	1
10/30/78 *	BBB	332	350	220	FLT TOT:	75	75	48	44	1	.9	.2	.205E+04	188	37	42	29	46
		53	57	41	IN CLR:	68	68	44	41	0	0.0	0.0	.172E+02	201	33	38	22	46
					NOT CLR:	7	7	4	3	1	9.5	2.6	.218E+05	51	93	100	7	0
11/21/77	BCB	345	351	262	FLT TOT:	71	71	47	0	0	15.0	0.0	.221E+05	127	0	0	49	22
		52	55	41	IN CLR:	42	42	27	0	0	0.0	0.0	.323E+02	173	0	0	20	22
					NOT CLR:	29	29	20	0	0	36.7	0.0	.540E+05	65	0	0	29	0
11/ 2/78	BBB	327	350	232	FLT TOT:	59	59	38	30	0	.7	.1	.115E+03	168	32	40	40	19
		49	53	41	IN CLR:	57	57	37	29	0	0.0	0.0	.921E+02	172	31	28	38	19
					NOT CLR:	2	2	1	1	0	21.8	2.5	.765E+03	4	51	402	2	0
11/21/78 *	BBB	326	370	193	FLT TOT:	80	80	55	44	0	2.8	.6	.126E+05	150	35	35	37	43
		52	56	41	IN CLR:	68	68	47	38	0	0.0	0.0	.314E+02	169	28	27	25	43
					NOT CLR:	12	12	8	6	0	19.0	4.3	.840E+05	36	80	87	12	0
12/ 6/78	BBB	326	331	255	FLT TOT:	61	61	37	30	0	1.8	.1	.159E+05	200	26	59	21	40
		48	51	41	IN CLR:	58	58	35	30	0	0.0	0.0	.132E+02	208	26	59	18	40
					NOT CLR:	3	3	2	0	0	37.5	1.7	.323E+06	55	0	0	3	0
12/16/78 *	BBB	343	370	219	FLT TOT:	71	71	45	41	11	15.3	.9	.432E+05	154	64	33	0	0
		51	53	41	IN CLR:	49	49	31	29	1	0.0	0.0	.204E+02	206	50	29	0	0
					NOT CLR:	22	22	14	12	10	49.5	3.0	.139E+06	40	97	45	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-LHR (CONT.)																		
12/26/78	BBB	342	351	244	FLT TOT:	62	62	0	33	0	.5	.0	.832E+02	0	27	47	0	0
		47	51	41	IN CLR:	61	61	0	33	0	0.0	0.0	.846E+02	0	27	47	0	0
					NOT CLR:	1	1	0	0	0	32.9	1.0	0.	0	0	0	0	0
JFK-ORD																		
2/28/76 *	CAA	331	370	212	FLT TOT:	8	0	8	7	6	6.3	0.0	0.	154	99	81	3	5
		42	42	41	IN CLR:	7	0	7	6	5	0.0	0.0	0.	167	99	91	2	5
					NOT CLR:	1	0	1	1	1	50.6	0.0	0.	66	100	20	1	0
2/16/79 *	CAB	349	370	228	FLT TOT:	10	10	6	5	0	0.0	0.0	.357E+02	161	19	30	2	8
		42	42	41	IN CLR:	10	10	6	5	0	0.0	0.0	.357E+02	161	19	30	2	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/21/79	CAB	380	391	265	FLT TOT:	16	16	11	9	1	0.0	0.0	.551E+02	273	83	44	1	15
		41	42	40	IN CLR:	16	16	11	9	1	0.0	0.0	.551E+02	273	83	44	1	15
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 6/79	CAB	386	411	284	FLT TOT:	12	12	8	4	2	6.5	0.0	.120E+05	431	95	139	2	10
		41	41	40	IN CLR:	10	10	7	4	2	0.0	0.0	.562E+02	447	95	139	2	8
					NOT CLR:	2	2	1	0	0	39.0	0.0	.716E+05	317	0	0	0	2
3/15/79	CAB	380	411	217	FLT TOT:	15	15	9	6	0	.3	.1	.275E+04	631	22	28	0	0
		41	41	40	IN CLR:	14	14	9	5	0	0.0	0.0	.746E+02	631	24	26	0	0
					NOT CLR:	1	1	0	1	0	5.1	1.0	.402E+05	0	10	42	0	0
3/23/79 *	CAB	385	411	248	FLT TOT:	12	12	8	6	0	7.0	.5	.178E+05	216	51	22	4	8
		42	42	41	IN CLR:	9	9	7	5	0	0.0	0.0	.230E+03	231	47	22	2	7
					NOT CLR:	3	3	1	1	0	28.0	2.0	.706E+05	107	69	20	2	1
3/26/79 *	CAB	389	411	310	FLT TOT:	11	11	7	6	0	0.0	0.0	.797E+03	302	31	37	1	10
		42	42	41	IN CLR:	11	11	7	6	0	0.0	0.0	.797E+03	302	31	37	1	10
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/13/76	CAA	325	350	203	FLT TOT:	15	0	10	0	0	27.7	1.2	0.	80	0	0	15	0
		41	41	40	IN CLR:	4	0	3	0	0	0.0	0.0	0.	80	0	0	4	0
					NOT CLR:	11	0	7	0	0	37.8	1.6	0.	79	0	0	11	0
6/20/78	CAB	337	390	191	FLT TOT:	12	12	8	7	0	.2	.2	.133E+04	117	40	124	12	0
		41	41	40	IN CLR:	11	11	8	6	0	0.0	0.0	.143E+04	117	35	138	11	0
					NOT CLR:	1	1	0	1	0	2.4	2.0	.200E+03	0	76	39	1	0
6/26/78	CAB	293	390	210	FLT TOT:	21	21	15	8	2	17.0	.9	.506E+05	71	74	1542	21	0
		43	43	42	IN CLR:	12	12	8	8	2	0.0	0.0	.682E+03	62	74	1542	12	0
					NOT CLR:	9	9	7	0	0	39.7	2.1	.117E+06	81	0	0	9	0
6/ 6/79 *	CAB	348	380	207	FLT TOT:	11	11	0	5	1	8.9	.5	.154E+05	0	48	181	11	0
		42	42	41	IN CLR:	6	6	0	2	1	0.0	0.0	.774E+04	0	70	54	6	0
					NOT CLR:	5	5	0	3	0	19.5	1.0	.245E+05	0	34	265	5	0

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-ORD (CONT.)																			
7/ 2/78	*	CAB	345	371	241	FLT TOT:	10	10	6	6	0	19.7	1.0	.294E+05	85	8	12	10	0
			42	42	41	IN CLR:	4	4	2	2	0	0.0	0.0	.624E+04	85	11	21	4	0
						NOT CLR:	6	6	4	4	0	32.8	1.7	.449E+05	86	6	7	6	0
7/12/78	*	CAB	396	410	336	FLT TOT:	10	10	0	5	0	0.0	0.0	.604E+02	0	11	6	4	6
			42	42	41	IN CLR:	10	10	0	5	0	0.0	0.0	.604E+02	0	11	8	4	6
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/12/78		CAB	335	351	264	FLT TOT:	13	13	8	7	0	.7	.2	.155E+03	75	12	21	13	0
			42	43	42	IN CLR:	12	12	8	7	0	0.0	0.0	.968E+02	75	12	21	12	0
						NOT CLR:	1	1	0	0	0	8.6	2.0	.856E+03	0	0	0	1	0
7/17/78		CAB	352	391	247	FLT TOT:	13	13	9	5	0	3.6	1.1	.892E+04	214	30	219	13	0
			41	41	40	IN CLR:	11	11	8	4	0	0.0	0.0	.597E+01	202	36	269	11	0
						NOT CLR:	2	2	1	1	0	23.3	7.0	.590E+05	309	10	19	2	0
JFK-SFO																			
2/ 1/76		BBA	369	390	211	FLT TOT:	35	0	35	0	0	2.1	.0	0.	201	0	0	15	20
			42	43	38	IN CLR:	33	0	33	0	0	0.0	0.0	0.	212	0	0	13	20
						NOT CLR:	2	0	2	0	0	36.5	.5	0.	20	0	0	2	0
2/ 2/77		AAA	421	430	196	FLT TOT:	55	55	0	45	1	0.0	0.0	.267E+02	0	23	22	3	52
			43	45	38	IN CLR:	55	55	0	45	1	0.0	0.0	.267E+02	0	23	22	3	52
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 8/79		CAB	367	391	253	FLT TOT:	55	55	35	32	2	11.7	.9	.640E+05	286	61	59	14	41
			41	43	38	IN CLR:	43	43	27	24	2	0.0	0.0	.945E+02	358	57	69	2	41
						NOT CLR:	12	12	8	8	0	53.6	4.0	.293E+06	42	73	28	12	0
2/10/79		CAB	382	391	257	FLT TOT:	61	61	40	35	7	27.5	1.0	.898E+05	201	76	32	30	31
			38	40	36	IN CLR:	36	36	24	21	2	0.0	0.0	.200E+03	306	66	42	5	31
						NOT CLR:	25	25	16	14	5	67.2	2.3	.219E+06	43	88	16	25	0
2/28/79	*	CAB	375	411	239	FLT TOT:	48	48	32	20	18	12.8	.5	.205E+05	291	95	45	11	37
			41	42	38	IN CLR:	33	33	23	14	12	0.0	0.0	.700E+03	359	93	55	3	30
						NOT CLR:	15	15	9	6	6	40.9	1.5	.641E+05	119	100	23	8	7
3/18/76		BBA	334	351	203	FLT TOT:	38	0	38	0	0	18.8	1.6	0.	110	0	0	38	0
			40	41	38	IN CLR:	22	0	22	0	0	0.0	0.0	0.	143	0	0	22	0
						NOT CLR:	16	0	16	0	0	44.7	3.7	0.	64	0	0	16	0
3/30/77		AAA	347	350	227	FLT TOT:	58	58	0	48	2	.1	.0	.138E+02	0	28	22	0	0
			43	45	38	IN CLR:	57	57	0	47	2	0.0	0.0	.140E+02	0	27	21	0	0
						NOT CLR:	1	1	0	1	0	5.1	2.0	0.	0	56	68	0	0
3/18/79		CAB	382	391	319	FLT TOT:	54	54	32	24	9	21.6	.9	.637E+05	300	66	23	25	29
			41	42	38	IN CLR:	30	30	20	13	1	0.0	0.0	.506E+03	422	39	30	3	27
						NOT CLR:	24	24	12	11	8	48.6	2.0	.143E+06	96	98	16	22	2

DEP-ARR IM/ID/IY		CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	FD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	FD5	OZ	RH	H2O	TROP N	STRAT N
JFK-SFO (CONT.)																			
5/ 4/77		AAA	414	435	242	FLT TOT:	57	57	38	0	0	4.1	.2	.118E+05	302	0	0	21	36
			42	43	38	IN CLR:	48	48	34	0	0	0.0	0.0	.534E+02	324	0	0	12	36
						NOT CLR:	9	9	4	0	0	25.7	1.4	.747E+05	117	0	0	9	0
5/ 8/77	*	AAA	389	410	198	FLT TOT:	50	50	31	0	0	1.1	.1	.456E+04	356	0	0	4	46
			41	42	38	IN CLR:	49	49	31	0	0	0.0	0.0	.199E+03	356	0	0	4	45
						NOT CLR:	1	1	0	0	0	53.7	3.0	.218E+06	0	0	0	0	1
5/18/77		AAA	396	430	241	FLT TOT:	22	22	8	0	0	4.6	.6	.105E+05	236	0	0	5	17
			42	43	38	IN CLR:	17	17	6	0	0	0.0	0.0	.865E+02	309	0	0	4	13
						NOT CLR:	5	5	2	0	0	20.1	2.8	.458E+05	20	0	0	1	4
5/22/77	*	AAA	370	372	370	FLT TOT:	24	24	16	0	0	17.8	1.2	.990E+05	121	0	0	18	6
			41	42	38	IN CLR:	13	13	10	0	0	0.0	0.0	.146E+03	148	0	0	8	5
						NOT CLR:	11	11	6	0	0	38.9	2.6	.216E+06	75	0	0	10	1
6/17/78	*	CAB	359	372	203	FLT TOT:	45	45	29	25	3	13.6	6	.525E+05	107	66	191	45	0
			41	43	38	IN CLR:	32	32	20	19	0	0.0	0.0	.438E+04	132	56	49	32	0
						NOT CLR:	13	13	9	6	3	47.2	2.2	.171E+06	52	97	641	13	0
6/26/78	*	CAB	364	370	222	FLT TOT:	44	44	29	25	0	6.0	.2	.108E+05	123	32	77	37	7
			41	42	38	IN CLR:	40	40	26	24	0	0.0	0.0	.113E+03	123	31	35	33	7
						NOT CLR:	4	4	3	1	0	66.1	1.6	.118E+06	80	371	071	4	0
6/27/78		CAB	364	391	287	FLT TOT:	57	57	37	32	5	4.3	.3	.117E+05	165	32	54	49	8
			37	39	35	IN CLR:	50	50	32	27	2	0.0	0.0	.421E+02	192	24	39	42	8
						NOT CLR:	7	7	5	5	3	34.7	2.3	.953E+05	54	77	133	7	0
6/ 2/79		CAB	372	391	210	FLT TOT:	53	53	0	28	2	2.1	.4	.569E+04	0	36	31	27	26
			43	45	37	IN CLR:	46	46	0	26	1	0.0	0.0	.340E+04	0	33	26	20	26
						NOT CLR:	7	7	0	2	1	16.0	2.9	.207E+05	0	78	91	7	0
6/ 7/79	*	CAB	359	370	250	FLT TOT:	45	45	0	24	1	12.7	1.3	.518E+05	0	41	65	43	2
			41	42	38	IN CLR:	31	31	0	16	1	0.0	0.0	.189E+04	0	26	72	29	2
						NOT CLR:	14	14	0	8	0	40.9	4.1	.162E+06	0	72	52	14	0
6/ 8/79		CAB	364	391	274	FLT TOT:	55	55	0	29	1	5.1	.5	.142E+05	0	30	53	36	19
			40	41	38	IN CLR:	42	42	0	27	0	0.0	0.0	.590E+03	0	26	47	23	19
						NOT CLR:	13	13	0	2	1	21.5	2.0	.581E+05	0	82	133	13	0
7/ 3/77	*	ACA	407	410	318	FLT TOT:	46	0	0	0	0	0.0	0.0	0.		0	0	0	46	0
			41	42	38	IN CLR:	46	0	0	0	0	0.0	0.0	0.		0	0	0	46	0
						NOT CLR:	0	0	0	0	0	0.0	0.0	0.		0	0	0	0	0
7/13/78	*	CAB	376	410	309	FLT TOT:	45	45	27	22	0	.1	.0	.143E+02		44	21	34	0	0
			41	42	38	IN CLR:	44	44	26	21	0	0.0	0.0	.146E+02		44	18	24	0	0
						NOT CLR:	1	1	1	1	0	3.5	1.0	0.		45	65	248	0	0
7/14/78		CAB	359	390	211	FLT TOT:	56	56	33	19	0	3.9	.2	.140E+05		60	28	36	56	0
			39	40	38	IN CLR:	53	53	33	19	0	0.0	0.0	.219E+02		80	28	36	53	0
						NOT CLR:	3	3	0	0	0	73.3	4.0	.262E+06		0	0	0	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
JFK-SFO (CONT.)																		
9/28/77	ABA	419	430	231	FLT TOT:	54	0	34	0	0	.0	.0	0.	92	0	0	41	13
		40	40	38	IN CLR:	53	0	34	0	0	0.0	0.0	0.	92	0	0	40	13
					NOT CLR:	1	0	0	0	0	2.0	1.0	0.	0	0	0	1	0
10/ 2/77 *	ABA	384	410	315	FLT TOT:	23	0	14	0	0	.6	.5	0.	107	0	0	23	0
		40	41	38	IN CLR:	22	0	13	0	0	0.0	0.0	0.	109	0	0	22	0
					NOT CLR:	1	0	1	0	0	13.3	12.0	0.	79	0	0	1	0
10/31/77 *	ABB	347	350	330	FLT TOT:	47	47	30	0	0	12.8	1.8	.110E+06	90	0	0	36	11
		41	42	38	IN CLR:	32	32	20	0	0	0.0	0.0	.472E+02	117	0	0	21	11
					NOT CLR:	15	15	10	0	0	40.1	5.7	.345E+06	37	0	0	15	0
12/15/76	AAA	346	350	209	FLT TOT:	56	0	36	0	0	6.5	.3	0.	118	0	0	26	29
		41	43	38	IN CLR:	45	0	29	0	0	0.0	0.0	0.	134	0	0	15	29
					NOT CLR:	11	0	7	0	0	33.2	1.7	0.	50	0	0	11	0
12/19/76 *	AAA	411	430	224	FLT TOT:	47	0	31	0	0	.9	.2	0.	189	0	0	3	44
		41	42	38	IN CLR:	46	0	31	0	0	0.0	0.0	0.	189	0	0	2	44
					NOT CLR:	1	0	0	0	0	41.2	9.0	0.	0	0	0	1	0
12/22/76	AAA	347	350	240	FLT TOT:	56	0	27	0	0	19.2	.9	0.	143	0	0	33	23
		41	43	38	IN CLR:	39	0	16	0	0	0.0	0.0	0.	209	0	0	16	23
					NOT CLR:	17	0	11	0	0	63.1	3.1	0.	47	0	0	17	0
12/26/76 *	AAA	404	411	202	FLT TOT:	46	0	32	35	14	5.8	.6	0.	234	72	19	2	44
		41	42	39	IN CLR:	37	0	25	27	6	0.0	0.0	0.	279	63	21	2	35
					NOT CLR:	9	0	7	8	8	29.7	3.0	0.	76	100	13	0	9
12/29/76	AAA	416	434	316	FLT TOT:	54	0	0	0	0	.3	.1	0.	0	0	0	1	53
		41	43	38	IN CLR:	53	0	0	0	0	0.0	0.0	0.	0	0	0	0	53
					NOT CLR:	1	0	0	0	0	17.3	3.0	0.	0	0	0	1	0
JFK-SNN																		
1/27/76 *	BBA	362	391	201	FLT TOT:	44	0	44	0	0	57.4	2.3	0.	116	0	0	37	7
		49	53	41	IN CLR:	12	0	12	0	0	0.0	0.0	0.	329	0	0	5	7
					NOT CLR:	32	0	32	0	0	78.9	3.2	0.	37	0	0	32	0
11/30/78 *	BBB	324	350	220	FLT TOT:	69	69	44	38	3	8.5	.5	.176E+05	166	35	48	26	43
		51	55	41	IN CLR:	53	53	34	29	0	0.0	0.0	.171E+02	204	18	20	10	43
					NOT CLR:	16	16	10	9	3	36.5	2.1	.758E+05	38	91	138	16	0
JFK-YQX																		
1/ 8/79 *	BBB	326	351	201	FLT TOT:	13	0	8	8	5	88.8	3.0	0.	33	86	51	12	1
		44	48	41	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	13	0	8	8	5	88.8	3.0	0.	33	86	51	12	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
JNB-MRU																		
1/27/77 *	DDA	304	310	193	FLT TOT:	30	30	15	0	0	14.3	1.5	.124E+06	46	0	0	30	0
		-24	-21	-26	IN CLR:	19	19	12	0	0	0.0	0.0	.652E+01	47	0	0	19	0
					NOT CLR:	11	11	3	0	0	38.9	4.0	.338E+06	43	0	0	11	0
1/28/77	DDA	324	330	204	FLT TOT:	21	21	14	0	0	5.8	1.1	.164E+05	70	0	0	21	0
		-22	-21	-24	IN CLR:	14	14	9	0	0	0.0	0.0	.112E+02	68	0	0	14	0
					NOT CLR:	7	7	5	0	0	17.3	3.4	.552E+05	73	0	0	7	0
2/17/77 *	DDA	309	310	272	FLT TOT:	30	30	19	0	0	.0	.1	.744E+02	43	0	0	0	0
		-24	-21	-26	IN CLR:	29	29	19	0	0	0.0	0.0	.117E+02	43	0	0	0	0
					NOT CLR:	1	1	0	0	0	1.2	3.0	.189E+04	0	0	0	0	0
2/18/77	DDA	338	370	255	FLT TOT:	35	35	23	0	0	1.3	.2	.147E+03	48	0	0	0	0
		-24	-21	-26	IN CLR:	33	33	21	0	0	0.0	0.0	.870E+01	46	0	0	0	0
					NOT CLR:	2	2	2	0	0	22.4	4.0	.244E+04	60	0	0	0	0
KHI-THR																		
3/16/79 *	BBB	289	291	250	FLT TOT:	19	0	11	10	0	13.2	1.2	0.	54	46	204	19	0
		30	34	26	IN CLR:	13	0	8	7	0	0.0	0.0	0.	54	27	90	13	0
					NOT CLR:	6	0	3	3	0	41.9	3.7	0.	54	92	471	6	0
3/17/79	BBB	346	350	257	FLT TOT:	23	0	4	13	1	5.1	.7	0.	59	40	54	23	0
		31	35	27	IN CLR:	17	0	2	11	0	0.0	0.0	0.	60	30	34	17	0
					NOT CLR:	6	0	2	2	1	19.5	2.5	0.	58	98	165	6	0
10/ 9/77	BCB	385	390	311	FLT TOT:	23	23	0	0	0	0.0	0.0	.711E+01	0	0	0	23	0
		30	34	26	IN CLR:	23	23	0	0	0	0.0	0.0	.711E+01	0	0	0	23	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/22/78 *	BBB	347	371	196	FLT TOT:	19	19	11	9	0	1.2	.4	.202E+02	93	30	18	14	5
		30	35	26	IN CLR:	18	18	11	9	0	0.0	0.0	.213E+02	93	30	18	13	5
					NOT CLR:	1	1	0	0	0	22.0	7.0	0.	0	0	0	1	0
11/23/78	BBB	385	390	294	FLT TOT:	27	27	10	15	0	0.0	0.0	.155E+02	141	32	15	14	13
		30	35	25	IN CLR:	27	27	10	15	0	0.0	0.0	.155E+02	141	32	15	14	13
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/20/78 *	BBB	360	370	270	FLT TOT:	20	20	11	10	1	0.0	0.0	.230E+02	164	37	31	0	0
		30	34	26	IN CLR:	20	20	11	10	1	0.0	0.0	.230E+02	164	37	31	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/21/78	BBB	342	351	269	FLT TOT:	20	20	10	6	0	.7	.2	.982E+01	81	45	28	0	0
		30	35	25	IN CLR:	19	19	9	5	0	0.0	0.0	.103E+02	87	49	28	0	0
					NOT CLR:	1	1	1	1	0	13.7	3.0	0.	29	21	31	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
KUL-MEL																		
12/17/76	DDA	366	370	241	FLT TOT:	78	0	0	0	0	.4	.1	0.	0	0	0	0	0
		-19	1	-37	IN CLR:	76	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	2	0	0	0	0	15.1	2.5	0.	0	0	0	0	0
12/18/76 *	DDA	329	350	228	FLT TOT:	77	0	0	0	0	1.1	.3	0.	0	0	0	0	0
		-17	1	-36	IN CLR:	68	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	9	0	0	0	0	9.7	2.6	0.	0	0	0	0	0
KUL-SYD																		
12/17/76 *	DDA	338	350	192	FLT TOT:	81	0	0	0	0	1.0	.1	0.	0	0	0	0	0
		-16	1	-33	IN CLR:	77	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	4	0	0	0	0	20.1	2.3	0.	0	0	0	0	0
12/18/76	DDA	366	390	249	FLT TOT:	79	0	0	0	0	3.6	.5	0.	0	0	0	0	0
		-16	1	-34	IN CLR:	68	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	11	0	0	0	0	25.8	3.9	0.	0	0	0	0	0
LAS-ORD																		
1/29/76	CAA	360	410	211	FLT TOT:	20	0	20	17	9	.0	.0	0.	83	73	44	14	6
		40	42	37	IN CLR:	19	0	19	16	8	0.0	0.0	0.	85	72	46	13	6
					NOT CLR:	1	0	1	1	1	.8	1.0	0.	37	100	24	1	0
1/29/76 *	CAA	372	390	202	FLT TOT:	24	0	24	20	20	0.0	0.0	0.	48	100	38	20	4
		38	42	36	IN CLR:	24	0	24	20	20	0.0	0.0	0.	48	100	38	20	4
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 2/76 *	CAA	379	391	216	FLT TOT:	17	0	17	16	9	26.8	.6	0.	239	73	32	8	9
		41	42	39	IN CLR:	11	0	11	10	3	0.0	0.0	0.	339	57	40	2	9
					NOT CLR:	6	0	6	6	6	76.0	1.8	0.	55	100	20	6	0
3/ 3/76	CAA	354	390	212	FLT TOT:	17	0	17	16	2	3.5	.1	0.	323	51	41	5	12
		40	42	37	IN CLR:	16	0	16	16	2	0.0	0.0	0.	340	51	41	4	12
					NOT CLR:	1	0	1	0	0	60.0	2.0	0.	43	0	0	1	0
3/30/76	CAA	381	410	224	FLT TOT:	18	0	18	18	6	0.0	0.0	0.	493	45	69	3	15
		39	41	37	IN CLR:	18	0	18	18	6	0.0	0.0	0.	493	45	69	3	15
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/30/76 *	CAA	372	390	227	FLT TOT:	19	0	19	19	2	.6	.1	0.	556	20	45	3	16
		40	42	37	IN CLR:	18	0	18	18	1	0.0	0.0	0.	583	15	39	2	16
					NOT CLR:	1	0	1	1	1	10.6	2.0	0.	65	100	160	1	0
4/12/76 *	CAA	377	390	220	FLT TOT:	15	0	15	15	10	0.0	0.0	0.	252	93	54	12	3
		41	42	39	IN CLR:	15	0	15	15	10	0.0	0.0	0.	252	93	54	12	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
LAS-ORD (CONT.)																		
4/20/76 *	CAA	373	390	210	FLT TOT:	20	0	20	20	4	5.5	.4	0.	278	55	145	7	13
		40	42	37	IN CLR:	18	0	18	18	2	0.0	0.0	0.	293	50	159	5	13
					NOT CLR:	2	0	2	2	2	55.1	3.5	0.	146	100	23	2	0
4/20/76	CAA	354	370	213	FLT TOT:	19	0	19	19	8	21.7	.4	0.	141	88	159	19	0
		40	42	37	IN CLR:	13	0	13	13	2	0.0	0.0	0.	158	83	120	13	0
					NOT CLR:	6	0	6	6	6	68.8	1.3	0.	106	100	244	6	0
5/ 6/76	CAA	354	392	211	FLT TOT:	30	0	10	0	0	24.2	.8	0.	100	0	0	30	0
		40	42	37	IN CLR:	17	0	3	0	0	0.0	0.0	0.	103	0	0	17	0
					NOT CLR:	13	0	7	0	0	56.0	1.9	0.	98	0	0	13	0
5/ 6/76 *	CAA	380	410	214	FLT TOT:	34	0	22	0	0	0.0	0.0	0.	166	0	0	25	9
		39	42	36	IN CLR:	34	0	22	0	0	0.0	0.0	0.	166	0	0	25	9
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 8/76 *	CAA	374	390	215	FLT TOT:	32	0	20	0	0	1.6	.1	0.	351	0	0	22	10
		40	42	36	IN CLR:	31	0	19	0	0	0.0	0.0	0.	365	0	0	21	10
					NOT CLR:	1	0	1	0	0	52.2	2.0	0.	64	0	0	1	0
5/ 8/76	CAA	350	370	215	FLT TOT:	27	0	16	0	0	.6	.3	0.	259	0	0	27	0
		39	41	37	IN CLR:	24	0	15	0	0	0.0	0.0	0.	272	0	0	24	0
					NOT CLR:	3	0	1	0	0	5.0	2.3	0.	64	0	0	3	0
5/14/76	CAA	351	370	211	FLT TOT:	24	0	14	0	0	0.0	0.0	0.	113	0	0	24	0
		40	42	37	IN CLR:	24	0	14	0	0	0.0	0.0	0.	113	0	0	24	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/14/76 *	CAA	373	390	215	FLT TOT:	27	0	17	23	2	1.2	.3	0.	153	45	131	18	9
		39	42	36	IN CLR:	26	0	16	22	1	0.0	0.0	0.	150	42	131	17	9
					NOT CLR:	1	0	1	1	1	32.2	7.0	0.	195	100	124	1	0
LAX-LHR																		
2/10/79 *	BBB	336	390	193	FLT TOT:	96	0	63	50	10	13.8	.8	0.	190	51	27	54	42
		53	59	35	IN CLR:	69	0	45	36	4	0.0	0.0	0.	244	38	25	27	42
					NOT CLR:	27	0	18	14	6	49.0	2.7	0.	56	82	31	27	0
5/21/79	BDB	352	371	286	FLT TOT:	111	111	72	54	0	.0	.0	.254E+04	383	32	46	31	80
		53	62	35	IN CLR:	110	110	71	53	0	0.0	0.0	.135E+04	387	31	46	31	79
					NOT CLR:	1	1	1	1	0	1.6	2.0	.133E+06	164	84	30	0	1
11/15/78	BBB	349	370	250	FLT TOT:	102	102	67	53	3	.5	.1	.571E+01	186	28	57	35	67
		48	57	34	IN CLR:	97	97	63	50	1	0.0	0.0	.601E+01	194	24	55	30	67
					NOT CLR:	5	5	4	3	2	10.4	2.2	0.	57	96	90	5	0
11/17/78 *	BBB	350	390	260	FLT TOT:	113	113	64	63	2	5.2	.2	.133E+05	256	37	28	27	86
		59	70	35	IN CLR:	103	103	64	56	0	0.0	0.0	.827E+01	256	31	15	17	86
					NOT CLR:	10	10	0	7	2	58.6	2.6	.150E+06	0	88	132	10	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
LAX-LHR (CONT.)																		
11/18/78	BBB	333	371	240	FLT TOT:	98	98	66	44	4	9.8	.8	.255E+05	178	45	32	39	59
		53	61	35	IN CLR:	80	80	52	35	3	0.0	0.0	.141E+03	206	37	27	25	55
					NOT CLR:	18	18	14	9	1	53.4	4.4	.138E+06	78	78	50	14	4
11/19/78 *	BBB	343	370	208	FLT TOT:	109	109	71	54	1	2.4	.2	.583E+04	213	38	10	13	96
		61	73	35	IN CLR:	100	100	65	51	0	0.0	0.0	.297E+02	226	35	10	7	93
					NOT CLR:	9	9	6	3	1	28.8	2.3	.703E+05	70	85	14	6	3
11/20/78	BBB	344	370	263	FLT TOT:	100	100	65	56	5	1.6	.2	.164E+04	108	45	30	69	31
		46	53	35	IN CLR:	92	92	59	51	5	0.0	0.0	.286E+01	114	44	29	61	31
					NOT CLR:	8	8	6	5	0	19.9	2.1	.204E+05	45	60	32	8	0
12/ 9/78	BBB	344	370	262	FLT TOT:	112	112	73	56	2	1.7	.3	.611E+04	229	33	29	28	84
		50	56	35	IN CLR:	107	107	70	54	1	0.0	0.0	.650E+02	237	30	29	23	84
					NOT CLR:	5	5	3	2	1	37.3	6.4	.135E+06	44	98	51	5	0
12/14/78	BBB	346	370	208	FLT TOT:	105	105	66	49	11	5.8	.7	.293E+05	210	50	39	35	70
		46	53	35	IN CLR:	90	90	59	42	5	0.0	0.0	.206E+03	227	42	30	23	67
					NOT CLR:	15	15	7	7	6	40.3	4.7	.204E+06	64	98	92	12	3
LAX-NRT																		
2/17/79 *	BBB	326	331	248	FLT TOT:	94	0	62	50	0	11.5	1.0	0.	92	40	24	94	0
		40	42	35	IN CLR:	73	0	48	39	0	0.0	0.0	0.	104	27	19	73	0
					NOT CLR:	21	0	14	11	0	51.5	4.3	0.	49	85	42	21	0
5/25/79 *	BDB	347	370	245	FLT TOT:	98	98	62	47	13	4.7	.5	.635E+05	133	63	103	83	15
		39	41	35	IN CLR:	77	77	47	36	5	0.0	0.0	.961E+04	150	53	94	62	15
					NOT CLR:	21	21	15	11	8	21.9	2.5	.261E+06	82	97	135	21	0
5/31/79 *	BDB	348	370	191	FLT TOT:	101	101	65	48	8	4.4	.4	.634E+05	141	53	75	85	16
		41	44	34	IN CLR:	83	83	52	39	2	0.0	0.0	.193E+05	166	44	51	67	16
					NOT CLR:	18	18	13	9	6	24.5	2.1	.267E+06	42	92	180	18	0
11/ 3/78 *	BBB	348	370	252	FLT TOT:	82	82	54	44	9	21.8	1.6	.572E+05	86	58	40	71	11
		44	50	35	IN CLR:	47	47	31	27	1	0.0	0.0	.281E+03	109	38	31	38	9
					NOT CLR:	35	35	23	17	8	51.0	3.7	.134E+06	56	90	53	33	2
12/ 9/78 *	BBB	349	370	238	FLT TOT:	94	94	63	51	9	3.0	.3	.322E+04	125	55	21	50	44
		39	41	35	IN CLR:	84	84	57	45	6	0.0	0.0	.495E+02	130	52	20	46	38
					NOT CLR:	10	10	6	6	3	28.1	3.0	.298E+05	84	76	27	4	6
12/27/78 *	BBB	338	371	222	FLT TOT:	104	104	0	45	0	1.2	.2	.241E+05	0	26	26	0	0
		37	39	35	IN CLR:	102	102	0	45	0	0.0	0.0	.174E+04	0	26	26	0	0
					NOT CLR:	2	2	0	0	0	62.4	9.5	.116E+07	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
LAX-ORD																		
1/30/76 *	CAA	384	411	210	FLT TOT:	29	0	29	25	2	6.1	.1	0.	285	29	36	3	26
		39	42	35	IN CLR:	26	0	26	23	1	0.0	0.0	0.	308	27	37	1	25
					NOT CLR:	3	0	3	2	1	58.6	.7	0.	90	60	27	2	1
2/11/76 *	CAA	376	390	217	FLT TOT:	24	0	24	0	0	0.0	0.0	0.	188	0	0	9	15
		39	42	35	IN CLR:	24	0	24	0	0	0.0	0.0	0.	188	0	0	9	15
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/11/76	CAA	386	410	268	FLT TOT:	17	0	17	0	0	0.0	0.0	0.	173	0	0	4	13
		37	41	34	IN CLR:	17	0	17	0	0	0.0	0.0	0.	173	0	0	4	13
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/13/76	CAA	354	371	218	FLT TOT:	18	0	18	0	0	0.0	0.0	0.	180	0	0	2	16
		38	41	34	IN CLR:	18	0	18	0	0	0.0	0.0	0.	180	0	0	2	16
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/13/76 *	CAA	382	390	290	FLT TOT:	25	0	25	0	0	0.0	0.0	0.	130	0	0	2	23
		39	42	35	IN CLR:	25	0	25	0	0	0.0	0.0	0.	130	0	0	2	23
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/27/76	CAA	330	370	209	FLT TOT:	21	0	21	21	21	59.7	1.9	0.	39	100	137	21	0
		39	41	34	IN CLR:	2	0	2	2	2	0.0	0.0	0.	19	100	584	2	0
					NOT CLR:	19	0	19	19	19	66.0	2.1	0.	41	100	90	19	0
2/13/79 *	CAB	370	391	211	FLT TOT:	38	38	25	20	4	9.0	.9	.587E+05	54	73	63	38	0
		38	41	34	IN CLR:	27	27	18	15	0	0.0	0.0	.269E+03	61	63	52	27	0
					NOT CLR:	11	11	7	5	4	31.0	3.0	.202E+06	35	100	96	11	0
2/21/79 *	CAB	372	391	239	FLT TOT:	40	40	25	20	15	7.6	.4	.224E+05	286	91	68	16	24
		39	42	34	IN CLR:	31	31	20	17	12	0.0	0.0	.504E+02	344	89	74	7	24
					NOT CLR:	9	9	5	3	3	33.6	1.8	.994E+05	57	100	35	9	0
2/25/79	CAB	333	371	201	FLT TOT:	40	40	26	19	12	5.5	.5	.112E+05	102	79	127	35	5
		39	41	36	IN CLR:	31	31	21	15	8	0.0	0.0	.235E+04	104	74	152	26	5
					NOT CLR:	9	9	5	4	4	24.5	2.0	.415E+05	93	100	31	9	0
2/26/79 *	CAB	344	379	236	FLT TOT:	28	28	19	16	3	5.4	.2	.797E+04	153	84	47	25	3
		39	42	34	IN CLR:	24	24	17	13	2	0.0	0.0	.451E+03	165	83	51	21	3
					NOT CLR:	4	4	2	3	1	37.8	1.5	.530E+05	50	91	30	4	0
3/ 6/76	CAA	348	370	203	FLT TOT:	21	0	21	21	5	0.0	0.0	0.	197	60	82	13	8
		38	41	34	IN CLR:	21	0	21	21	5	0.0	0.0	0.	197	60	82	13	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 6/76 *	CAA	388	411	215	FLT TOT:	22	0	22	22	0	0.0	0.0	0.	348	28	32	2	20
		40	42	35	IN CLR:	22	0	22	22	0	0.0	0.0	0.	348	28	32	2	20
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 1/79	CAB	358	370	246	FLT TOT:	25	25	13	11	10	24.9	1.2	.478E+05	191	100	39	5	20
		39	41	35	IN CLR:	12	12	6	6	5	0.0	0.0	.119E+04	278	100	55	1	11
					NOT CLR:	13	13	7	5	5	48.0	2.3	.909E+05	98	100	20	4	9

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
LAX-ORD (CONT.)																		
3/ 6/79 *	CAB	385	391	321	FLT TOT:	30	30	18	16	13	0.0	0.0	.113E+03	413	90	80	1	29
		39	42	35	IN CLR:	30	30	18	16	13	0.0	0.0	.113E+03	413	90	80	1	29
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 7/79 *	CAB	359	390	272	FLT TOT:	7	7	3	0	0	0.0	0.0	.607E+02	623	0	0	1	6
		40	42	34	IN CLR:	7	7	3	0	0	0.0	0.0	.607E+02	623	0	0	1	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 7/79	CAB	344	371	230	FLT TOT:	11	9	6	4	1	0.0	0.0	.166E+03	107	78	78	10	1
		38	41	35	IN CLR:	11	9	6	4	1	0.0	0.0	.166E+03	107	78	78	10	1
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/10/79	CAB	331	370	201	FLT TOT:	11	10	5	6	2	0.0	0.0	.422E+03	303	57	116	9	2
		37	41	34	IN CLR:	11	10	5	6	2	0.0	0.0	.422E+03	303	57	116	9	2
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/11/79 *	CAB	383	390	284	FLT TOT:	29	29	19	18	6	3.4	.0	.633E+04	160	84	64	4	25
		39	41	35	IN CLR:	28	28	18	17	6	0.0	0.0	.560E+02	164	86	61	3	25
					NOT CLR:	1	1	1	1	0	98.8	1.0	.182E+06	84	63	110	1	0
3/15/79 *	CAB	358	391	229	FLT TOT:	36	36	20	20	3	2.3	.4	.333E+05	191	74	36	0	0
		38	42	34	IN CLR:	30	30	18	16	2	0.0	0.0	.707E+04	193	75	25	0	0
					NOT CLR:	6	6	2	4	1	13.5	2.7	.165E+06	171	74	78	0	0
3/17/79 *	CAB	373	391	220	FLT TOT:	36	36	22	18	3	13.6	.4	.248E+05	365	54	34	13	23
		39	42	34	IN CLR:	26	26	16	16	1	0.0	0.0	.301E+03	463	48	33	3	23
					NOT CLR:	10	10	6	2	2	48.9	1.3	.886E+05	104	100	39	10	0
3/20/79 *	CAB	361	390	211	FLT TOT:	36	36	24	21	7	15.8	.7	.372E+05	278	62	56	11	25
		38	42	34	IN CLR:	24	24	16	14	1	0.0	0.0	.277E+03	391	46	48	6	18
					NOT CLR:	12	12	8	7	6	47.5	2.2	.111E+06	51	94	72	5	7
3/26/79	CAB	363	391	240	FLT TOT:	30	30	19	14	1	.3	.2	.873E+03	226	59	29	16	14
		38	41	35	IN CLR:	29	29	18	14	1	0.0	0.0	.800E+03	236	59	29	15	14
					NOT CLR:	1	1	1	0	0	8.2	6.0	.299E+04	60	0	0	1	0
3/29/79	CAB	359	371	194	FLT TOT:	31	31	20	13	3	3.9	.2	.192E+05	261	84	55	16	15
		38	42	34	IN CLR:	29	29	19	13	3	0.0	0.0	.743E+03	270	84	55	14	15
					NOT CLR:	2	2	1	0	0	60.4	2.5	.287E+06	89	0	0	2	0
4/29/76 *	CAA	367	390	216	FLT TOT:	9	0	9	9	8	0.0	0.0	0.	183	95	77	9	0
		40	42	39	IN CLR:	9	0	9	9	8	0.0	0.0	0.	183	95	77	9	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 1/76	CAA	362	371	252	FLT TOT:	35	0	11	28	14	0.0	0.0	0.	129	85	45	27	8
		39	42	34	IN CLR:	35	0	11	28	14	0.0	0.0	0.	129	85	45	27	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 1/76 *	CAA	343	351	218	FLT TOT:	27	0	18	22	13	0.0	0.0	0.	140	90	57	27	0
		39	42	35	IN CLR:	27	0	18	22	13	0.0	0.0	0.	140	90	57	27	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
LAX-ORD (CONT.)																		
5/ 3/76	CAA	358	370	209	FLT TOT:	33	0	18	27	21	20.8	1.4	0.	104	88	47	29	4
		38	41	34	IN CLR:	12	0	4	9	3	0.0	0.0	0.	100	65	89	8	4
					NOT CLR:	21	0	14	18	18	32.7	2.2	0.	106	100	26	21	0
5/ 3/76 *	CAA	375	390	215	FLT TOT:	36	0	15	28	22	8.3	.4	0.	231	91	51	30	6
		39	42	35	IN CLR:	26	0	9	20	14	0.0	0.0	0.	283	88	40	20	6
					NOT CLR:	10	0	6	8	8	29.9	1.6	0.	152	100	78	10	0
5/ 4/76 *	CAA	375	390	192	FLT TOT:	39	0	17	0	0	9.4	1.0	0.	242	0	0	39	0
		39	42	34	IN CLR:	25	0	11	0	0	0.0	0.0	0.	299	0	0	25	0
					NOT CLR:	14	0	6	0	0	26.1	2.9	0.	137	0	0	14	0
5/ 4/76	CAA	385	410	218	FLT TOT:	34	0	11	27	19	.4	.2	0.	374	95	28	16	18
		39	42	34	IN CLR:	31	0	11	24	16	0.0	0.0	0.	374	94	22	13	18
					NOT CLR:	3	0	0	3	3	4.4	2.3	0.	0	100	76	3	0
5/ 5/76	CAA	358	410	209	FLT TOT:	27	0	15	0	0	15.1	1.2	0.	175	0	0	27	0
		38	41	34	IN CLR:	11	0	5	0	0	0.0	0.0	0.	262	0	0	11	0
					NOT CLR:	16	0	10	0	0	25.6	2.1	0.	131	0	0	16	0
5/31/79 *	CAB	385	391	282	FLT TOT:	35	35	0	6	0	.7	.1	.147E+04	0	56	50	6	29
		38	42	34	IN CLR:	32	32	0	6	0	0.0	0.0	.495E+03	0	56	50	4	28
					NOT CLR:	3	3	0	0	0	8.0	1.3	.119E+05	0	0	0	2	1
6/18/78	CAB	363	371	281	FLT TOT:	30	30	19	16	2	19.9	1.4	.240E+05	59	69	97	30	0
		39	41	35	IN CLR:	15	15	9	10	0	0.0	0.0	.125E+04	76	53	50	15	0
					NOT CLR:	15	15	10	6	2	39.7	2.9	.467E+05	43	96	175	15	0
6/21/78 *	CAB	345	351	236	FLT TOT:	36	36	22	21	0	.1	.0	.257E+03	53	41	81	36	0
		37	41	34	IN CLR:	35	35	22	21	0	0.0	0.0	.179E+03	53	41	81	35	0
					NOT CLR:	1	1	0	0	0	2.0	1.0	.299E+04	0	0	0	1	0
6/29/78 *	CAB	342	352	218	FLT TOT:	31	31	20	16	0	.8	.5	.201E+03	80	28	59	31	0
		38	41	34	IN CLR:	28	28	18	16	0	0.0	0.0	.214E+03	81	28	59	26	0
					NOT CLR:	3	3	2	0	0	8.2	4.7	.850E+02	68	0	0	3	0
6/ 1/79	CAB	364	370	299	FLT TOT:	30	30	0	16	1	4.3	.4	.686E+04	0	64	45	20	10
		39	41	35	IN CLR:	27	27	0	14	1	0.0	0.0	.286E+04	0	60	44	17	10
					NOT CLR:	3	3	0	2	0	42.6	4.0	.429E+05	0	90	47	3	0
7/ 3/78 *	CAB	374	391	201	FLT TOT:	36	36	16	21	4	0.0	0.0	.156E+02	90	57	65	36	0
		38	41	34	IN CLR:	36	36	16	21	4	0.0	0.0	.156E+02	90	57	65	36	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/18/78 *	CAB	352	391	196	FLT TOT:	35	35	22	8	4	.4	.2	.617E+03	97	68	533	35	0
		38	41	34	IN CLR:	32	32	21	8	4	0.0	0.0	.424E+02	98	68	533	32	0
					NOT CLR:	3	3	1	0	0	4.3	2.3	.675E+04	92	0	0	3	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
LAX-PIK																		
11/10/78	BBB	330	369	232	FLT TOT:	90	90	58	51	7	23.7	2.3	.109E+06	104	61	57	57	33
		50	56	35	IN CLR:	40	40	26	25	0	0.0	0.0	.102E+04	180	32	25	10	30
					NOT CLR:	50	50	32	26	7	42.7	4.1	.195E+06	42	90	88	47	3
LAX-PPT																		
5/13/79	BDB	360	391	246	FLT TOT:	86	86	0	42	4	2.7	.5	.656E+05	0	47	113	86	0
		8	32	-16	IN CLR:	75	75	0	38	1	0.0	0.0	.825E+03	0	43	59	75	0
					NOT CLR:	11	11	0	4	3	21.4	3.6	.507E+06	0	90	623	11	0
5/27/79 *	BDB	364	370	265	FLT TOT:	80	80	54	34	2	4.0	.7	.732E+05	56	31	43	80	0
		9	33	-14	IN CLR:	72	72	49	30	0	0.0	0.0	.174E+03	58	25	32	72	0
					NOT CLR:	8	8	5	4	2	39.6	7.4	.730E+06	36	73	124	8	0
10/22/78	BBB	371	390	251	FLT TOT:	76	76	47	0	0	7.0	.5	.185E+05	43	0	0	76	0
		7	32	-15	IN CLR:	66	66	40	0	0	0.0	0.0	.691E+01	46	0	0	66	0
					NOT CLR:	10	10	7	0	0	53.1	4.0	.141E+06	22	0	0	10	0
11/ 5/78 *	BBB	378	410	248	FLT TOT:	80	80	50	36	5	2.1	.4	.412E+04	58	43	56	80	0
		9	33	-15	IN CLR:	72	72	46	33	2	0.0	0.0	.363E+02	61	38	50	72	0
					NOT CLR:	8	8	4	3	3	21.3	3.6	.409E+05	21	100	117	8	0
12/11/77	BCB	373	390	258	FLT TOT:	80	80	49	0	0	8.0	0.0	.280E+05	32	0	0	80	0
		8	33	-15	IN CLR:	66	66	40	0	0	0.0	0.0	.197E+02	33	0	0	66	0
					NOT CLR:	14	14	9	0	0	45.7	0.0	.160E+06	23	0	0	14	0
12/18/77 *	BCB	374	391	290	FLT TOT:	76	76	51	0	0	8.9	0.0	.294E+05	35	0	0	76	0
		9	33	-14	IN CLR:	59	59	40	0	0	0.0	0.0	.136E+03	37	0	0	59	0
					NOT CLR:	17	17	11	0	0	39.6	0.0	.131E+06	28	0	0	17	0
LAX-SEA																		
6/ 4/77	AAA	380	390	253	FLT TOT:	15	15	8	0	0	1.3	.6	.926E+02	42	0	0	15	0
		42	47	36	IN CLR:	12	12	6	0	0	0.0	0.0	.329E+02	50	0	0	12	0
					NOT CLR:	3	3	2	0	0	6.5	3.0	.331E+03	20	0	0	3	0
LAX-SFO																		
1/18/78	ABB	340	350	303	FLT TOT:	5	5	0	2	0	.9	.4	.131E+02	0	60	87	5	0
		36	37	34	IN CLR:	4	4	0	2	0	0.0	0.0	.815E+01	0	60	87	4	0
					NOT CLR:	1	1	0	0	0	4.7	2.0	.330E+02	0	0	0	1	0
2/11/79 *	CAB	274	331	201	FLT TOT:	6	6	3	3	1	3.5	.8	.247E+05	42	54	131	6	0
		35	36	34	IN CLR:	3	3	2	1	0	0.0	0.0	.105E+04	47	22	132	3	0
					NOT CLR:	3	3	1	2	1	7.1	1.7	.484E+05	33	70	131	3	0
2/17/79	BBB	310	351	200	FLT TOT:	5	0	2	3	1	21.3	2.8	0.	54	78	32	5	0
		36	37	35	IN CLR:	1	0	0	0	0	0.0	0.0	0.	0	0	0	1	0
					NOT CLR:	4	0	2	3	1	26.7	3.5	0.	54	78	32	4	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
LAX-SFO (CONT.)																		
5/ 1/76 *	BBA	269	292	214	FLT TOT:	6	0	2	0	0	0.0	0.0	0.	116	0	0	6	0
		36	37	35	IN CLR:	6	0	2	0	0	0.0	0.0	0.	116	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 2/78 *	ABB	333	370	219	FLT TOT:	5	5	0	1	0	0.0	0.0	.112E+02	0	20	292	5	0
		36	37	35	IN CLR:	5	5	0	1	0	0.0	0.0	.112E+02	0	20	292	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 5/78 *	ABB	323	370	186	FLT TOT:	5	5	0	1	0	22.7	.6	.346E+05	0	12	428	5	0
		36	37	34	IN CLR:	3	3	0	1	0	0.0	0.0	.130E+03	0	12	428	3	0
					NOT CLR:	2	2	0	0	0	56.7	1.5	.862E+05	0	0	0	2	0
9/ 1/76 *	BBA	275	289	225	FLT TOT:	5	0	3	0	0	0.0	0.0	0.	31	0	0	5	0
		36	37	35	IN CLR:	5	0	3	0	0	0.0	0.0	0.	31	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
10/24/78	BBB	334	350	299	FLT TOT:	5	5	2	0	0	0.0	0.0	.266E+02	57	0	0	5	0
		35	36	35	IN CLR:	5	5	2	0	0	0.0	0.0	.266E+02	57	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/ 5/78	BBB	324	350	265	FLT TOT:	5	5	2	2	1	44.1	3.2	.830E+05	35	100	73	5	0
		35	36	35	IN CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	5	5	2	2	1	44.1	3.2	.830E+05	35	100	73	5	0
12/11/77 *	BCB	271	291	195	FLT TOT:	5	5	2	0	0	3.1	0.0	.526E+04	35	0	0	5	0
		36	37	35	IN CLR:	3	3	1	0	0	0.0	0.0	0.	45	0	0	3	0
					NOT CLR:	2	2	1	0	0	7.6	0.0	.132E+05	24	0	0	2	0
12/18/77	BCB	305	350	203	FLT TOT:	7	7	4	0	0	1.1	0.0	.103E+04	52	0	0	7	0
		36	37	34	IN CLR:	5	5	3	0	0	0.0	0.0	.143E+04	54	0	0	5	0
					NOT CLR:	2	2	1	0	0	3.7	0.0	.334E+02	45	0	0	2	0
12/27/78	BBB	336	351	312	FLT TOT:	5	5	0	3	0	.2	.2	.930E+02	0	61	48	0	0
		35	36	35	IN CLR:	4	4	0	3	0	0.0	0.0	.116E+03	0	61	48	0	0
					NOT CLR:	1	1	0	0	0	1.2	1.0	0.	0	0	0	0	0
LHR-LPA																		
12/13/78	BBB	384	390	301	FLT TOT:	16	16	2	7	4	7.9	1.4	.339E+05	16	97	30	16	0
		33	37	29	IN CLR:	8	8	1	4	1	0.0	0.0	.108E+03	31	94	29	8	0
					NOT CLR:	8	8	1	3	3	15.9	2.9	.677E+05	1	100	33	8	0
LHR-PIK																		
11/11/78 *	BBB	230	230	229	FLT TOT:	6	6	3	3	0	0.0	0.0	.111E+02	38	49	272	6	0
		53	54	52	IN CLR:	6	6	3	3	0	0.0	0.0	.111E+02	38	49	272	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
LHR-SEA																		
2/18/79 *	BBB	339	370	255	FLT TOT:	91	0	57	42	3	19.2	1.0	0.	168	50	17	48	43
		62	69	49	IN CLR:	58	0	36	25	0	0.0	0.0	0.	231	36	10	19	39
					NOT CLR:	33	0	21	17	3	53.0	2.9	0.	60	71	27	29	4
2/18/79	BBB	339	351	230	FLT TOT:	94	0	61	53	1	2.7	.5	0.	205	41	21	22	72
		61	68	48	IN CLR:	83	0	53	47	1	0.0	0.0	0.	225	38	18	15	68
					NOT CLR:	11	0	6	5	0	23.1	4.4	0.	68	65	41	7	4
3/25/76 *	BBA	343	371	223	FLT TOT:	53	0	53	0	0	.3	.1	0.	398	0	0	7	46
		60	64	50	IN CLR:	47	0	47	0	0	0.0	0.0	0.	405	0	0	6	41
					NOT CLR:	6	0	6	0	0	2.6	1.0	0.	347	0	0	1	5
3/26/76	BBA	343	391	224	FLT TOT:	65	0	65	0	0	.1	.1	0.	430	0	0	32	33
		65	76	48	IN CLR:	60	0	60	0	0	0.0	0.0	0.	427	0	0	29	31
					NOT CLR:	5	0	5	0	0	.9	1.6	0.	466	0	0	3	2
4/22/76	BBA	359	371	291	FLT TOT:	62	0	62	0	0	.9	.2	0.	452	0	0	17	45
		61	69	49	IN CLR:	58	0	58	0	0	0.0	0.0	0.	477	0	0	13	45
					NOT CLR:	4	0	4	0	0	14.1	2.8	0.	79	0	0	4	0
4/29/76 *	BBA	345	371	203	FLT TOT:	61	0	61	0	0	1.4	.2	0.	443	0	0	26	35
		62	69	49	IN CLR:	56	0	56	0	0	0.0	0.0	0.	464	0	0	22	34
					NOT CLR:	5	0	5	0	0	17.6	2.2	0.	203	0	0	4	1
4/30/76	BBA	349	371	206	FLT TOT:	66	0	66	0	0	14.9	.5	0.	345	0	0	33	33
		62	70	49	IN CLR:	52	0	52	0	0	0.0	0.0	0.	414	0	0	19	33
					NOT CLR:	14	0	14	0	0	70.4	2.6	0.	90	0	0	14	0
6/10/77	AAA	396	429	283	FLT TOT:	94	94	59	0	0	0.0	0.0	.612E+01	512	0	0	4	90
		63	70	48	IN CLR:	94	94	59	0	0	0.0	0.0	.612E+01	512	0	0	4	90
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/11/77 *	AAA	397	410	295	FLT TOT:	83	83	55	0	0	1.8	.3	.668E+04	431	0	0	7	76
		60	65	48	IN CLR:	76	76	51	0	0	0.0	0.0	.690E+01	459	0	0	1	75
					NOT CLR:	7	7	4	0	0	21.7	3.4	.791E+05	81	0	0	6	1
6/12/77	AAA	402	430	304	FLT TOT:	90	90	59	0	0	.5	.0	.488E+03	424	0	0	1	89
		64	73	49	IN CLR:	88	88	58	0	0	0.0	0.0	.705E+00	424	0	0	0	88
					NOT CLR:	2	2	1	0	0	22.9	2.0	.219E+05	447	0	0	1	1
6/13/77 *	AAA	390	411	249	FLT TOT:	89	89	56	0	0	2.5	.2	.446E+05	389	0	0	5	84
		58	64	48	IN CLR:	85	85	54	0	0	0.0	0.0	.294E+02	401	0	0	1	84
					NOT CLR:	4	4	2	0	0	56.5	4.5	.992E+06	50	0	0	4	0
6/17/77	ACA	387	391	195	FLT TOT:	100	100	66	0	0	.3	0.0	.229E+03	543	0	0	9	91
		62	69	48	IN CLR:	98	98	65	0	0	0.0	0.0	.135E+03	550	0	0	7	91
					NOT CLR:	2	2	1	0	0	16.1	0.0	.484E+04	101	0	0	2	0
6/18/77 *	ACA	377	391	269	FLT TOT:	83	83	56	0	0	.1	0.0	.233E+03	528	0	0	3	80
		63	68	51	IN CLR:	81	81	54	0	0	0.0	0.0	.187E+03	533	0	0	2	79
					NOT CLR:	2	2	2	0	0	3.3	0.0	.213E+04	388	0	0	1	1

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
LHR-SEA (CONT.)																		
6/19/77	ACA	402	430	301	FLT TOT:	67	67	38	0	0	0.0	0.0	.608E+02	526	0	0	2	65
		59	62	52	IN CLR:	67	67	38	0	0	0.0	0.0	.608E+02	526	0	0	2	65
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/20/77 *	ACA	391	410	356	FLT TOT:	78	78	44	0	0	1.1	0.0	.716E+04	553	0	0	5	73
		64	69	53	IN CLR:	77	77	44	0	0	0.0	0.0	.132E+03	553	0	0	5	72
					NOT CLR:	1	1	0	0	0	83.1	0.0	.548E+06	0	0	0	0	1
6/21/77	ACA	400	430	195	FLT TOT:	96	96	61	0	0	.0	0.0	.122E+03	491	0	0	5	91
		62	68	49	IN CLR:	95	95	60	0	0	0.0	0.0	.561E+02	495	0	0	5	90
					NOT CLR:	1	1	1	0	0	3.5	0.0	.643E+04	252	0	0	0	1
6/22/77 *	ACA	394	410	289	FLT TOT:	89	89	60	0	0	0.0	0.0	.600E+02	481	0	0	16	73
		62	69	48	IN CLR:	89	89	60	0	0	0.0	0.0	.600E+02	481	0	0	16	73
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/25/77 *	ACA	392	410	245	FLT TOT:	92	92	56	0	0	0.0	0.0	.699E+02	484	0	0	10	82
		61	67	49	IN CLR:	92	92	56	0	0	0.0	0.0	.699E+02	484	0	0	10	82
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/26/77	ACA	401	430	185	FLT TOT:	90	0	0	0	0	0.0	0.0	0.	0	0	0	2	88
		65	77	48	IN CLR:	90	0	0	0	0	0.0	0.0	0.	0	0	0	2	88
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/27/77 *	ACA	393	410	299	FLT TOT:	89	0	0	0	0	.0	0.0	0.	0	0	0	3	86
		60	67	48	IN CLR:	88	0	0	0	0	0.0	0.0	0.	0	0	0	3	85
					NOT CLR:	1	0	0	0	0	.4	0.0	0.	0	0	0	0	1
6/28/77	ACA	387	410	304	FLT TOT:	97	0	0	0	0	1.8	0.0	0.	0	0	0	4	93
		64	73	49	IN CLR:	92	0	0	0	0	0.0	0.0	0.	0	0	0	0	92
					NOT CLR:	5	0	0	0	0	34.0	0.0	0.	0	0	0	4	1
6/29/77 *	ACA	395	410	296	FLT TOT:	39	0	0	0	0	1.0	0.0	0.	0	0	0	7	82
		57	61	48	IN CLR:	86	0	0	0	0	0.0	0.0	0.	0	0	0	4	82
					NOT CLR:	3	0	0	0	0	30.6	0.0	0.	0	0	0	3	0
10/ 8/78	BBB	341	390	251	FLT TOT:	94	94	62	0	0	5.0	.3	.208E+05	159	0	0	53	41
		62	70	49	IN CLR:	84	84	56	0	0	0.0	0.0	.160E+03	168	0	0	44	40
					NOT CLR:	10	10	6	0	0	46.7	2.9	.194E+06	75	0	0	9	1
10/ 9/78 *	BBB	329	331	256	FLT TOT:	83	83	55	0	0	15.7	1.1	.523E+05	139	0	0	52	31
		62	69	49	IN CLR:	52	52	34	0	0	0.0	0.0	.161E+02	189	0	0	21	31
					NOT CLR:	31	31	21	0	0	42.1	2.9	.140E+06	58	0	0	31	0
10/20/78	BBB	328	390	256	FLT TOT:	106	106	70	0	0	21.4	1.4	.645E+05	139	0	0	53	53
		60	68	49	IN CLR:	63	63	41	0	0	0.0	0.0	.220E+03	203	0	0	10	53
					NOT CLR:	43	43	29	0	0	52.9	3.4	.159E+06	49	0	0	43	0
10/21/78 *	BBB	328	331	254	FLT TOT:	87	87	54	0	0	4.1	.5	.507E+05	178	0	0	39	48
		58	61	48	IN CLR:	73	73	46	0	0	0.0	0.0	.274E+02	199	0	0	25	48
					NOT CLR:	14	14	8	0	0	25.6	3.1	.315E+06	54	0	0	14	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O	H2S	AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
LHR-SEA (CONT.)																		
12/ 7/77 *	BCB	329	331	253	FLT TOT:	95	95	63	0	0	0.0	0.0	.483E+01	238	0	0	5	90
		57	62	48	IN CLR:	95	95	63	0	0	0.0	0.0	.483E+01	238	0	0	5	90
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 8/77	BCB	341	370	240	FLT TOT:	92	92	56	0	0	1.1	0.0	.366E+04	239	0	0	21	71
		62	70	48	IN CLR:	86	86	52	0	0	0.0	0.0	.539E+02	253	0	0	15	71
					NOT CLR:	6	6	4	0	0	16.8	0.0	.554E+05	59	0	0	6	0
12/ 9/77 *	BCB	325	330	234	FLT TOT:	90	90	47	0	0	3.6	0.0	.262E+05	228	0	0	9	81
		57	62	48	IN CLR:	81	81	46	0	0	0.0	0.0	.889E+01	232	0	0	3	78
					NOT CLR:	9	9	1	0	0	36.4	0.0	.262E+06	51	0	0	6	3
12/10/77	BCB	349	390	265	FLT TOT:	94	94	52	0	0	.2	0.0	.194E+04	249	0	0	10	84
		63	70	49	IN CLR:	92	92	51	0	0	0.0	0.0	.177E+01	252	0	0	10	82
					NOT CLR:	2	2	1	0	0	9.2	0.0	.910E+05	93	0	0	0	2
LHR-SFO																		
6/10/77 *	AAA	393	410	288	FLT TOT:	93	93	60	0	0	5.7	.3	.213E+05	444	0	0	14	79
		58	67	39	IN CLR:	83	83	54	0	0	0.0	0.0	.361E+02	487	0	0	4	79
					NOT CLR:	10	10	6	0	0	53.3	2.7	.198E+06	58	0	0	10	0
6/11/77	AAA	387	410	267	FLT TOT:	105	105	67	0	0	.2	.1	.867E+01	426	0	0	2	103
		59	69	38	IN CLR:	103	103	67	0	0	0.0	0.0	.433E+01	426	0	0	0	103
					NOT CLR:	2	2	0	0	0	11.0	3.0	.232E+03	0	0	0	2	0
6/12/77 *	AAA	394	411	285	FLT TOT:	94	94	63	0	0	2.9	.4	.133E+05	330	0	0	12	82
		54	64	38	IN CLR:	83	83	55	0	0	0.0	0.0	.489E+02	355	0	0	7	76
					NOT CLR:	11	11	8	0	0	25.2	3.0	.113E+06	158	0	0	5	6
6/13/77	AAA	394	410	212	FLT TOT:	111	111	73	0	0	.4	.0	.126E+04	473	0	0	3	108
		61	73	39	IN CLR:	109	109	72	0	0	0.0	0.0	.465E+01	478	0	0	1	108
					NOT CLR:	2	2	1	0	0	23.1	1.5	.695E+05	98	0	0	2	0
6/17/77 *	ACA	396	410	306	FLT TOT:	106	106	67	0	0	3.1	0.0	.258E+05	486	0	0	14	92
		54	62	38	IN CLR:	95	95	64	0	0	0.0	0.0	.181E+03	505	0	0	5	90
					NOT CLR:	11	11	3	0	0	30.2	0.0	.247E+06	76	0	0	9	2
6/18/77	ACA	396	410	242	FLT TOT:	112	112	72	0	0	.4	0.0	.926E+03	471	0	0	12	100
		56	62	39	IN CLR:	108	108	70	0	0	0.0	0.0	.173E+03	481	0	0	10	98
					NOT CLR:	4	4	2	0	0	11.9	0.0	.212E+05	119	0	0	2	2
6/19/77 *	ACA	392	411	250	FLT TOT:	98	98	65	0	0	2.2	0.0	.118E+05	464	0	0	18	80
		58	67	39	IN CLR:	89	89	61	0	0	0.0	0.0	.448E+02	485	0	0	11	78
					NOT CLR:	9	9	4	0	0	24.0	0.0	.128E+06	150	0	0	7	2
6/20/77	ACA	387	393	194	FLT TOT:	110	110	74	0	0	3.8	0.0	.707E+04	451	0	0	19	91
		58	67	38	IN CLR:	96	96	65	0	0	0.0	0.0	.101E+03	491	0	0	9	87
					NOT CLR:	14	14	9	0	0	30.1	0.0	.549E+05	160	0	0	10	4

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
LHR-SFO (CONT.)																		
6/21/77 *	ACA	392	410	275	FLT TOT:	94	94	60	0	0	8.7	0.0	.145E+06	427	0	0	32	62
		53	60	38	IN CLR:	76	76	47	0	0	0.0	0.0	.362E+03	500	0	0	14	62
					NOT CLR:	18	18	13	0	0	45.5	0.0	.755E+06	162	0	0	18	0
6/22/77	ACA	384	410	263	FLT TOT:	111	111	71	0	0	.2	0.0	.499E+04	424	0	0	23	88
		58	67	38	IN CLR:	110	110	70	0	0	0.0	0.0	.122E+03	427	0	0	23	87
					NOT CLR:	1	1	1	0	0	20.0	0.0	.540E+06	176	0	0	0	1
6/25/77	ACA	385	410	190	FLT TOT:	106	106	53	0	0	.9	0.0	.375E+04	507	0	0	20	86
		62	77	38	IN CLR:	99	99	51	0	0	0.0	0.0	.298E+02	512	0	0	14	85
					NOT CLR:	7	7	2	0	0	14.0	0.0	.564E+05	379	0	0	6	1
6/26/77 *	ACA	385	411	291	FLT TOT:	95	0	0	0	0	2.4	0.0	0.	0	0	0	18	77
		58	67	39	IN CLR:	87	0	0	0	0	0.0	0.0	0.	0	0	0	10	77
					NOT CLR:	8	0	0	0	0	28.3	0.0	0.	0	0	0	8	0
6/27/77	ACA	381	410	254	FLT TOT:	114	0	0	0	0	2.1	0.0	0.	0	0	0	21	93
		60	70	38	IN CLR:	107	0	0	0	0	0.0	0.0	0.	0	0	0	14	93
					NOT CLR:	7	0	0	0	0	34.1	0.0	0.	0	0	0	7	0
6/28/77 *	ACA	384	410	241	FLT TOT:	99	0	0	0	0	1.2	0.0	0.	0	0	0	19	80
		57	65	39	IN CLR:	97	0	0	0	0	0.0	0.0	0.	0	0	0	17	80
					NOT CLR:	2	0	0	0	0	59.2	0.0	0.	0	0	0	2	0
6/29/77	ACA	365	410	220	FLT TOT:	107	0	0	0	0	3.8	0.0	0.	0	0	0	20	87
		60	69	39	IN CLR:	95	0	0	0	0	0.0	0.0	0.	0	0	0	9	86
					NOT CLR:	12	0	0	0	0	34.0	0.0	0.	0	0	0	11	1
10/28/77 *	ABB	384	430	290	FLT TOT:	42	0	0	0	0	1.6	.1	0.	0	0	0	3	39
		66	88	40	IN CLR:	41	0	0	0	0	0.0	0.0	0.	0	0	0	2	39
					NOT CLR:	1	0	0	0	0	65.5	3.0	0.	0	0	0	1	0
10/ 9/78	BBB	349	391	219	FLT TOT:	113	113	63	0	0	4.4	.4	.156E+05	141	0	0	67	46
		58	67	39	IN CLR:	94	94	50	0	0	0.0	0.0	.223E+03	166	0	0	49	45
					NOT CLR:	19	19	13	0	0	26.3	2.6	.914E+05	46	0	0	18	1
10/10/78 *	BBB	329	372	203	FLT TOT:	95	95	61	0	0	13.3	.7	.530E+05	120	0	0	75	20
		58	67	39	IN CLR:	69	69	45	0	0	0.0	0.0	.344E+03	145	0	0	50	19
					NOT CLR:	26	26	16	0	0	48.5	2.7	.193E+06	51	0	0	25	1
10/21/78	BBB	338	371	238	FLT TOT:	108	108	69	0	0	1.0	.2	.129E+04	223	0	0	28	80
		60	71	39	IN CLR:	100	100	63	0	0	0.0	0.0	.569E+02	238	0	0	20	80
					NOT CLR:	8	8	6	0	0	12.9	3.3	.166E+05	57	0	0	8	0
MEL-PER																		
1/27/77	DDA	348	350	279	FLT TOT:	36	36	16	0	0	0.0	0.0	.117E+02	84	0	0	36	0
		-35	-33	-38	IN CLR:	36	36	16	0	0	0.0	0.0	.117E+02	84	0	0	36	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
MEL-PER (CONT.)																		
1/29/77 *	DDA	359	370	201	FLT TOT:	30	30	8	0	0	0.0	0.0	.109E+02	61	0	0	30	0
		-35	-33	-38	IN CLR:	30	30	8	0	0	0.0	0.0	.109E+02	61	0	0	30	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/ 2/77	DDA	383	390	291	FLT TOT:	35	35	12	0	0	.7	.3	.515E+04	79	0	0	35	0
		-35	-33	-38	IN CLR:	34	34	12	0	0	0.0	0.0	.684E+01	79	0	0	34	0
					NOT CLR:	1	1	0	0	0	23.9	10.0	.180E+06	0	0	0	1	0
2/16/77	DDA	382	390	244	FLT TOT:	35	35	23	0	0	0.0	0.0	.103E+02	90	0	0	0	0
		-35	-33	-38	IN CLR:	35	35	23	0	0	0.0	0.0	.103E+02	90	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/19/77 *	DDA	362	371	261	FLT TOT:	30	30	19	0	0	.5	.1	.267E+02	92	0	0	0	0
		-35	-33	-38	IN CLR:	29	29	18	0	0	0.0	0.0	.265E+02	94	0	0	0	0
					NOT CLR:	1	1	1	0	0	16.1	2.0	.310E+02	66	0	0	0	0
12/28/76	DDA	343	350	197	FLT TOT:	36	0	0	0	0	0.0	0.0	0.	0	0	0	36	0
		-35	-33	-37	IN CLR:	36	0	0	0	0	0.0	0.0	0.	0	0	0	36	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
MEL-SIN																		
2/21/77	DDA	361	390	265	FLT TOT:	73	73	47	0	0	23.5	1.6	.173E+06	41	0	0	0	0
		-20	0	-37	IN CLR:	48	48	32	0	0	0.0	0.0	.106E+02	50	0	0	0	0
					NOT CLR:	25	25	15	0	0	68.5	4.6	.506E+06	23	0	0	0	0
2/24/77 *	DDA	314	350	235	FLT TOT:	75	75	49	0	0	11.4	.6	.342E+05	44	0	0	0	0
		-20	0	-37	IN CLR:	58	58	37	0	0	0.0	0.0	.180E+02	53	0	0	0	0
					NOT CLR:	17	17	12	0	0	50.3	2.5	.151E+06	16	0	0	0	0
12/ 4/76	DDA	340	350	243	FLT TOT:	79	0	0	0	0	12.0	1.8	0.	0	0	0	79	0
		-21	0	-37	IN CLR:	48	0	0	0	0	0.0	0.0	0.	0	0	0	48	0
					NOT CLR:	31	0	0	0	0	30.7	4.7	0.	0	0	0	31	0
12/ 6/76 *	DDA	319	350	251	FLT TOT:	71	0	0	0	0	5.5	1.2	0.	0	0	0	71	0
		-20	0	-37	IN CLR:	53	0	0	0	0	0.0	0.0	0.	0	0	0	53	0
					NOT CLR:	18	0	0	0	0	21.6	4.6	0.	0	0	0	18	0
MEL-SYD																		
1/21/77 *	DDA	319	351	195	FLT TOT:	7	7	3	0	0	0.0	0.0	.461E+01	117	0	0	7	0
		-36	-35	-37	IN CLR:	7	7	3	0	0	0.0	0.0	.461E+01	117	0	0	7	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/22/77	DDA	345	371	284	FLT TOT:	5	5	2	0	0	0.0	0.0	.131E+02	82	0	0	5	0
		-36	-35	-37	IN CLR:	5	5	2	0	0	0.0	0.0	.131E+02	82	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
MEL-SYD (CONT.)																		
1/29/77	DDA	313	370	220	FLT TOT:	7	7	3	0	0	43.8	3.3	.140E+06	57	0	0	7	0
		-35	-34	-37	IN CLR:	2	2	1	0	0	0.0	0.0	.627E+03	24	0	0	2	0
					NOT CLR:	5	5	2	0	0	61.3	4.6	.195E+06	74	0	0	5	0
2/15/77 *	DDA	329	351	285	FLT TOT:	6	6	3	0	0	0.0	0.0	.111E+02	32	0	0	0	0
		-36	-35	-37	IN CLR:	6	6	3	0	0	0.0	0.0	.111E+02	32	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/16/77 *	DDA	320	350	227	FLT TOT:	6	6	2	0	0	0.0	0.0	.535E+01	61	0	0	0	0
		-36	-35	-37	IN CLR:	6	6	2	0	0	0.0	0.0	.535E+01	61	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/16/77	DDA	335	370	271	FLT TOT:	5	5	3	0	0	0.0	0.0	.642E+01	37	0	0	0	0
		-36	-35	-36	IN CLR:	5	5	3	0	0	0.0	0.0	.642E+01	37	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/19/77	DDA	311	330	259	FLT TOT:	5	5	3	0	0	0.0	0.0	0.	52	0	0	0	0
		-36	-34	-37	IN CLR:	5	5	3	0	0	0.0	0.0	0.	52	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/21/77 *	DDA	336	351	282	FLT TOT:	5	5	2	0	0	20.3	3.2	.531E+05	93	0	0	0	0
		-36	-35	-37	IN CLR:	3	3	1	0	0	0.0	0.0	0.	111	0	0	0	0
					NOT CLR:	2	2	1	0	0	50.8	8.0	.133E+06	75	0	0	0	0
6/ 2/79	BDB	313	331	249	FLT TOT:	5	5	2	0	0	0.0	0.0	.149E+03	70	0	0	5	0
		-35	-35	-36	IN CLR:	5	5	2	0	0	0.0	0.0	.149E+03	70	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 2/79 *	BDB	373	391	328	FLT TOT:	6	6	3	3	1	0.0	0.0	.148E+03	126	71	34	6	0
		-36	-35	-37	IN CLR:	6	6	3	3	1	0.0	0.0	.148E+03	126	71	34	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/ 9/76 *	DDA	295	334	200	FLT TOT:	7	0	3	0	0	0.0	0.0	0.	108	0	0	7	0
		-36	-35	-37	IN CLR:	7	0	3	0	0	0.0	0.0	0.	108	0	0	7	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/11/76	DDA	288	290	282	FLT TOT:	5	0	2	0	0	0.0	0.0	0.	42	0	0	5	0
		-35	-34	-36	IN CLR:	5	0	2	0	0	0.0	0.0	0.	42	0	0	5	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/14/76 *	DDA	339	350	293	FLT TOT:	5	0	3	0	0	0.0	0.0	0.	90	0	0	4	1
		-36	-35	-37	IN CLR:	5	0	3	0	0	0.0	0.0	0.	90	0	0	4	1
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/16/76	DDA	321	370	206	FLT TOT:	6	0	3	0	0	.7	.2	0.	94	0	0	4	2
		-35	-34	-36	IN CLR:	5	0	3	0	0	0.0	0.0	0.	94	0	0	3	2
					NOT CLR:	1	0	0	0	0	4.3	1.0	0.	0	0	0	1	0
8/24/76	DDA	300	370	219	FLT TOT:	8	0	4	0	0	0.0	0.0	0.	200	0	0	5	3
		-35	-34	-36	IN CLR:	8	0	4	0	0	0.0	0.0	0.	200	0	0	5	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
MEL-SYD (CONT.)																		
8/31/76	DDA	344	371	297	FLT TOT:	6	0	2	0	0	16.3	.7	0.	297	0	0	2	4
		-36	-35	-37	IN CLR:	4	0	2	0	0	0.0	0.0	0.	297	0	0	0	4
					NOT CLR:	2	0	0	0	0	48.8	2.0	0.	0	0	0	2	0
11/30/76 *	DDA	341	350	295	FLT TOT:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
		-36	-35	-37	IN CLR:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/14/78	BBB	295	330	189	FLT TOT:	6	6	3	0	0	0.0	0.0	0.	43	0	0	6	0
		-35	-34	-36	IN CLR:	6	6	3	0	0	0.0	0.0	0.	43	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/14/78 *	BBB	287	310	225	FLT TOT:	6	6	3	0	0	0.0	0.0	.107E+02	38	0	0	6	0
		-36	-35	-37	IN CLR:	6	6	3	0	0	0.0	0.0	.107E+02	38	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 1/76	DDA	318	370	201	FLT TOT:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
		-35	-34	-37	IN CLR:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 4/76 *	DDA	334	350	262	FLT TOT:	8	0	0	0	0	0.0	0.0	0.	0	0	0	8	0
		-36	-35	-37	IN CLR:	8	0	0	0	0	0.0	0.0	0.	0	0	0	8	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 6/76	DDA	284	330	219	FLT TOT:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
		-35	-34	-36	IN CLR:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/28/76 *	DDA	335	351	290	FLT TOT:	7	0	0	0	0	0.0	0.0	0.	0	0	0	7	0
		-36	-35	-37	IN CLR:	7	0	0	0	0	0.0	0.0	0.	0	0	0	7	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/30/76 *	DDA	328	350	242	FLT TOT:	7	0	0	0	0	1.1	.3	0.	0	0	0	7	0
		-36	-35	-37	IN CLR:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
					NOT CLR:	2	0	0	0	0	3.7	1.0	0.	0	0	0	2	0
12/31/76	DDA	301	330	190	FLT TOT:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
		-35	-34	-36	IN CLR:	6	0	0	0	0	0.0	0.0	0.	0	0	0	6	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/16/77	BCB	289	293	281	FLT TOT:	5	5	2	0	0	.4	0.0	.493E+03	32	0	0	5	0
		-36	-35	-36	IN CLR:	4	4	2	0	0	0.0	0.0	.160E+02	32	0	0	4	0
					NOT CLR:	1	1	0	0	0	2.0	0.0	.240E+04	0	0	0	1	0
12/16/77 *	BCB	358	390	290	FLT TOT:	7	7	3	0	0	1.7	0.0	.454E+01	150	0	0	7	0
		-36	-35	-37	IN CLR:	6	6	2	0	0	0.0	0.0	.530E+01	155	0	0	6	0
					NOT CLR:	1	1	1	0	0	11.8	0.0	0.	139	0	0	1	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
MNL-SYD																		
1/ 1/77	DDA	347	396	221	FLT TOT:	76	0	0	0	0	22.1	2.0	0.	0	0	0	76	0
		-10	12	-33	IN CLR:	36	0	0	0	0	0.0	0.0	0.	0	0	0	36	0
					NOT CLR:	40	0	0	0	0	42.0	3.8	0.	0	0	0	40	0
1/ 1/77 *	DDA	340	351	253	FLT TOT:	75	0	0	0	0	25.7	2.1	0.	0	0	0	75	0
		-11	12	-33	IN CLR:	29	0	0	0	0	0.0	0.0	0.	0	0	0	29	0
					NOT CLR:	46	0	0	0	0	41.8	3.4	0.	0	0	0	46	0
1/ 4/77 *	DDA	337	351	257	FLT TOT:	72	0	0	0	0	0.0	0.0	0.	0	0	0	72	0
		-11	12	-33	IN CLR:	72	0	0	0	0	0.0	0.0	0.	0	0	0	72	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/ 4/77	DDA	343	370	190	FLT TOT:	78	0	0	0	0	17.3	1.1	0.	0	0	0	78	0
		-9	12	-33	IN CLR:	53	0	0	0	0	0.0	0.0	0.	0	0	0	53	0
					NOT CLR:	25	0	0	0	0	54.1	3.5	0.	0	0	0	25	0
8/17/76 *	DDA	334	351	256	FLT TOT:	79	0	51	0	0	10.6	1.2	0.	29	0	0	79	0
		-10	12	-33	IN CLR:	57	0	36	0	0	0.0	0.0	0.	33	0	0	57	0
					NOT CLR:	22	0	15	0	0	37.9	4.2	0.	18	0	0	22	0
8/17/76	DDA	347	370	255	FLT TOT:	77	0	52	0	0	7.1	.5	0.	32	0	0	77	0
		-10	12	-33	IN CLR:	61	0	44	0	0	0.0	0.0	0.	35	0	0	61	0
					NOT CLR:	16	0	8	0	0	34.0	2.3	0.	18	0	0	16	0
MRU-PER																		
1/27/77 *	DDA	266	267	266	FLT TOT:	14	14	9	0	0	0.0	0.0	.872E+01	76	0	0	14	0
		-23	-21	-25	IN CLR:	14	14	9	0	0	0.0	0.0	.872E+01	76	0	0	14	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
1/28/77	DDA	314	321	245	FLT TOT:	65	65	38	0	0	1.3	.0	.301E+03	69	0	0	65	0
		-28	-21	-32	IN CLR:	61	61	36	0	0	0.0	0.0	.103E+02	71	0	0	61	0
					NOT CLR:	4	4	2	0	0	20.9	.8	.473E+04	49	0	0	4	0
2/ 4/77	DDA	344	370	239	FLT TOT:	68	68	4	0	0	3.5	3.	.159E+05	70	0	0	68	0
		-28	-21	-32	IN CLR:	62	62	4	0	0	0.0	0.0	.621E+01	70	0	0	62	0
					NOT CLR:	6	6	0	0	0	39.3	3.0	.180E+06	0	0	0	6	0
2/17/77 *	DDA	331	361	227	FLT TOT:	69	69	46	0	0	0.0	0.0	.630E+01	53	0	0	0	0
		-28	-21	-32	IN CLR:	69	69	46	0	0	0.0	0.0	.630E+01	53	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
2/18/77	DDA	360	380	218	FLT TOT:	67	67	43	0	0	0.0	0.0	.429E+01	50	0	0	0	0
		-28	-21	-32	IN CLR:	67	67	43	0	0	0.0	0.0	.429E+01	50	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
MUC-SNN																		
11/30/78	BBB	342	349	264	FLT TOT:	18	18	10	7	1	3.5	.3	.493E+05	145	50	15	3	15
		52	54	50	IN CLR:	16	16	9	6	0	0.0	0.0	.414E+01	147	42	12	1	15
					NOT CLR:	2	2	1	1	1	31.8	2.5	.444E+06	130	100	32	2	0
NAN-SYD																		
1/ 5/77 *	DDA	324	330	239	FLT TOT:	35	0	0	0	0	.0	.0	0.	0	0	0	35	0
		-26	-19	-33	IN CLR:	34	0	0	0	0	0.0	0.0	0.	0	0	0	34	0
					NOT CLR:	1	0	0	0	0	.4	1.0	0.	0	0	0	1	0
1/ 6/77	DDA	346	350	266	FLT TOT:	38	0	0	0	0	14.6	1.1	0.	0	0	0	38	0
		-27	-19	-33	IN CLR:	31	0	0	0	0	0.0	0.0	0.	0	0	0	31	0
					NOT CLR:	7	0	0	0	0	79.3	6.0	0.	0	0	0	7	0
2/11/77 *	DDA	326	330	250	FLT TOT:	29	29	17	0	0	12.9	1.6	.323E+05	53	0	0	29	0
		-27	-19	-33	IN CLR:	23	23	14	0	0	0.0	0.0	.411E+02	62	0	0	23	0
					NOT CLR:	6	6	3	0	0	62.5	7.5	.156E+06	12	0	0	6	0
2/12/77	DDA	345	350	235	FLT TOT:	34	34	23	0	0	4.0	.6	.545E+04	43	0	0	34	0
		-27	-20	-34	IN CLR:	25	25	18	0	0	0.0	0.0	.909E+01	48	0	0	25	0
					NOT CLR:	9	9	5	0	0	15.0	3.0	.206E+05	26	0	0	9	0
2/19/77 *	DDA	324	331	218	FLT TOT:	35	35	23	0	0	3.0	.8	.450E+04	68	0	0	0	0
		-26	-19	-33	IN CLR:	30	30	20	0	0	0.0	0.0	.172E+02	75	0	0	0	0
					NOT CLR:	5	5	3	0	0	21.2	5.8	.314E+05	17	0	0	0	0
2/20/77	DDA	325	351	213	FLT TOT:	41	41	24	0	0	22.3	2.9	.202E+06	34	0	0	0	0
		-27	-19	-34	IN CLR:	19	19	10	0	0	0.0	0.0	.511E+01	40	0	0	0	0
					NOT CLR:	22	22	14	0	0	41.5	5.3	.377E+06	29	0	0	0	0
6/ 1/79	BDB	348	351	289	FLT TOT:	41	41	25	21	0	0.0	0.0	.318E+02	70	23	40	41	0
		-27	-20	-34	IN CLR:	41	41	25	21	0	0.0	0.0	.318E+02	70	23	40	41	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/ 2/79 *	BDB	364	371	288	FLT TOT:	36	36	22	16	1	0.0	0.0	.614E+03	58	41	59	36	0
		-27	-19	-34	IN CLR:	36	36	22	16	1	0.0	0.0	.614E+03	58	41	59	36	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/19/76	DDA	361	390	262	FLT TOT:	45	0	0	0	0	0.0	0.0	0.	0	0	0	44	1
		-27	-19	-33	IN CLR:	45	0	0	0	0	0.0	0.0	0.	0	0	0	44	1
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/26/76 *	DDA	302	330	255	FLT TOT:	31	0	0	0	0	37.5	3.1	0.	0	0	0	31	0
		-26	-19	-33	IN CLR:	15	0	0	0	0	0.0	0.0	0.	0	0	0	15	0
					NOT CLR:	16	0	0	0	0	72.7	5.9	0.	0	0	0	16	0
11/27/76	DDA	341	350	269	FLT TOT:	40	0	0	0	0	11.8	1.1	0.	0	0	0	40	0
		-27	-19	-33	IN CLR:	32	0	0	0	0	0.0	0.0	0.	0	0	0	32	0
					NOT CLR:	8	0	0	0	0	59.1	5.3	0.	0	0	0	8	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC PATCHES		PD5	OZ	RH	H2O	TROP N	STRAT N
NAN-SYD (CONT.)																		
11/14/78 *	BBB	326	330	255	FLT TOT:	34	34	21	16	3	2.1	.4	.856E+03	86	48	93	34	0
		-27	-19	-33	IN CLR:	31	31	19	13	1	0.0	0.0	.165E+02	90	40	72	31	0
					NOT CLR:	3	3	2	3	2	23.9	4.0	.953E+04	50	84	185	3	0
12/ 2/76 *	DDA	322	330	201	FLT TOT:	33	0	0	0	0	3.2	1.1	0.	0	0	0	33	0
		-26	-19	-33	IN CLR:	25	0	0	0	0	0.0	0.0	0.	0	0	0	25	0
					NOT CLR:	8	0	0	0	0	13.3	4.4	0.	0	0	0	8	0
12/ 3/76	DDA	309	311	267	FLT TOT:	35	0	0	0	0	6.4	.8	0.	0	0	0	35	0
		-27	-19	-34	IN CLR:	30	0	0	0	0	0.0	0.0	0.	0	0	0	30	0
					NOT CLR:	5	0	0	0	0	44.5	5.4	0.	0	0	0	5	0
12/13/76 *	DDA	287	290	218	FLT TOT:	36	0	0	0	0	.2	.0	0.	0	0	0	0	0
		-26	-19	-33	IN CLR:	35	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	1	0	0	0	0	7.5	1.0	0.	0	0	0	0	0
12/14/76	DDA	344	350	208	FLT TOT:	41	0	0	0	0	.0	.0	0.	0	0	0	0	0
		-28	-19	-34	IN CLR:	40	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	1	0	0	0	0	2.0	1.0	0.	0	0	0	0	0
12/15/76 *	DDA	319	330	245	FLT TOT:	32	0	0	0	0	8.2	.7	0.	0	0	0	0	0
		-27	-19	-33	IN CLR:	26	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	6	0	0	0	0	43.5	3.8	0.	0	0	0	0	0
12/16/76	DDA	308	310	254	FLT TOT:	41	0	0	0	0	8.7	.7	0.	0	0	0	0	0
		-27	-19	-34	IN CLR:	32	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	9	0	0	0	0	39.5	3.3	0.	0	0	0	0	0
12/23/76 *	DDA	324	330	251	FLT TOT:	33	0	0	0	0	63.0	4.1	0.	0	0	0	33	0
		-27	-19	-33	IN CLR:	5	0	0	0	0	0.0	0.0	0.	0	0	0	5	0
					NOT CLR:	28	0	0	0	0	74.3	4.8	0.	0	0	0	28	0
12/24/76	DDA	374	390	278	FLT TOT:	39	0	0	0	0	19.0	2.1	0.	0	0	0	39	0
		-27	-19	-33	IN CLR:	22	0	0	0	0	0.0	0.0	0.	0	0	0	22	0
					NOT CLR:	17	0	0	0	0	43.6	4.8	0.	0	0	0	17	0
12/25/76 *	DDA	323	330	214	FLT TOT:	34	0	0	0	0	23.9	2.5	0.	0	0	0	34	0
		-27	-19	-33	IN CLR:	16	0	0	0	0	0.0	0.0	0.	0	0	0	16	0
					NOT CLR:	18	0	0	0	0	45.1	4.7	0.	0	0	0	18	0
12/26/76	DDA	370	390	271	FLT TOT:	41	0	0	0	0	7.5	.2	0.	0	0	0	41	0
		-27	-19	-34	IN CLR:	35	0	0	0	0	0.0	0.0	0.	0	0	0	35	0
					NOT CLR:	6	0	0	0	0	50.9	1.7	0.	0	0	0	6	0
12/15/77	BCB	346	351	264	FLT TOT:	41	41	26	0	0	3.2	0.0	.177E+05	67	0	0	41	0
		-27	-19	-34	IN CLR:	32	32	19	0	0	0.0	0.0	.408E+02	63	0	0	32	0
					NOT CLR:	9	9	7	0	0	14.7	0.0	.807E+05	77	0	0	9	0
12/16/77 *	BCB	344	365	250	FLT TOT:	33	33	21	0	0	2.4	0.0	.182E+04	71	0	0	33	0
		-27	-19	-33	IN CLR:	27	27	18	0	0	0.0	0.0	.116E+03	72	0	0	27	0
					NOT CLR:	6	6	3	0	0	12.9	0.0	.947E+04	62	0	0	6	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
NOU-SYD																		
8/25/76 *	DDA	321	330	220	FLT TOT:	21	0	13	0	0	.4	.5	0.	87	0	0	21	0
		-29	-23	-34	IN CLR:	18	0	11	0	0	0.0	0.0	0.	95	0	0	18	0
					NOT CLR:	3	0	2	0	0	2.5	3.3	0.	33	0	0	3	0
8/25/76	DDA	324	350	252	FLT TOT:	26	0	16	0	0	2.1	.4	0.	67	0	0	26	0
		-29	-23	-34	IN CLR:	23	0	14	0	0	0.0	0.0	0.	71	0	0	23	0
					NOT CLR:	3	0	2	0	0	17.8	3.3	0.	42	0	0	3	0
NRT-SFO																		
1/ 1/78 *	BCB	326	331	223	FLT TOT:	104	82	70	57	10	11.1	.6	.167E+05	189	47	45	22	0
		48	54	36	IN CLR:	75	68	51	39	1	0.0	0.0	.242E+02	241	26	33	7	0
					NOT CLR:	29	14	19	18	9	39.7	2.0	.980E+05	47	93	70	15	0
2/20/79 *	BBB	348	351	281	FLT TOT:	111	0	73	59	1	3.2	.2	0.	339	21	23	15	96
		49	55	36	IN CLR:	104	0	69	58	0	0.0	0.0	0.	355	20	23	9	95
					NOT CLR:	7	0	4	1	1	50.6	3.0	0.	59	100	29	6	1
3/13/79 *	BBB	342	351	288	FLT TOT:	111	0	72	62	4	3.5	.2	0.	359	34	37	36	75
		49	55	36	IN CLR:	97	0	63	58	4	0.0	0.0	0.	398	31	38	22	75
					NOT CLR:	14	0	9	4	0	27.4	1.6	0.	79	80	33	14	0
10/13/78 *	BBB	347	371	209	FLT TOT:	110	110	71	0	0	3.8	.3	.641E+04	181	0	0	42	68
		47	55	36	IN CLR:	99	99	63	0	0	0.0	0.0	.195E+02	197	0	0	32	67
					NOT CLR:	11	11	8	0	0	37.6	3.0	.640E+05	52	0	0	10	1
10/24/78 *	BBB	348	391	218	FLT TOT:	112	112	71	59	1	1.6	.3	.712E+04	172	29	30	47	64
		47	54	36	IN CLR:	104	104	66	58	0	0.0	0.0	.236E+02	182	28	28	39	64
					NOT CLR:	8	8	5	1	1	22.4	4.8	.994E+05	35	100	188	8	0
11/ 5/78 *	BBB	331	350	252	FLT TOT:	115	115	77	62	6	5.3	.4	.133E+05	153	41	83	38	77
		50	58	36	IN CLR:	100	100	67	52	0	0.0	0.0	.811E+02	171	31	47	24	76
					NOT CLR:	15	15	10	10	6	40.7	3.4	.101E+06	29	91	268	14	1
ORD-PIT																		
5/ 1/76	CAA	296	332	218	FLT TOT:	6	0	3	5	3	4.1	.7	0.	101	93	216	6	0
		42	42	41	IN CLR:	3	0	2	3	1	0.0	0.0	0.	93	89	271	3	0
					NOT CLR:	3	0	1	2	2	8.2	1.3	0.	116	100	135	3	0
5/ 1/76 *	CAA	288	332	189	FLT TOT:	8	0	5	5	3	8.9	1.0	0.	128	89	265	8	0
		41	41	41	IN CLR:	4	0	4	3	2	0.0	0.0	0.	136	87	81	4	0
					NOT CLR:	4	0	1	2	1	17.8	2.0	0.	86	92	541	4	0
5/ 3/76	CAA	301	331	223	FLT TOT:	6	0	3	5	1	0.0	0.0	0.	355	38	68	3	3
		42	42	41	IN CLR:	6	0	3	5	1	0.0	0.0	0.	355	38	68	3	3
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
ORD-PIT (CONT.)																		
5/ 3/76 *	CAA	323	391	200	FLT TOT:	8	0	4	6	1	0.0	0.0	0.	479	30	66	3	5
		41	41	41	IN CLR:	8	0	4	6	1	0.0	0.0	0.	479	30	66	3	5
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 4/76	CAA	294	330	219	FLT TOT:	7	0	4	0	0	0.0	0.0	0.	52	0	0	7	0
		41	42	41	IN CLR:	7	0	4	0	0	0.0	0.0	0.	52	0	0	7	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
5/ 4/76 *	CAA	293	311	223	FLT TOT:	8	0	5	0	0	11.8	.4	0.	77	0	0	8	0
		41	41	41	IN CLR:	5	0	4	0	0	0.0	0.0	0.	76	0	0	5	0
					NOT CLR:	3	0	1	0	0	31.4	1.0	0.	78	0	0	3	0
ORD-SEA																		
2/13/79 *	CAB	393	412	205	FLT TOT:	26	26	17	15	3	5.7	.3	.652E+04	116	69	126	8	18
		46	47	43	IN CLR:	24	24	16	14	3	0.0	0.0	.253E+02	119	70	77	6	18
					NOT CLR:	2	2	1	1	0	73.7	3.5	.845E+05	61	63	808	2	0
4/28/76	CAA	382	390	217	FLT TOT:	25	0	25	25	6	0.0	0.0	0.	457	50	31	9	16
		46	48	42	IN CLR:	25	0	25	25	6	0.0	0.0	0.	457	50	31	9	16
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/29/76 *	CAA	380	410	201	FLT TOT:	21	0	21	21	3	0.0	0.0	0.	498	38	67	5	16
		45	47.	43	IN CLR:	21	0	21	21	3	0.0	0.0	0.	498	38	67	5	16
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
ORD-SFO																		
1/24/76 *	CAA	362	370	212	FLT TOT:	19	0	19	19	0	.2	.2	0.	287	21	34	1	18
		41	42	39	IN CLR:	18	0	18	18	0	0.0	0.0	0.	301	13	17	0	18
					NOT CLR:	1	0	1	1	0	4.3	3.0	0.	45	78	341	1	0
1/28/76 *	CAA	356	411	213	FLT TOT:	27	0	27	24	15	5.0	.5	0.	78	74	31	22	5
		42	43	38	IN CLR:	21	0	21	18	9	0.0	0.0	0.	98	65	33	16	5
					NOT CLR:	6	0	6	6	6	22.5	2.3	0.	10	100	25	6	0
4/ 1/76	CAA	342	351	210	FLT TOT:	28	0	28	0	0	1.6	.2	0.	150	0	0	20	8
		41	43	38	IN CLR:	26	0	26	0	0	0.0	0.0	0.	156	0	0	18	8
					NOT CLR:	2	0	2	0	0	22.0	3.0	0.	79	0	0	2	0
4/14/76	CAA	380	390	217	FLT TOT:	25	0	25	25	11	15.7	.9	0.	335	61	78	12	13
		41	42	38	IN CLR:	19	0	19	19	6	0.0	0.0	0.	399	50	93	6	13
					NOT CLR:	6	0	6	6	5	65.4	3.8	0.	133	95	30	6	0
4/15/76 *	CAA	359	390	214	FLT TOT:	20	0	20	20	1	9.5	.6	0.	360	36	68	10	10
		41	42	38	IN CLR:	15	0	15	15	0	0.0	0.0	0.	455	22	27	5	10
					NOT CLR:	5	0	5	5	1	38.1	2.2	0.	77	81	189	5	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
ORD-SFO (CONT.)																		
4/28/76 *	CAA	368	410	204	FLT TOT:	22	0	22	22	14	8.4	.4	0.	156	90	78	14	8
		41	42	38	IN CLR:	17	0	17	17	9	0.0	0.0	0.	170	88	91	9	8
					NOT CLR:	5	0	5	5	5	37.1	1.6	0.	108	100	33	5	0
6/25/78 *	CAB	368	371	313	FLT TOT:	38	38	24	22	0	0.0	0.0	.743E+02	106	14	17	38	0
		39	41	38	IN CLR:	38	38	24	22	0	0.0	0.0	.743E+02	106	14	17	38	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
6/26/78	CAB	379	391	307	FLT TOT:	39	39	25	22	12	0.0	0.0	.396E+02	216	85	119	27	12
		41	42	38	IN CLR:	39	39	25	22	12	0.0	0.0	.396E+02	216	85	119	27	12
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
7/11/78 *	CAB	377	410	234	FLT TOT:	33	33	20	16	1	.2	.1	.183E+04	63	11	21	33	0
		41	43	38	IN CLR:	31	31	19	15	1	0.0	0.0	.252E+02	64	12	23	31	0
					NOT CLR:	2	2	1	1	0	2.9	2.0	.299E+05	45	4	5	2	0
7/12/78	CAB	375	391	293	FLT TOT:	37	37	24	20	1	5.0	.3	.149E+05	60	28	44	37	0
		41	43	38	IN CLR:	32	32	22	18	0	0.0	0.0	.165E+03	59	21	27	32	0
					NOT CLR:	5	5	2	2	1	37.3	2.2	.109E+06	79	85	204	5	0
ORD-YYZ																		
2/ 9/79 *	CAB	309	350	230	FLT TOT:	6	6	3	1	1	0.0	0.0	.356E+03	219	100	327	2	4
		43	43	42	IN CLR:	6	6	3	1	1	0.0	0.0	.356E+03	219	100	327	2	4
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/ 5/76	CAA	241	332	214	FLT TOT:	14	0	14	3	2	74.2	.4	0.	41	84	232	14	0
		43	43	42	IN CLR:	3	0	3	3	2	0.0	0.0	0.	67	84	232	3	0
					NOT CLR:	11	0	11	0	0	94.4	.5	0.	34	0	0	11	0
3/ 5/76 *	CAA	334	390	215	FLT TOT:	5	0	5	5	2	0.0	0.0	0.	212	56	208	3	2
		43	44	42	IN CLR:	5	0	5	5	2	0.0	0.0	0.	212	56	208	3	2
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
PER-SYD																		
1/ 7/77 *	DDA	345	351	261	FLT TOT:	39	0	0	0	0	7.0	.6	0.	0	0	0	39	0
		-33	-32	-34	IN CLR:	33	0	0	0	0	0.0	0.0	0.	0	0	0	33	0
					NOT CLR:	6	0	0	0	0	45.8	3.7	0.	0	0	0	6	0
1/ 9/77	DDA	364	370	275	FLT TOT:	37	0	0	0	0	.1	.0	0.	0	0	0	37	0
		-34	-33	-35	IN CLR:	36	0	0	0	0	0.0	0.0	0.	0	0	0	36	0
					NOT CLR:	1	0	0	0	0	4.7	1.0	0.	0	0	0	1	0
1/25/77	DDA	356	371	199	FLT TOT:	36	36	18	0	0	0.0	0.0	.720E+01	129	0	0	36	0
		-34	-33	-35	IN CLR:	36	36	18	0	0	0.0	0.0	.720E+01	129	0	0	36	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
PER-SYD (CONT.)																		
8/ 3/76 *	DDA	347	351	270	FLT TOT:	43	0	28	0	0	.6	.3	0.	79	0	0	38	5
		-33	-32	-34	IN CLR:	41	0	26	0	0	0.0	0.0	0.	82	0	0	36	5
					NOT CLR:	2	0	2	0	0	13.5	5.5	0.	45	0	0	2	0
8/ 5/76	DDA	360	370	274	FLT TOT:	30	0	20	0	0	0.0	0.0	0.	162	0	0	8	22
		-34	-33	-35	IN CLR:	30	0	20	0	0	0.0	0.0	0.	162	0	0	8	22
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
8/ 6/76 *	DDA	354	390	260	FLT TOT:	47	0	30	0	0	.4	.1	0.	120	0	0	32	15
		-33	-32	-34	IN CLR:	46	0	29	0	0	0.0	0.0	0.	122	0	0	31	15
					NOT CLR:	1	0	1	0	0	18.8	4.0	0.	70	0	0	1	0
8/ 8/76	DDA	352	370	268	FLT TOT:	32	0	20	0	0	0.0	0.0	0.	86	0	0	24	8
		-34	-33	-35	IN CLR:	32	0	20	0	0	0.0	0.0	0.	86	0	0	24	8
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/23/76	DDA	345	370	210	FLT TOT:	37	0	0	0	0	.0	.0	0.	0	0	0	37	0
		-34	-33	-35	IN CLR:	36	0	0	0	0	0.0	0.0	0.	0	0	0	36	0
					NOT CLR:	1	0	0	0	0	.8	1.0	0.	0	0	0	1	0
12/ 9/76 *	DDA	353	370	260	FLT TOT:	48	0	0	0	0	0.0	0.0	0.	0	0	0	48	0
		-33	-32	-34	IN CLR:	48	0	0	0	0	0.0	0.0	0.	0	0	0	48	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/11/76	DDA	347	370	241	FLT TOT:	33	0	0	0	0	0.0	0.0	0.	0	0	0	33	0
		-34	-33	-35	IN CLR:	33	0	0	0	0	0.0	0.0	0.	0	0	0	33	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
PPG-PPT																		
3/29/77 *	AAA	416	431	218	FLT TOT:	25	25	0	21	16	16.4	1.0	.554E+05	0	95	123	0	0
		-16	-14	-17	IN CLR:	16	16	0	13	8	0.0	0.0	.354E+02	0	92	188	0	0
					NOT CLR:	9	9	0	8	8	45.5	2.9	.154E+06	0	100	19	0	0
3/29/77	AAA	416	431	327	FLT TOT:	25	25	0	22	21	24.8	1.3	.780E+05	0	98	35	0	0
		-16	-15	-17	IN CLR:	12	12	0	10	9	0.0	0.0	.104E+04	0	95	38	0	0
					NOT CLR:	13	13	0	12	12	47.7	2.5	.149E+06	0	100	32	0	0
5/ 3/77	AAA	398	410	265	FLT TOT:	27	27	16	0	0	.4	.1	.165E+05	28	0	0	27	0
		-16	-15	-17	IN CLR:	24	24	14	0	0	0.0	0.0	0.	29	0	0	24	0
					NOT CLR:	3	3	2	0	0	3.9	1.0	.148E+06	22	0	0	3	0
5/ 3/77 *	AAA	423	430	255	FLT TOT:	28	28	18	0	0	1.6	.3	.384E+03	35	0	0	28	0
		-16	-15	-17	IN CLR:	23	23	15	0	0	0.0	0.0	0.	35	0	0	23	0
					NOT CLR:	5	5	3	0	0	8.8	1.8	.215E+04	36	0	0	5	0
5/10/77	AAA	400	410	244	FLT TOT:	20	20	13	0	0	5.1	.9	.121E+05	29	0	0	20	0
		-16	-15	-17	IN CLR:	13	13	8	0	0	0.0	0.0	.104E+02	30	0	0	13	0
					NOT CLR:	7	7	5	0	0	14.5	2.4	.344E+05	28	0	0	7	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PDS	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PDS	OZ	RH	H2O	TROP N	STRAT N
PPG-PPT (CONT.)																		
5/10/77 *	AAA	421	430	299	FLT TOT:	30	30	16	0	0	15.2	1.1	.444E+05	39	0	0	30	0
		-16	-15	-17	IN CLR:	18	18	11	0	0	0.0	0.0	.129E+03	39	0	0	18	0
					NOT CLR:	12	12	5	0	0	37.9	2.7	.111E+06	39	0	0	12	0
5/17/77	AAA	410	410	410	FLT TOT:	5	5	0	0	0	1.0	.8	.788E+02	0	0	0	5	0
		-16	-15	-17	IN CLR:	2	2	0	0	0	0.0	0.0	0.	0	0	0	2	0
					NOT CLR:	3	3	0	0	0	1.7	1.3	.131E+03	0	0	0	3	0
5/17/77 *	AAA	416	430	278	FLT TOT:	11	11	7	0	0	.1	.1	.552E+03	67	0	0	11	0
		-16	-15	-17	IN CLR:	10	10	7	0	0	0.0	0.0	.607E+03	67	0	0	10	0
					NOT CLR:	1	1	0	0	0	1.6	1.0	0.	0	0	0	1	0
5/14/79 *	BDB	385	398	264	FLT TOT:	26	26	0	6	1	29.3	4.7	.170E+07	0	76	61	26	0
		-16	-15	-17	IN CLR:	8	8	0	4	0	0.0	0.0	.512E+04	0	69	54	8	0
					NOT CLR:	18	18	0	2	1	42.3	6.7	.245E+07	0	91	76	18	0
5/26/79	BDB	321	331	195	FLT TOT:	26	26	17	15	0	.3	.1	.627E+03	31	33	162	26	0
		-16	-15	-18	IN CLR:	25	25	17	15	0	0.0	0.0	.403E+02	31	33	162	25	0
					NOT CLR:	1	1	0	0	0	9.0	2.0	.153E+05	0	0	0	1	0
10/23/78 *	BBB	382	390	287	FLT TOT:	27	27	0	0	0	19.0	1.0	.393E+05	0	0	0	27	0
		-16	-15	-17	IN CLR:	18	18	0	0	0	0.0	0.0	.140E+04	0	0	0	18	0
					NOT CLR:	9	9	0	0	0	57.0	3.0	.115E+06	0	0	0	9	0
11/ 4/78	BBB	321	331	214	FLT TOT:	21	21	16	14	3	.6	.1	.394E+02	32	60	394	21	0
		-16	-15	-17	IN CLR:	20	20	15	13	2	0.0	0.0	.350E+02	32	57	401	20	0
					NOT CLR:	1	1	1	1	1	11.8	3.0	.126E+03	24	100	306	1	0
12/14/76 *	AAA	419	430	238	FLT TOT:	30	0	19	14	11	13.5	1.1	0.	22	96	199	30	0
		-16	-15	-17	IN CLR:	19	0	12	6	5	0.0	0.0	0.	23	98	435	19	0
					NOT CLR:	11	0	7	8	6	36.9	3.1	0.	20	95	21	11	0
12/14/76	AAA	402	410	304	FLT TOT:	25	0	16	0	0	11.7	1.1	0.	24	0	0	25	0
		-16	-15	-17	IN CLR:	16	0	10	0	0	0.0	0.0	0.	24	0	0	16	0
					NOT CLR:	9	0	6	0	0	32.5	3.0	0.	23	0	0	9	0
12/21/76	AAA	400	410	297	FLT TOT:	25	0	16	20	14	31.5	1.3	0.	59	94	63	25	0
		-16	-15	-17	IN CLR:	12	0	8	10	4	0.0	0.0	0.	68	89	96	12	0
					NOT CLR:	13	0	8	10	10	60.6	2.5	0.	50	100	31	13	0
12/21/76 *	AAA	427	430	347	FLT TOT:	27	0	17	0	0	20.0	1.2	0.	67	0	0	27	0
		-16	-15	-17	IN CLR:	11	0	8	0	0	0.0	0.0	0.	70	0	0	11	0
					NOT CLR:	16	0	9	0	0	33.7	2.1	0.	64	0	0	16	0
12/28/76 *	AAA	424	430	330	FLT TOT:	29	0	19	0	0	35.3	1.6	0.	37	0	0	29	0
		-16	-15	-17	IN CLR:	7	0	5	0	0	0.0	0.0	0.	43	0	0	7	0
					NOT CLR:	22	0	14	0	0	46.6	2.0	0.	35	0	0	22	0
12/28/76	AAA	418	430	304	FLT TOT:	25	0	17	0	0	48.8	1.3	0.	45	0	0	25	0
		-16	-15	-17	IN CLR:	1	0	1	0	0	0.0	0.0	0.	36	0	0	1	0
					NOT CLR:	24	0	16	0	0	50.8	1.3	0.	45	0	0	24	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
PPG-PPT (CONT.)																		
12/12/77 *	BCB	380	391	272	FLT TOT:	29	29	17	0	0	0.0	0.0	.557E+01	31	0	0	29	0
		-16	-15	-17	IN CLR:	29	29	17	0	0	0.0	0.0	.557E+01	31	0	0	29	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/17/77	BCB	317	330	212	FLT TOT:	24	24	15	0	0	0.0	0.0	.138E+02	36	0	0	24	0
		-16	-15	-18	IN CLR:	24	24	15	0	0	0.0	0.0	.138E+02	36	0	0	24	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
PPG-SYD																		
2/ 6/76	BBA	377	390	206	FLT TOT:	21	0	21	0	0	6.5	.2	0.	45	0	0	0	0
		-27	-18	-34	IN CLR:	18	0	18	0	0	0.0	0.0	0.	53	0	0	0	0
					NOT CLR:	3	0	3	0	0	45.8	1.3	0.	0	0	0	0	0
2/ 7/76 *	BBA	315	330	211	FLT TOT:	16	0	16	0	0	18.4	1.5	0.	11	0	0	0	0
		-23	-16	-34	IN CLR:	7	0	7	0	0	0.0	0.0	0.	24	0	0	0	0
					NOT CLR:	9	0	9	0	0	32.8	2.7	0.	0	0	0	0	0
SEA-SFO																		
2/18/79 *	BBB	369	390	285	FLT TOT:	11	0	7	3	0	10.1	.8	0.	302	28	10	3	8
		43	46	39	IN CLR:	8	0	6	3	0	0.0	0.0	0.	345	28	10	1	7
					NOT CLR:	3	0	1	0	0	37.1	3.0	0.	43	0	0	2	1
2/19/79	BBB	350	370	248	FLT TOT:	12	0	8	4	0	.4	.3	0.	281	20	11	2	10
		42	46	39	IN CLR:	11	0	8	4	0	0.0	0.0	0.	281	20	11	1	10
					NOT CLR:	1	0	0	0	0	4.3	3.0	0.	0	0	0	1	0
3/25/76 *	BBA	371	391	231	FLT TOT:	9	0	9	0	0	0.0	0.0	0.	307	0	0	2	7
		43	47	39	IN CLR:	9	0	9	0	0	0.0	0.0	0.	307	0	0	2	7
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
3/27/76	BBA	371	372	371	FLT TOT:	6	0	6	0	0	0.0	0.0	0.	643	0	0	0	6
		41	44	39	IN CLR:	6	0	6	0	0	0.0	0.0	0.	643	0	0	0	6
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
4/23/76	BBA	312	332	213	FLT TOT:	6	0	6	0	0	3.1	1.3	0.	111	0	0	6	0
		43	46	40	IN CLR:	4	0	4	0	0	0.0	0.0	0.	118	0	0	4	0
					NOT CLR:	2	0	2	0	0	9.2	4.0	0.	98	0	0	2	0
4/29/76 *	BBA	372	390	274	FLT TOT:	8	0	8	0	0	1.2	.4	0.	350	0	0	2	6
		44	47	40	IN CLR:	7	0	7	0	0	0.0	0.0	0.	390	0	0	1	6
					NOT CLR:	1	0	1	0	0	9.4	3.0	0.	75	0	0	1	0
6/ 9/77	AAA	397	410	271	FLT TOT:	17	17	10	0	0	4.7	.5	.376E+05	343	0	0	3	14
		44	48	39	IN CLR:	15	15	9	0	0	0.0	0.0	.379E+03	381	0	0	1	14
					NOT CLR:	2	2	1	0	0	40.2	4.5	.317E+06	52	0	0	2	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
SEA-SFO (CONT.)																		
12/ 7/77 *	BCB	380	390	301	FLT TOT:	11	11	8	0	0	0.0	0.0	.244E+02	119	0	0	4	7
		43	46	39	IN CLR:	11	11	8	0	0	0.0	0.0	.244E+02	119	0	0	4	7
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/ 9/77 *	BCB	358	391	195	FLT TOT:	11	11	8	0	0	5.6	0.0	.357E+05	77	0	0	4	7
		43	46	39	IN CLR:	9	9	7	0	0	0.0	0.0	.670E+03	78	0	0	3	6
					NOT CLR:	2	2	1	0	0	30.8	0.0	.194E+06	64	0	0	1	1
12/ 9/77	BCB	348	370	226	FLT TOT:	10	10	6	0	0	15.6	0.0	.628E+04	41	0	0	10	0
		43	46	39	IN CLR:	5	5	3	0	0	0.0	0.0	.404E+02	45	0	0	5	0
					NOT CLR:	5	5	3	0	0	31.2	0.0	.125E+05	38	0	0	5	0
12/11/77	BCB	348	370	266	FLT TOT:	12	12	7	0	0	19.9	0.0	.151E+06	69	0	0	7	5
		43	46	39	IN CLR:	7	7	5	0	0	0.0	0.0	0.	79	0	0	4	3
					NOT CLR:	5	5	2	0	0	47.7	0.0	.363E+06	44	0	0	3	2
SFO-SYD																		
1/ 2/77 *	AAA	400	410	330	FLT TOT:	70	0	45	0	0	2.0	.2	0.	94	0	0	57	13
		12	36	-32	IN CLR:	66	0	42	0	0	0.0	0.0	0.	99	0	0	53	13
					NOT CLR:	4	0	3	0	0	34.2	3.3	0.	23	0	0	4	0
5/22/77 *	AAA	373	410	263	FLT TOT:	55	55	34	0	0	5.5	.4	.233E+05	64	0	0	54	1
		1	37	-32	IN CLR:	45	45	29	0	0	0.0	0.0	.801E+03	69	0	0	44	1
					NOT CLR:	10	10	5	0	0	30.2	2.2	.124E+06	40	0	0	10	0
7/ 3/77 *	ACA	392	430	202	FLT TOT:	149	0	0	0	0	8.1	0.0	0.	0	0	0	149	0
		1	37	-33	IN CLR:	119	0	0	0	0	0.0	0.0	0.	0	0	0	119	0
					NOT CLR:	30	0	0	0	0	40.1	0.0	0.	0	0	0	30	0
10/ 2/77 *	ABA	376	410	238	FLT TOT:	121	0	80	0	0	5.0	.6	0.	68	0	0	103	18
		2	37	-33	IN CLR:	91	0	62	0	0	0.0	0.0	0.	80	0	0	73	18
					NOT CLR:	30	0	18	0	0	20.1	2.4	0.	26	0	0	30	0
12/19/76 *	AAA	374	431	251	FLT TOT:	142	0	89	0	0	4.7	.5	0.	77	0	0	126	16
		3	37	-33	IN CLR:	113	0	70	0	0	0.0	0.0	0.	86	0	0	97	16
					NOT CLR:	29	0	19	0	0	23.1	2.3	0.	42	0	0	29	0
12/26/76 *	AAA	377	410	272	FLT TOT:	143	0	94	0	0	8.0	.3	0.	81	0	0	116	27
		-2	36	-34	IN CLR:	115	0	76	0	0	0.0	0.0	0.	92	0	0	88	27
					NOT CLR:	28	0	18	0	0	41.0	1.7	0.	34	0	0	28	0
SFO-YVR																		
10/ 5/77	BCB	292	310	196	FLT TOT:	16	16	0	0	0	.9	0.0	.197E+04	0	0	0	16	0
		40	42	38	IN CLR:	14	14	0	0	0	0.0	0.0	.150E+04	0	0	0	14	0
					NOT CLR:	2	2	0	0	0	7.1	0.0	.525E+04	0	0	0	2	0

DEP-ARR IM/ID/IY	CODE	AVFL ALAT	EXHI EXTN	EXLO EXTS		NUMBER OF OBS CLD	PD5	OZ	H2O,H2S		AVERAGES FOR THE FLIGHT %TIC	PATCHES	PD5	OZ	RH	H2O	TROP N	STRAT N
SIN-SYD																		
1/19/77 *	DDA	354	390	260	FLT TOT:	76	76	50	0	0	14.5	1.1	.481E+05	46	0	0	76	0
		-17	0	-33	IN CLR:	54	54	34	0	0	0.0	0.0	.820E+01	55	0	0	54	0
					NOT CLR:	22	22	16	0	0	50.0	3.7	.166E+06	27	0	0	22	0
1/21/77	DDA	309	331	199	FLT TOT:	72	72	47	0	0	13.4	.7	.391E+05	50	0	0	72	0
		-17	0	-34	IN CLR:	54	54	36	0	0	0.0	0.0	.980E+01	57	0	0	54	0
					NOT CLR:	18	18	11	0	0	53.8	2.7	.156E+06	30	0	0	18	0
1/30/77 *	DDA	340	351	214	FLT TOT:	69	69	27	0	0	9.8	.7	.366E+05	42	0	0	69	0
		-17	0	-33	IN CLR:	56	56	18	0	0	0.0	0.0	.908E+01	48	0	0	56	0
					NOT CLR:	13	13	9	0	0	52.0	3.9	.194E+06	29	0	0	13	0
2/ 1/77	DDA	322	351	237	FLT TOT:	73	73	24	0	0	2.4	.5	.618E+04	63	0	0	73	0
		-17	0	-33	IN CLR:	65	65	24	0	0	0.0	0.0	.562E+02	63	0	0	65	0
					NOT CLR:	8	8	0	0	0	21.7	4.5	.559E+05	0	0	0	8	0
2/13/77 *	DDA	341	351	188	FLT TOT:	75	75	51	0	0	20.6	1.5	.719E+05	45	0	0	75	0
		-17	0	-33	IN CLR:	44	44	30	0	0	0.0	0.0	.377E+02	59	0	0	44	0
					NOT CLR:	31	31	21	0	0	49.7	3.7	.174E+06	25	0	0	31	0
2/15/77	DDA	346	370	249	FLT TOT:	51	51	25	0	0	16.5	1.9	.423E+05	49	0	0	25	0
		-20	0	-34	IN CLR:	31	31	17	0	0	0.0	0.0	.161E+03	56	0	0	10	0
					NOT CLR:	20	20	8	0	0	42.1	4.8	.108E+06	34	0	0	15	0
11/21/76 *	DDA	348	351	260	FLT TOT:	81	0	0	0	0	0.0	0.0	0.	0	0	0	81	0
		-18	0	-34	IN CLR:	81	0	0	0	0	0.0	0.0	0.	0	0	0	81	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
11/28/76 *	DDA	329	350	247	FLT TOT:	82	0	0	0	0	28.7	2.7	0.	0	0	0	82	0
		-14	0	-33	IN CLR:	32	0	0	0	0	0.0	0.0	0.	0	0	0	32	0
					NOT CLR:	50	0	0	0	0	47.1	4.4	0.	0	0	0	50	0
11/30/76	DDA	315	330	211	FLT TOT:	72	0	0	0	0	5.7	.7	0.	0	0	0	72	0
		-18	0	-34	IN CLR:	59	0	0	0	0	0.0	0.0	0.	0	0	0	59	0
					NOT CLR:	13	0	0	0	0	31.7	3.7	0.	0	0	0	13	0
12/20/76 *	DDA	335	351	197	FLT TOT:	80	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
		-17	0	-33	IN CLR:	80	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	0	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
12/22/76	DDA	338	370	248	FLT TOT:	71	0	0	0	0	5.5	.5	0.	0	0	0	0	0
		-17	0	-34	IN CLR:	63	0	0	0	0	0.0	0.0	0.	0	0	0	0	0
					NOT CLR:	8	0	0	0	0	48.8	4.3	0.	0	0	0	0	0
12/30/76	DDA	334	350	257	FLT TOT:	76	0	0	0	0	10.9	1.0	0.	0	0	0	76	0
		-17	0	-34	IN CLR:	51	0	0	0	0	0.0	0.0	0.	0	0	0	51	0
					NOT CLR:	25	0	0	0	0	33.3	3.2	0.	0	0	0	25	0

APPENDIX C

INDEPENDENCE OF CLOUD OBSERVATION PERIODS

The GASP cloud-encounter observation periods are normally repeated at 5-minute intervals, or about every 36 n.mi. at a ground speed of 500 knots. For two events to be statistically independent, the probability of occurrence of the second event cannot be conditionally dependent upon the occurrence of the first event. In fact, if two events are independent, the probability that both events occur is equal to the product of the probability that each event occurs. It is apparent from any satellite picture of the Earth that clouds are organized on scales from small to large. Adjacent cloud observation periods are, therefore, unlikely to be independent. The next two subsections discuss the degree of dependence between the cloud or no cloud (TIC > 0, TIC = 0) observations and, given a large cloud, the degree of dependence between values of TIC.

Independence of Cloud or No Cloud Observations

An example of dependence or persistence between adjacent cloud observation periods is shown in table CI. For the altitude band from 23.5 to 28.5 kft, 80 percent of the observation periods were clear, 20 percent had some clouds, and 14.5 percent had values of TIC greater than 10 percent. The next section of the table shows that the probability of a clear observation following a clear observation is 94.5 percent, while the probability of an observation with TIC > 0 following another observation with TIC > 0 is 81.7 percent. If all of the observation periods were statistically independent, these probabilities would be $(0.8)^2$ (or 0.64) and $(0.2)^2$ (or 0.04), respectively.

The dependence between observation periods should decrease as they become farther apart in time or space. In order to examine this relationship, all flights were separated into segments wholly contained within 500-ft altitude intervals. From these flight segments, the empirical probability that two cloud observation periods separated by N observation periods both contain some clouds (TIC > 0) was computed as a function of N. The results for the 23.5 to 28.5 kft altitude interval are shown in figure C1. The curve approaches the value of 0.04, the value expected if the observations were independent, after a separation of about 20 observation periods. This result suggests that observation of the cloud or no cloud condition should be separated by 1 1/2 to 2 hours to be statistically independent.

Similar analyses performed for 500-ft height intervals at higher altitudes showed some tendency for increased separation between independent observations. However, because the probability of clouds (TIC > 0) decreased with altitude and there were fewer long flight segments at these altitudes, no conclusive statement can be made. In any case, an observation separation of 90 to 120 minutes will likely yield nearly independent estimates of a cloud or no cloud condition at normal commercial flight levels.

Independence of TIC Values Within a Cloud

Another analysis was performed on series of sequential cloud observation periods for which TIC > 0. There were a total of 2068 series of two or more observation

periods that fit this criterion. The breakdown of cloud-encounter series as a function of length (intervals of 5 observation periods) is presented in table CII. Over 85 percent of the cloud-encounter series consist of 10 intervals or less. This table also shows that the average value of TIC tends to increase as the length of cloud increases. Table CIII presents the percentage of observation periods which fall into each of four TIC classes. Relatively few observations fall into the high TIC classes compared with the low TIC classes.

The results of the analysis of the TIC values indicate that when TIC is less than 50 percent, the time between independent in-clouds observations is 10 to 20 minutes (2 to 4 observation periods). When TIC is greater than 50 percent, the sample-to-sample observations are highly correlated, and time between independent observation periods is too long to estimate reliably from the data available. It is safe to assume, however, that it is between the 20-minute value for low TIC and 90- to 120-minute value for the cloud or no cloud observations.

These results are consistent with intuition and meteorological observation. Large values of TIC tend to be associated with large (synoptic) scale storms where the clouds are uniform and extensive. Small values of TIC tend to be associated with individual convective storms or convective storm complexes. The resulting low values of TIC tend to vary appreciably from one observation period to another.

APPENDIX C

TABLE CI.- PERSISTENCE OF CLOUD-ENCOUNTER DATA

[Altitude = 23.5 to 28.5 kft]

	Probability, percent, that present observation will be -		
	Clear	TIC > 0	TIC > 10
If previous observation was			
Random	80.0	20.0	14.5
If previous observation was			
Clear	94.5	5.5	2.1
TIC > 0	18.3	81.7	66.9
TIC > 10	9.6	90.4	79.2
If previous two observations were			
Clear	95.7	4.3	2.1
TIC > 0	16.5	83.5	73.2
TIC > 10	8.6	91.4	81.4

APPENDIX C

TABLE CII.- DISTRIBUTION OF CLOUD EXTENT OBSERVATIONS AS MEASURED IN GASP

[Total number of cloud encounters (series of 2 or more sequential observations with TIC > 0) = 2068]

	Cloud length category (no. of sequential observation periods with TIC > 0)						
	2-5	6-10	11-15	16-20	21-25	26-30	31-35
Number of cloud-encounter series	1264	541	172	61	18	10	2
Average TIC, percent	23.3	38.9	47.5	52.1	51.2	58.3	72.0

TABLE CIII.- DISTRIBUTION OF TIC FOR OBSERVATION PERIODS WITH TIC > 0

TIC category, percent	Percentage of observation periods in category
1 to 20	37
21 to 50	24
51 to 80	20
81 to 100	19

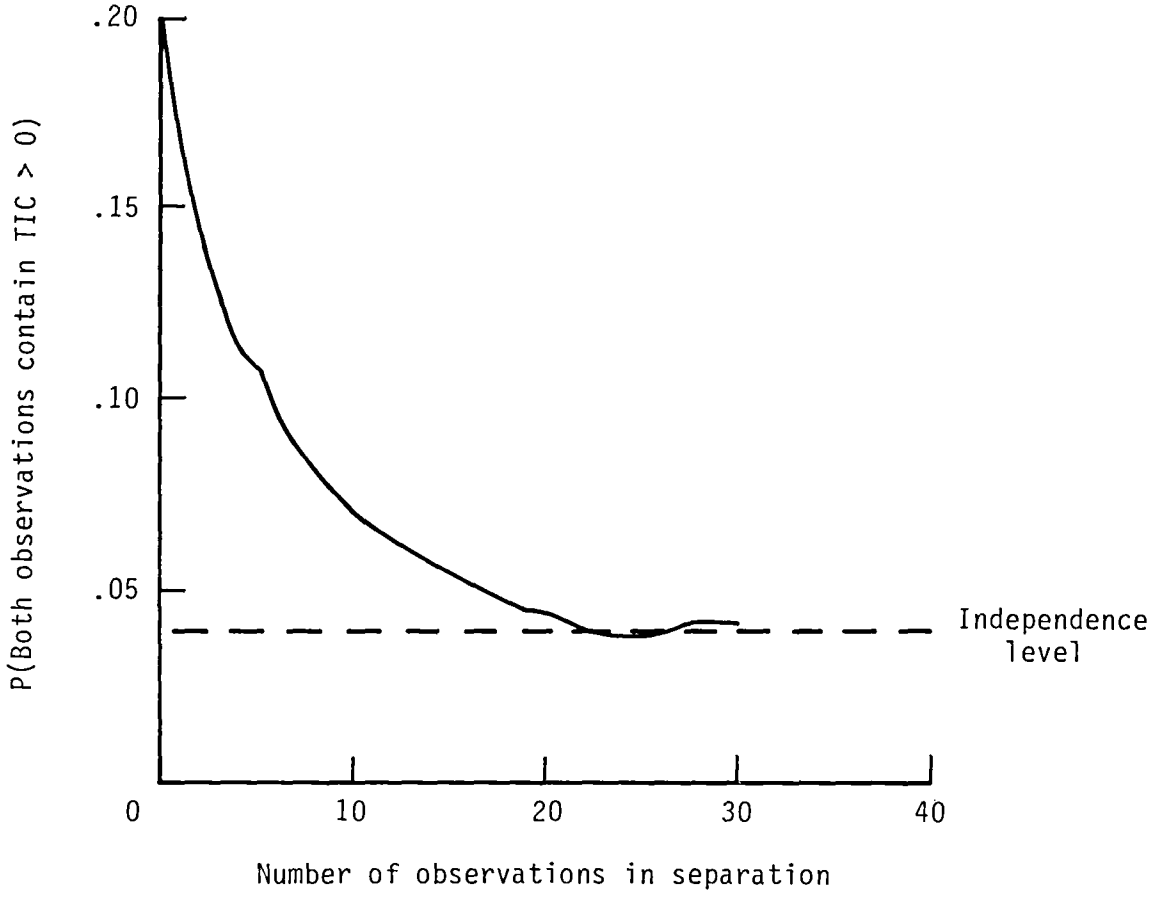

Figure C1.- The probability that two cloud-encounter observations both contain some clouds (TIC > 0), as a function of observation separation.

APPENDIX D

CLOUD-ENCOUNTER STATISTICS AS FUNCTIONS OF LATITUDE, LONGITUDE, NORTHERN HEMISPHERE SEASON, AND ALTITUDE

This appendix is a tabulation of statistics for several quantities related to cloud encounter over the geographic area covered by the GASP flights. These statistics are presented with respect to altitude. The geographic grid (latitude and longitude) chosen had cells small enough to uncover significant geographic variability but large enough to obtain an adequate number of samples for statistical analyses. The grid chosen appears in figure D1. Subsequent pages of this appendix give statistical data within each grid cell in accordance with the code given at the top of each page in this appendix. The season and altitude range appear near the top of each page. Appendix E presents similar data described in terms of altitude separation from the tropopause.

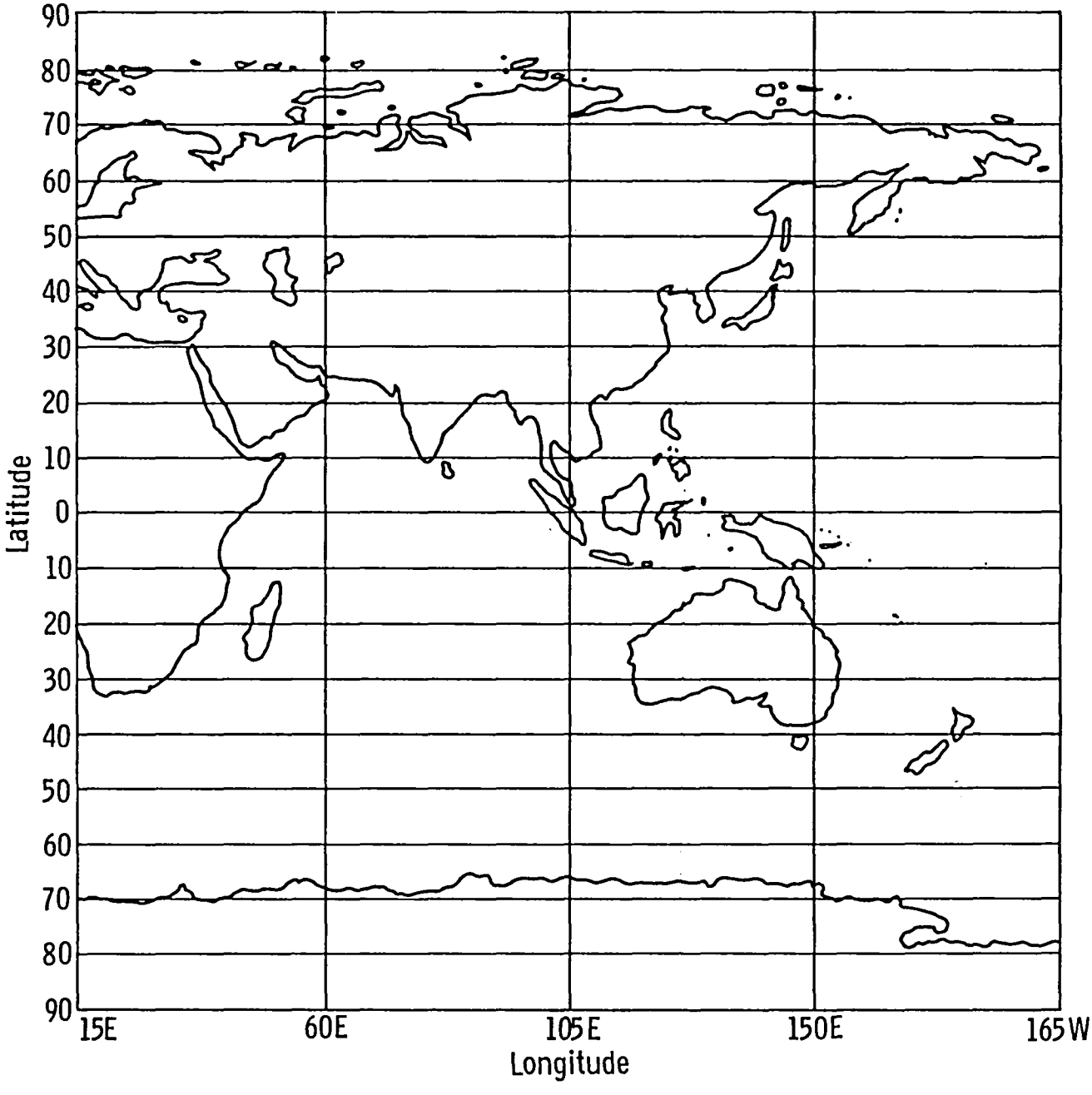

Figure D1.- Map of cell structure used in cloud-encounter and particle-concentration analysis.

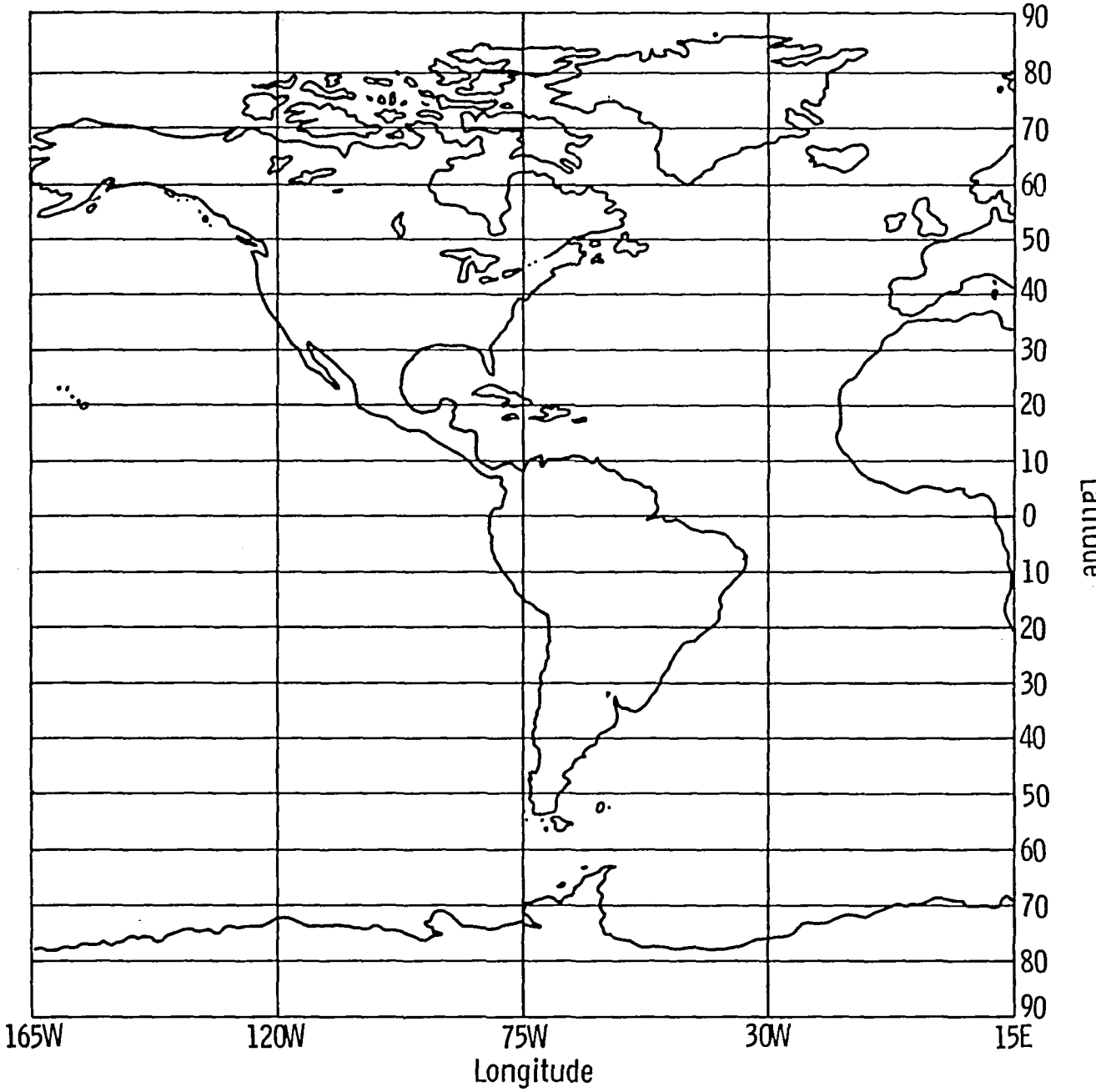

Figure D1.- Concluded.

APPENDIX D

CODE:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

Explanation of entries:

$N_{Flights}$ - number of flights in latitude-longitude-altitude cell

$N_{Indep.\ obs.}$ - number of observation periods considered independent in cell

$N_{Total\ obs.}$ - total number of observation periods in cell

$\overline{TIC}$ % - average percentage of time in clouds, for all observation periods in cell

$SIGMA_{TIC}$ - standard deviation of percentage of time in clouds, percent

TICIV % - average percentage of time in clouds with clouds in vicinity

$SIGMA_{TICIV}$ - standard deviation of percentage of time in clouds with clouds in vicinity

$\overline{T}_{CLEAR}$, $\overline{T}_{CLOUD}$ - average temperature (Celsius) in clear or cloudy air

$\overline{\Delta Z}_{CLEAR}$, $\overline{\Delta Z}_{CLOUD}$ - average distance above (negative values indicate below) the time-and-space-interpolated NMC tropopause, for observations made in the clear or cloudy air, kft

P(TIC > 0 %) - probability, expressed in percent, that the time in clouds is greater than zero during an observation period in the cell (thus, the probability of cloud encounter; note that this is equal to PCE; see Vol. I)

P(TIC ≥ 10 %)
P(TIC ≥ 25 %)
P(TIC ≥ 50 %) - probability that the time in clouds during an observation period in the cell will equal or exceed 10, 25, or 50 percent

APPENDIX D

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
28.5-33.5 KFT

	15E	60E	105E	150E	165W
80N					
70N					
60N				1 2 32 .0 .1 3.1 .4 0.0 0.0 -44.8 -48.0 0.0 0.0 0.0 0.0	
50N	33 37 341 14.6 28.7 32.0 45.7 34.0 25.8 -52.1 -52.5 18.8 -4.5 -4.8 15.2		2 2 10 0.0 0.0 0.0 0.0 0.0 0.0 -53.4 0.0 0.0 1.2 0.0 0.0	3 4 47 0.0 0.0 0.0 0.0 0.0 0.0 -51.7 0.0 0.0 -2.8 0.0 0.0	
40N	45 59 603 9.7 23.9 21.4 45.5 32.1 17.6 -49.7 -48.1 13.4 -6.5 -8.1 10.0		30 31 85 4.4 16.9 8.2 53.6 29.0 8.2 -45.5 -48.1 5.9 -6.3 -7.4 3.5	5 7 101 6.1 18.4 16.8 36.2 30.5 11.9 -50.6 -51.4 7.9 -3.7 -5.2 6.9	
30N	26 26 203 5.8 18.7 12.3 47.5 29.6 11.3 -41.5 -44.8 8.4 -15.4 -15.7 5.4	32 44 458 5.5 18.9 12.0 45.9 33.5 9.4 -40.5 -43.5 7.9 -17.6 -17.0 5.0	14 16 67 0.0 0.0 0.0 0.0 0.0 0.0 -36.9 0.0 0.0 -18.2 0.0 0.0	7 10 137 4.1 13.1 15.3 27.0 22.3 11.7 -35.5 -48.2 8.0 -21.2 -3.8 2.9	
20N		28 38 343 7.0 22.3 11.1 63.2 30.6 9.9 -35.5 -36.3 9.6 -25.2 -25.8 6.7	16 17 101 .8 3.7 5.0 16.3 4.1 5.0 -35.8 -35.4 0.0 -23.5 -25.6 0.0	2 3 45 0.0 0.0 0.0 0.0 0.0 0.0 -35.2 0.0 0.0 0.0 0.0 0.0	
10N		19 22 162 6.7 18.2 19.8 33.9 27.3 14.8 -34.5 -36.1 10.5 -26.3 -26.1 6.2	3 4 36 24.7 29.0 58.3 42.4 26.4 50.0 -37.4 -37.2 38.9 -24.9 -25.2 22.2	10 10 78 6.3 16.8 21.8 28.8 25.4 12.8 -32.4 -33.4 11.5 -24.4 -24.6 5.1	
0		7 7 28 11.3 19.6 60.7 18.7 22.2 21.4 -37.5 -38.1 17.9 -25.2 -24.7 7.1	10 14 150 26.7 31.4 61.3 43.6 29.5 50.7 -32.2 -32.5 42.7 -27.5 -26.8 27.3	12 12 170 9.5 21.4 31.8 29.9 28.9 21.8 -32.9 -33.9 14.1 -25.4 -24.3 6.5	
10S		3 4 52 1.6 5.9 11.5 14.0 11.5 5.8 -34.8 -36.7 1.9 -26.3 -25.3 0.0	10 11 125 2.6 9.5 13.6 19.1 18.7 8.0 -32.6 -31.7 4.0 -26.9 -25.4 1.6	42 42 179 10.5 22.4 30.7 34.2 28.7 22.3 -33.1 -34.2 16.2 -25.2 -24.2 7.3	
20S	4 8 101 5.6 15.8 19.8 28.3 25.0 11.9 -34.8 -35.9 8.9 -25.4 -25.6 3.0	7 9 77 4.2 14.1 13.0 32.0 25.3 10.4 -37.0 -41.1 6.5 -22.2 -20.1 3.9	15 20 215 1.7 10.0 3.3 51.0 22.9 2.8 -37.1 -38.9 2.8 -23.7 -25.6 2.3	15 26 259 13.6 28.0 29.0 47.1 33.6 21.2 -38.3 -38.6 18.9 -21.0 -22.8 15.4	
30S		2 2 30 0.0 0.0 0.0 0.0 0.0 0.0 -39.5 0.0 0.0 -19.3 0.0 0.0	39 39 152 4.0 14.2 13.8 29.2 27.1 9.2 -38.8 -40.7 5.9 -19 1 -14.9 3.3	41 48 349 9.7 24.2 22.9 42.5 34.0 17.2 -43.6 -41.7 12.9 -13.1 -12.2 9.5	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
28.5-33.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
						60N
1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -52.0 0.0 0.0 -.2 0.0 0.0	3 4 37 .4 2.4 2.7 14.9 0.0 2.7 -60.0 -67.0 0.0 2.3 -.4 0.0	8 10 101 6.8 19.5 14.9 45.7 27.8 14.9 -54.1 -60.8 7.9 2.0 -.6 6.9	5 5 51 .3 2.4 2.0 17.6 0.0 2.0 -53.2 -56.0 0.0 .6 .6 0.0	17 20 190 3.8 14.6 8.9 42.2 27.8 8.9 -55.0 -60.9 4.2 1.6 -.5 3.7		70N
2 2 29 6.4 14.6 24.1 26.6 18.7 17.2 -53.3 -58.3 13.8 2.4 0.0 0.0	4 6 72 12.3 27.6 20.8 59.2 29.7 20.8 -52.9 -53.5 16.7 3.1 -5.1 13.9	14 18 203 11.0 25.8 23.2 47.3 34.1 20.2 -51.2 -56.2 14.3 .2 -1.5 10.3	45 55 427 10.1 24.9 21.8 46.6 34.1 16.4 -51.8 -54.5 14.3 -1.5 -5.3 9.8	66 83 763 10.0 24.7 21.4 46.8 33.7 17.2 -51.4 -55.0 13.9 -.4 -4.2 9.6		60N
11 12 77 24.0 33.6 50.6 47.4 33.5 39.0 -49.9 -51.5 33.8 -7.0 -5.9 24.7	43 47 170 8.2 21.7 21.2 38.5 32.4 15.3 -50.9 -51.5 11.2 -1.6 -5.3 8.2	44 59 549 12.2 27.4 23.7 51.6 33.7 20.6 -47.6 -50.2 16.4 -1.5 -7.1 12.4	33 45 420 17.1 31.2 33.8 50.5 34.5 26.9 -51.1 -53.9 22.6 -4.1 -6.0 17.6	169 206 1614 13.7 28.4 28.3 48.5 34.1 22.9 -50.0 -52.1 18.2 -2.9 -6.0 14.1		50N
81 92 431 10.4 23.3 27.8 37.3 30.8 20.2 -48.8 -50.0 14.8 -7.7 -7.8 10.0	50 54 165 13.6 26.5 32.1 42.3 31.0 26.1 -48.0 -46.0 19.4 -7.7 -9.6 14.5	3 4 31 28.1 35.5 48.4 58.2 29.4 45.2 -41.7 -42.1 38.7 -16.2 -12.0 29.0	1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -41.4 0.0 0.0 -18.0 0.0 0.0	215 248 1424 10.2 23.8 23.9 42.4 31.7 18.9 -48.9 -48.3 14.2 -7.2 -8.3 10.3		40N
74 82 432 13.6 26.9 30.1 45 3 31.0 24.8 -41.5 -42.8 19.7 -15.9 -13.6 13.4	2 2 3 2.0 2.8 33.3 5.9 0.0 0.0 -38.0 -40.0 0.0 -23.4 -23.7 0.0		2 2 7 0.0 0.0 0.0 0.0 0.0 0.0 -40.9 0.0 0.0 -15.8 0.0 0.0	157 182 1307 7.8 21.3 17.8 43.9 31.3 14.5 -40.2 -43.7 11.4 -17.1 -13.5 7.3		30N
15 15 80 1.0 9.3 1.3 83.9 0.0 1.3 -33.6 -40.0 1.3 -26.9 -16.9 1.3				61 73 569 4.5 18.0 7.7 58.4 32.5 7.0 -35.2 -36.3 6.0 -25.1 -25.3 4.2		20N
5 5 10 0.0 0.0 0.0 0.0 0.0 0.0 -31.0 0.0 0.0 -26.7 0.0 0.0				37 41 286 8.6 20.2 24.5 35.2 27.1 18.2 -33.9 -35.8 14.0 -25.8 -25.4 7.7		10N
				29 33 348 17.1 27.4 46.8 36.4 29.9 34.2 -32.9 -33 6 26.7 -25.9 -25.9 15.5		0
5 5 23 1.5 7.1 4.3 34.9 0.0 4.3 -34.1 -29.0 4.3 -24.9 -29.5 0.0				60 62 379 6.1 17.1 20.8 29.4 26.8 14.2 -33.3 -33.8 9.5 -25.9 -24.6 4.0		10S
				41 63 652 7.3 20.8 17.2 42.6 31.9 12.4 -37.1 -38.3 10.6 -22.8 -23.3 7.8		20S
				82 89 531 7.6 21.3 19.0 39.8 33.1 13.9 -41.8 -41.5 10.2 -15.1 -12.9 7.2		30S
						40S

APPENDIX D

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
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	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
28.5-33.5 KFT

	15E	60E	105E	150E	165W
80N					
70N					
60N				1 2 21 0.0 0.0 0.0 0.0 0.0 0.0 -45.2 0.0 0.0 1.9 0.0 0.0	
50N	6 8 64 4.6 12.2 21.9 21.1 18.1 14.1 -48.3 -45.6 7.8 -4.0 -5.7 1.6		2 2 7 25.5 21.0 85.7 29.8 19.7 71.4 -51.0 -49.3 42.9 -6.1 -6.7 14.3	4 5 44 21.2 33.8 45.5 46.7 36.3 29.5 -44.5 -44.7 29.5 -3.6 -7.7 22.7	
40N	10 14 142 3.1 13.1 13.4 23.0 28.7 5.6 -46.3 -49.2 4.2 -6.3 -4.0 2.8		47 47 105 8.9 21.7 26.7 33.3 30.9 17.1 -41.7 -44.3 14.3 -10.4 -9.9 6.7	4 5 42 2.1 7.6 14.3 14.4 15.0 7.1 -43.2 -41.3 2.4 -4 7 -6.6 0.0	
30N		12 13 71 6.9 17.8 19.7 35.2 24.8 14.1 -35.7 -40.0 14.1 -17.0 -13.3 7.0	15 18 90 .9 6.0 2.2 40.8 2.0 2.2 -36.0 -37.0 2.2 -21.5 -17.2 0.0	3 4 44 3.3 12.1 9.1 36.8 19.3 9.1 -43.6 -44.0 6.8 -15.5 -14.6 2.3	
20N		6 7 47 14.8 26.5 31.9 46.3 27.0 27.7 -32.8 -28.9 23.4 -18.6 -25.8 14.8	18 19 82 7.5 19.6 22.0 34.1 29.1 14.6 -32.8 -32.0 11.0 -21.3 -22.6 6.1	3 5 78 1.2 7.4 7.7 15.0 22.3 2.6 -40.0 -40.3 2.6 -17.2 -16.1 1.3	
10N		2 2 7 0.0 0.0 0.0 0.0 0.0 0.0 -38.0 0.0 0.0 -19.5 0.0 0.0	1 1 3 .3 .4 33.3 .8 0.0 0.0 -40.5 -41.0 0.0 -15.6 -15.6 0.0		
0					
10S				11 11 15 3.4 10.6 13.3 25.7 16.3 6.7 -34.8 -31.0 6.7 -24.2 -28.8 0.0	
20S				3 3 18 0.0 0.0 0.0 0.0 0.0 0.0 -42.2 0.0 0.0 -20.5 0.0 0.0	
30S				11 11 30 14.9 29.4 26.7 55.8 31.1 23.3 -48.3 -49.3 20.0 -9.6 -19.5 16.7	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
28.5-33.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
			1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -56.0 0.0 0.0 -3.1 0.0 0.0		1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -56.0 0.0 0.0 -3.1 0.0 0.0	80N
	2 2 17 .0 .1 5.9 .4 0.0 0.0 -56.6 -60.0 0.0 -.4 .5 0.0		3 3 24 28.8 38.6 41.7 69.2 28.0 37.5 -56.7 -57.0 37.5 -2.6 -3.0 33.3		5 5 41 16.9 32.8 26.8 63.0 33.2 22.0 -56.7 -57.3 22.0 -1.5 -2.7 19.5	70N
3 3 23 11.0 28.6 13.0 84.1 11.4 13.0 -43.5 -53.0 13.0 1.8 -8.6 13.0	4 4 48 4.1 10.9 22.9 17.8 16.5 10.4 -50.9 -53.3 8.3 -1.6 -5.9 0.0	10 13 127 8.4 20.1 24.4 34.2 27.8 18.9 -49.9 -52.7 13.4 -2.6 -4.1 7.1	37 42 275 3.9 13.8 19.6 20.0 25.6 9.5 -49.3 -51.1 4.4 -2.9 -5.0 2.5		55 64 494 5.2 16.3 20.0 26.1 28.0 11.7 -49.1 -51.9 7.3 -2.2 -4.9 3.8	60N
13 16 137 4.7 14.6 20.4 23.0 24.9 11.7 -49.6 -53.4 8.0 -4.1 -4.3 3.6	103 107 357 13.3 25.7 33.1 40.2 30.2 27.2 -48.9 -49.3 19.3 -4.6 -6.7 11.8	45 53 366 13.3 25.4 36.1 36.9 30.3 27.6 -49.3 -50.7 18.6 -5.6 -7.1 11.5	10 12 83 7.7 18.0 30.1 25.7 24.8 21.7 -47.4 -50.4 12.0 -4.8 -8.8 6.0		183 203 1058 11.6 24.0 32.4 35.9 30.1 24.5 -48.8 -49.8 16.9 -4.7 -6.8 10.0	50N
70 72 331 2.6 9.3 18.1 14.2 17.6 7.9 -46.9 -47.3 3.0 -9.0 -9.0 1.2	64 65 159 9.8 22.1 27.0 36.2 29.3 22.0 -47.6 -47.5 14.5 -5.1 -7.2 8.8	4 4 4 3.4 5.9 25.0 13.7 0.0 25.0 -49.3 -46.0 0.0 -5.6 -5.7 0.0			199 207 783 5.0 15.6 20.1 24.7 27.0 11.6 -46.1 -46 8 7.0 -7.7 -8.0 3.7	40N
81 88 375 4.0 13.1 20.8 19.4 22.9 10.1 -44.0 -42.4 6.1 -12.9 -13.7 2.9	7 7 55 13.3 25.8 38.2 35.0 31.4 23.6 -46.3 -44.7 18.2 -13.3 -13.3 10.9				118 130 635 4.7 14.8 18.7 25.0 25.7 10.6 -41.8 -42.5 7.6 -15.1 -13.6 3.6	30N
4 4 4 0.0 0.0 0.0 0.0 0.0 0.0 -39.3 0.0 0.0 -17.4 0.0 0.0	4 4 10 .3 .8 10.0 2.7 0.0 0.0 -34.0 -36.0 0.0 -24.9 -18.7 0.0	2 2 8 19.7 31.3 50.0 39.4 34.4 37.5 -38.3 -39.3 25.0 -16.3 -15.8 12.5			37 41 229 6.8 19.2 19.2 35.4 29.9 13.1 -35.9 -32.8 10.5 -19.3 -22.1 5.7	20N
	1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -25.3 0.0 0.0 -27.9 0.0 0.0	5 5 18 2.4 8.7 16.7 14.4 16.8 5.6 -37.9 -34.0 5.6 -18.6 -19.1 0.0			9 9 31 1.4 6.7 12.9 11.0 15.7 3.2 -36.7 -35.8 3.2 -19.6 -18 2 0.0	10N
		1 1 10 11.1 26.0 30.0 37.0 36.0 30.0 -33.7 -34.3 10.0 0.0 0.0 10.0			1 1 10 11.1 26.0 30.0 37.0 36.0 30.0 -33.7 -34.3 10.0 0.0 0.0 10.0	0
5 6 24 .1 .4 4.2 2.0 0.0 0.0 -37.7 -37.0 0.0 -19.3 -25.1 0.0		1 1 12 12.5 22.6 33.3 37.6 24.1 25.0 -34.9 -34.3 25.0 0.0 0.0 16.7			17 18 51 4.0 13.3 13.7 29.1 23.6 7.8 -36.4 -33.7 7.8 -21.1 -27.0 3.9	10S
		4 4 4 1.8 3.1 25.0 7.1 0.0 0.0 -32.3 -34.0 0.0 -26.8 -26.1 0.0			7 7 22 .3 1.5 4.5 7.1 0.0 0.0 -40.8 -34.0 0.0 -21.4 -26.1 0.0	20S
					11 11 30 14.9 29.4 26.7 55.8 31.1 23.3 -48.3 -49.3 20.0 -9.6 -19.5 16.7	30S
						40S

APPENDIX D

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
28.5-33.5 KFT

	15E	60E	105E	150E	165W
80N					
70N					
60N					
50N	11 13 95 3.4 14.3 16.8 20.0 29.7 5.3 -43.4 -45.1 4.2 -9.9 -6.4 3.2				
40N	25 36 333 .6 4.8 4.2 14.9 18.1 1.8 -32.0 -41.3 .9 -23.3 -10.6 .6	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -23.0 0.0 0.0 -27.8 0.0 0.0	19 19 29 19.0 34.1 31.0 61.1 34.4 24.1 -33.5 -36.4 24.1 -23.1 -17.5 17.2	1 2 19 0.0 0.0 0.0 0.0 0.0 0.0 -36.6 0.0 0.0 -17.8 0.0 0.0	
30N	9 11 76 0.0 0.0 0.0 0.0 0.0 0.0 -29.7 0.0 0.0 -26.1 0.0 0.0	16 26 297 11.4 25.5 27.9 40.8 33.5 20.5 -30.2 -31.6 15.5 -24.0 -23.9 10.8	2 2 2 1.4 1.4 50.0 2.7 0.0 0.0 -37.0 -29.0 0.0 -23.6 -26.1 0.0		
20N		15 17 168 23.8 31.0 53.6 44.5 29.6 43.5 -31.2 -32.1 37.5 -25.7 -25.1 23.2	4 4 15 26.9 34.2 60.0 44.9 33.8 46.7 -35.3 -33.7 40.0 -23.0 -24.3 20.0		
10N		8 8 115 14.8 25.3 45.2 32.7 28.8 32.2 -33.7 -32.0 24.3 -24.7 -25.4 9.6	2 2 18 13.9 23.3 38.9 35.6 24.9 27.8 -38.3 -38.3 22.2 -22.6 -22.7 11.1		
0		8 9 56 5.1 12.2 23.2 22.0 16.5 19.6 -35.7 -34.2 7.1 -24.2 -24.6 1.8	9 10 129 4.1 12.9 15.5 26.3 22.2 10.9 -36.2 -35.5 7.8 -23.4 -23.6 2.3	1 1 10 3.4 6.0 40.0 8.5 6.7 20.0 -37.5 -37.8 0.0 -19.2 -20.1 0.0	
10S		3 3 34 6.0 15.9 20.6 29.0 23.7 20.6 -32.5 -37.0 5.9 -25.3 -23.5 5.9	11 12 129 0.0 0.0 0.0 0.0 0.0 0.0 -36.5 0.0 0.0 -23.0 0.0 0.0	4 4 19 .0 .1 5.3 .4 0.0 0.0 -34.2 -38.0 0.0 -16.9 -15.8 0.0	
20S		2 2 5 0.0 0.0 0.0 0.0 0.0 0.0 -32.4 0.0 0.0 -25.0 0.0 0.0	10 14 163 .5 4.4 3.1 17.8 18.4 1.2 -37.6 -39.0 1.2 -19.0 -20.3 0.0	2 2 21 .4 1.1 14.3 2.5 1.6 0.0 -38.3 -43.0 0.0 -17.5 -15.3 0.0	
30S			19 20 80 4.7 14.8 16.3 29.1 25.1 12.5 -48.0 -47.9 7.5 -6.2 -9.8 2.5	7 7 29 2.4 10.3 10.3 22.7 23.5 6.9 -48.2 -49.0 3.4 -6.1 -6.6 3.4	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
28.5-33.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
	1 1 15 1.2 2.2 33.3 3.5 2.7 0.0 -55.8 -55.4 0.0 -.3 -1.3 0.0	1 1 2 .8 .8 50.0 1.6 0.0 0.0 -50.0 -51.0 0.0 -.9 -1.1 0.0	35 36 83 4.9 13.2 30.1 16.2 19.9 9.6 -46.7 -47.9 6.0 -4.1 -4.2 2.4		37 38 100 4.2 12.2 31.0 13.7 18.7 8.0 -48.1 -49.2 5.0 -3.5 -3.6 2.0	60N
8 8 17 .3 1.2 5.9 5.1 0.0 0.0 -43.3 -41.0 0.0 -6.9 -6.8 0.0	49 54 188 8.5 21.4 23.4 36.3 30.8 17.0 -40.0 -39.9 13.3 -13.9 -13.4 7.4	14 15 41 6.2 15.5 29.3 21.3 22.4 14.6 -44.4 -42.7 12.2 -6.5 -9.7 7.3	9 9 37 9.0 18.7 27.0 33.4 21.9 21.6 -45.9 -45.5 18.9 -6.2 -5.1 5.4		91 99 378 6.7 18.6 22.0 30.3 29.4 13.5 -42.1 -42.0 10.8 -11.0 -10.4 5.8	50N
59 62 177 1.3 8.8 4.5 29.9 29.3 3.4 -41.4 -40.1 1.7 -15.1 -14.2 1.1	37 37 68 6.0 21.2 16.2 37.2 40.3 8.8 -36.1 -40.5 5.9 -16.9 -15.1 5.9	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -34.0 0.0 0.0 -11.0 0.0 0.0			143 158 628 2.2 12.4 6.7 33.5 35.2 4.0 -35.3 -39.8 2.7 -20.1 -13.9 2.1	40N
56 59 234 .9 6.5 5.1 17.9 22.9 2.1 -39.9 -38.5 1.7 -16.8 -16.7 .4					83 98 609 5.9 19.0 15.8 37.6 33.2 10.8 -34.4 -32.4 8.2 -21.2 -23.0 5.4	30N
1 1 13 0.0 0.0 0.0 0.0 0.0 0.0 -39.8 0.0 0.0 -17.3 0.0 0.0					20 22 196 22.5 30.8 50.5 44.5 30.0 40.8 -32.6 -32.2 35.2 -24.4 -25.0 21.4	20N
					10 10 133 14.7 25.1 44.4 33.0 28.4 31.6 -34.4 -32.7 24.1 -24.4 -25.1 9.8	10N
					18 20 195 4.3 12.5 19.0 22.9 19.9 13.8 -36.1 -35.3 7.2 -23.4 -23.6 2.1	0
					18 19 182 1.1 7.3 4.4 25.4 24.1 3.8 -35.7 -37.1 1.1 -22.7 -22.5 1.1	10S
					14 18 189 .5 4.1 4.2 12.1 16.3 1.1 -37.5 -40.5 1.1 -19.0 -18.4 0.0	20S
					26 27 109 4.1 13.7 14.7 27.9 24.9 11.0 -48.0 -48.1 6.4 -6.2 -9.2 2.8	30S
						40S

APPENDIX D

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC $\geq$ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC $\geq$ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC $\geq$ 50 %)

AUTUMN
28.5-33.5 KFT

	15E	60E	105E	150E	165W
80N					
70N					
60N				2 3 38 0.0 0.0 0.0 0.0 0.0 0.0 -50.9 0.0 0.0 -1.9 0.0 0.0	
50N	15 19 146 11.9 23.3 35.6 33.4 28.3 26.7 -51.0 -48.6 18.5 -5.9 -8.1 9.6		1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -42.9 0.0 0.0 -12.5 0.0 0.0	4 4 53 6.1 22.2 7.5 80.9 22.4 7.5 -44.1 -49.0 7.5 -9.2 -8.2 5.7	
40N	21 27 208 1.4 10.4 1.9 73.1 20.6 1.9 -48.4 -53.5 1.9 -8.0 -8.2 1.4		36 36 122 8.1 22.7 18.0 44.9 34.7 13.9 -39.6 -38.3 11.5 -15.0 -18.1 7.4	7 7 30 8.3 24.5 13.3 62.3 34.0 10.0 -40.9 -45.3 10.0 -10.8 -13.7 10.0	
30N	5 5 46 1.9 12.8 4.3 43.9 43.5 2.2 -38.5 -46.5 2.2 -21.5 -10.3 2.2	11 12 87 5.7 20.7 8.0 70.4 28.0 6.9 -37.6 -38.7 6.9 -22.2 -18.7 6.9	4 4 28 .7 3.9 3.6 20.8 0.0 3.6 -37.4 -34.0 0.0 -22.3 -26.7 0.0	2 4 48 12.6 17.7 50.0 25.2 17.5 37.5 -43.8 -42.3 25.0 -12.1 -15.0 6.3	
20N		13 19 167 6.6 19.7 15.6 42.1 31.6 12.0 -32.2 -34.0 9.0 -23.7 -22.0 6.6	3 3 43 1.0 3.9 9.3 10.3 8.2 4.7 -32.7 -33.3 0.0 -24.3 -24.1 0.0		
10N		5 5 39 13.3 24.4 35.9 36.9 28.0 25.6 -29.9 -30.0 20.5 -22.4 -19.9 10.3	3 3 13 .4 1.3 7.7 4.7 0.0 0.0 -33.0 -32.0 0.0 -23.4 -20.1 0.0	2 2 20 13.7 22.3 45.0 30.4 24.5 25.0 -33.7 -35.0 25.0 -22.5 -21.6 15.0	
0		1 1 7 1.2 2.7 28.6 4.1 3.7 0.0 -28.0 -30.5 0.0 -21.6 -20.4 0.0	2 2 23 22.1 26.4 69.6 31.7 26.4 56.5 -28.3 -28.7 34.8 -21.0 -21.0 17.4	2 2 25 3.9 8.5 24.0 16.4 9.8 16.0 -37.6 -37.5 4.0 -22.4 -22.0 0.0	
10S			2 3 28 1.4 7.1 3.6 38.0 0.0 3.6 -33.1 -31.0 3.6 -20.5 -20.9 0.0	9 9 32 5.6 18.3 12.5 44.4 30.6 9.4 -38.6 -30.0 9.4 -21.9 -22.8 6.3	
20S			2 4 42 18.8 29.4 35.7 52.6 25.4 31.0 -40.6 -35.6 31.0 -19.2 -21.2 19.0	5 7 58 9.5 23.2 17.2 54.9 25.0 15.5 -41.4 -37.8 15.5 -18.2 -20.9 10.3	
30S	2 2 2 0.0 0.0 0.0 0.0 0.0 0.0 -43.5 0.0 0.0 -13.9 0.0 0.0		7 7 39 0.0 0.0 0.0 0.0 0.0 0.0 -47.2 0.0 0.0 -11.1 0.0 0.0	14 16 79 8.8 24.1 13.9 62.9 27.8 12.7 -49.6 -47.9 11.4 -5.2 -10.1 10.1	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC $\geq$ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC $\geq$ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC $\geq$ 50 %)

AUTUMN
28.5-33.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
		1 1 9 0.0 0.0 0.0 0.0 0.0 0.0 -59.0 0.0 0.0 3.3 0.0 0.0			1 1 9 0.0 0.0 0.0 0.0 0.0 0.0 -59.0 0.0 0.0 3.3 0.0 0.0	80N
	4 5 52 14.6 27.5 34.6 42.2 32.0 26.9 -47.2 -53.3 21.2 3.8 -2.9 11.5	12 16 166 21.6 35.4 32.5 66.5 29.4 30.1 -50.2 -52.6 28.3 1.0 -3.9 23.5	10 11 125 9.3 23.4 20.0 46.4 32.0 16.8 -52.2 -51.2 13.6 -.2 -4.9 8.8		26 32 343 16.1 30.9 28.3 56.8 32.5 24.8 -50.6 -52.4 21.9 .9 -4.0 16.3	70N
4 6 71 5.3 13.4 16.9 31.2 16.1 15.5 -48.5 -45.8 11.3 1.1 -2.9 1.4	6 7 86 13.5 27.2 27.9 48.4 31.1 20.9 -51.4 -53.1 20.9 -1.0 -3.0 14.0	25 36 408 3.2 13.8 8.1 40.0 29.5 6.6 -48.0 -47.8 4.9 -.5 -5.0 3.2	84 100 793 10.6 23.6 30.0 35.4 31.3 21.1 -46.6 -47.7 15.1 -5.0 -7.3 9.7		121 152 1396 8.1 21.0 22.0 36.7 30.9 16.0 -47.6 -48.0 11.9 -2.7 -6.6 7.4	60N
13 17 153 6.7 18.7 19.6 34.3 29.0 13.1 -42.1 -45.0 10.5 -10.5 -8.8 5.2	29 33 151 11.6 25.0 29.1 39.7 32.0 21.9 -49.1 -47.2 17.2 -5.4 -7.5 10.6	76 93 794 12.1 27.7 22.4 53.9 34.2 19.3 -45.6 -47.4 16.1 -6.2 -7.7 12.0	26 32 253 9.4 23.5 22.1 42.6 32.9 17.4 -49.8 -52.3 12.6 -5.8 -6.2 9 1		164 199 1558 10.8 25.4 23.4 46.2 33.7 18.8 -46.6 -48.1 15.0 -6.7 -7.6 10.2	50N
27 29 120 4.1 13.2 20.0 20.5 23.1 12.5 -42.9 -45.5 5.8 -11.9 -11.9 3.3	30 32 106 8.2 22.9 16.0 51.4 32.6 13.2 -43.9 -42.6 11.3 -10.0 -11.0 8.5	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -25.0 0.0 0.0 -11 2 0.0 0.0			122 132 587 4.9 17 8 12.1 40.8 33.9 9.0 -44.5 -43.0 6.8 -10.6 -13.5 4.8	40N
15 16 65 7.7 21.9 15.4 50.2 31.5 13.8 -41.7 -41.4 9.2 -17.9 -17.0 7.7	1 2 19 0.0 0.0 0.0 0.0 0.0 0.0 -37.2 0.0 0.0 -20.5 0.0 0.0				38 43 293 5.8 18.1 15.0 38.8 30.0 11.9 -39.2 -41.5 8.5 -20.0 -16.1 5.1	30N
5 5 31 11.2 24.4 29.0 38.4 31.6 22.6 -35.3 -34.9 16.1 -20.4 -23.5 9.7	3 3 14 0.0 0.0 0.0 0.0 0.0 0.0 -34.9 0.0 0.0 -22.0 0.0 0.0				24 30 255 5.8 18.4 15.3 38.0 31.5 11.4 -32.8 -34.1 7.8 -23.4 -22.6 5.5	20N
2 2 14 7.1 21.6 14.3 50.0 33.5 14.3 -36.5 -35.0 7.1 -24.3 -24.8 7.1	2 2 3 0.0 0.0 0.0 0.0 0.0 0.0 -34.7 0.0 0.0 -23.6 0.0 0.0	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -29.0 0.0 0.0 -25.1 0.0 0.0			15 15 90 9.9 21.6 28.9 34 4 27.9 18,9 -32.6 -32.2 15.6 -23.1 -20.9 8.9	10N
					5 5 55 11.2 20.3 43.6 25.6 24.0 30.9 -33.9 -31 0 16.4 -21.9 -21.2 7 3	0
3 3 19 .6 2.6 5.3 11.8 0.0 5.3 -39.2 -41.0 0.0 -21.4 -20.9 0.0		1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -39.0 0.0 0.0 -25.6 0.0 0.0			15 16 80 2.8 12.5 7.5 37.9 27.7 6.3 -36.7 -32.0 5.0 -21.3 -22.2 2.5	10S
		1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -38.0 0.0 0.0 -25.7 0.0 0.0			8 12 101 13.3 26.3 24.8 53.5 25 3 21.8 -41.1 -36.5 21.8 -18.6 -21.1 13.9	20S
					23 25 120 5.8 20.0 9.2 62.9 27.8 8.3 -48.6 -47.9 7.5 -7.5 -10.1 6.7	30S
						40S

APPENDIX D

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
33.5-38.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -48.3 0.0 0.0 4.2 0.0 0.0	
60N				9 14 179 0.0 0.0 0.0 0.0 0.0 0.0 -50.1 0.0 0.0 4.5 0.0 0.0	
50N	13 18 158 6.6 20.0 17.7 37.1 33.6 12.7 -55.9 -61.4 7.6 -.8 -2.2 6.3		5 5 37 0.0 0.0 0.0 0.0 0.0 0.0 -49.3 0.0 0.0 5.7 0.0 0.0	8 12 135 0.0 0.0 0.0 0.0 0.0 0.0 -48.0 0.0 0.0 4.9 0.0 0.0	
40N	32 39 438 6.9 20.3 15.5 44.3 31.8 11.9 -54.0 -56.1 9.6 -3.3 -5.2 6.6		28 28 229 3.4 13.4 9.2 37.1 26.9 7.9 -49.3 -55.5 5.2 -3.6 -4.4 2.6	17 24 263 2.6 14.4 4.9 52.9 38.9 3.8 -48.1 -57.4 3.4 -3.7 -3.7 2.3	
30N	7 8 96 1.8 7.1 8.3 21.8 12.8 6.3 -46.3 -58.0 3.1 -11.7 -2.5 0.0	21 30 339 5.8 17.5 14.7 39.5 27.3 13.0 -48.8 -53.7 8.6 -10.9 -10.0 4.7	16 19 142 .2 2.6 .7 31.0 0.0 .7 -46.5 -51.0 .7 -15.1 -10.2 0.0	10 14 183 0.0 0.0 0.0 0.0 0.0 0.0 -44.2 0.0 0.0 -15.1 0.0 0.0	
20N	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -44.0 0.0 0.0 -23.1 0.0 0.0	23 26 232 1.1 7.0 5.2 21.3 22.7 3.0 -46.0 -49.5 1.7 -20.5 -18.2 .9	17 18 128 2.6 10.6 14.8 17.8 21.9 5.5 -46.1 -48.7 4.7 -18.7 -15.2 1.6	5 10 138 0.0 0.0 0.0 0.0 0.0 0.0 -44.6 0.0 0.0 -12.6 0.0 0.0	
10N		15 16 152 10.9 23.8 32.9 33.1 31.5 20.4 -44.0 -44.8 15.1 -22.6 -22.1 8.6	7 7 35 27.0 34.4 45.7 59.1 26.3 40.0 -42.2 -42.3 40.0 -22.7 -23.3 34.3	15 15 181 17.6 29.4 35.9 49.0 29.5 31.5 -44.8 -44.6 26.0 -21.0 -20.8 18.2	
0		8 8 76 23.1 30.4 59.2 39.1 30.6 46.1 -41.5 -42.3 34.2 -23.5 -23.5 21.1	12 16 174 11.8 23.1 35.1 33.6 28.1 25.9 -42.6 -42.8 17.2 -22.5 -22.2 9.2	18 18 184 13.3 27.0 31.5 42.3 33.0 22.8 -44.8 -43.4 18.5 -21.7 -21.3 14.1	
10S		3 4 55 0.0 0.0 0.0 0.0 0.0 0.0 -40.8 0.0 0.0 -23.6 0.0 0.0	18 24 251 10.0 23.7 22.3 44.6 31.1 17.5 -42.4 -41.7 14.3 -22.5 -22.7 9.2	32 33 204 16.6 30.2 34.8 47.6 33.8 27.5 -46.1 -46.5 22.5 -20.9 -21.3 18.1	
20S	2 2 11 0.0 0.0 0.0 0.0 0.0 0.0 -47.0 0.0 0.0 0.0 0.0 0.0	6 10 102 0.0 0.0 0.0 0.0 0.0 0.0 -43.1 0.0 0.0 -19.3 0.0 0.0	18 27 294 1.1 8.2 3.4 32.7 30.8 2.0 -42.1 -45.8 1.7 -22.7 -22.2 1.0	16 23 241 11.8 26.0 28.6 41.2 33.9 20.3 -45.3 -47.4 15.8 -19.6 -19.3 11.6	
30S		2 2 30 0.0 0.0 0.0 0.0 0.0 0.0 -47.8 0.0 0.0 -16.3 0.0 0.0	38 48 480 1.9 11.4 4.2 45.5 33.9 3.3 -48.2 -49.5 2.3 -12.7 -11.7 1.9	24 28 186 8.3 22.4 21.0 39.7 34.0 15.1 -49.9 -50.0 11.3 -10.2 -8.0 8.6	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
33.5-38.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
		2 2 14 0.0 0.0 0.0 0.0 0.0 0.0 -53.1 0.0 0.0 4.9 0.0 0.0			2 2 14 0.0 0.0 0.0 0.0 0.0 0.0 -53 1 0.0 0.0 4.9 0.0 0.0	80N
7 9 65 0.0 0.0 0.0 0.0 0.0 0.0 -54.3 0.0 0.0 3.7 0.0 0.0	7 10 110 .4 4.1 .9 43.1 0.0 .9 -58.1 -65.0 .9 3.8 -.1 0.0	4 4 39 0.0 0.0 0.0 0.0 0.0 0.0 -57.2 0.0 0.0 3.2 0.0 0.0	1 1 16 0.0 0.0 0.0 0.0 0.0 0.0 -56.1 0.0 0.0 2.1 0.0 0.0		20 25 258 .2 2.7 .4 43.1 0.0 .4 -56.3 -65.0 .4 3.6 -.1 0.0	70N
9 12 131 0.0 0.0 0.0 0.0 0.0 0.0 -50.2 0.0 0.0 3.6 0.0 0.0	8 14 176 .0 .1 .6 .8 0.0 0.0 -55.5 -63.0 0.0 2.9 -1.1 0.0	21 31 344 12.1 28.8 18.0 67.0 30.3 16.6 -51.8 -62.1 15.4 4.4 -3.9 12.8	31 37 381 10.8 25.6 23.1 46.7 34.0 17.8 -56.4 -61.9 15.2 2.0 -3.3 10.0		78 108 1211 6.8 21.7 12.5 54.8 34.2 10.3 -53.2 -62.0 9.2 3.4 -3.5 6.8	60N
22 26 198 3.1 12.7 10.6 29.4 27.2 7.1 -52.5 -61.4 6.1 1.4 -.7 1.5	60 71 608 5.0 17.6 14.8 34.0 33.1 9.0 -54.2 -60.1 7.1 1.3 -2.5 4.8	34 51 525 19.6 33.7 31.6 62.1 30.9 28.4 -53.4 -58.0 26.1 1.4 -6.4 21.7	26 28 209 10.0 25.8 17.2 58.0 32.8 14.4 -54.3 -60.7 12.9 1.1 -2.5 10.5		168 211 1870 9.1 24.4 18.2 50.2 34.5 14.3 -53.3 -59.3 12.4 1.6 -4.2 9.5	50N
104 135 1407 8.8 22.0 23.4 37.5 31.3 17.3 -53.1 -55.9 12.4 -4.5 -6.5 8.0	54 65 603 10.1 23.6 24.4 41.6 31.4 19.4 -54.6 -59.1 15.1 -2.6 -5.0 9.1				235 291 2940 7.8 21.1 19.7 39.7 31.6 15.0 -52.7 -56.8 11.2 -3.7 -5.8 7.1	40N
86 126 1526 10.2 22.9 27.1 37.6 29.9 20.8 -49.0 -51.8 14.7 -11.4 -11.0 9.3	2 2 3 19.0 26.8 33.3 56.9 0.0 33.3 -53.0 -52.0 33.3 -17.0 -20.3 33.3				142 199 2289 7.8 20.3 20.7 37.6 29.5 16.1 -48.2 -52.1 11.3 -11.9 -10.7 6.9	30N
27 29 304 5.7 17.3 13.8 41.5 26.1 11.8 -47.4 -49.6 9.9 -20.5 -19.7 4.6					73 84 803 2.9 12.3 9.1 32.0 26.9 6.2 -46.3 -49.4 5.0 -19.6 -18.6 2.2	20N
22 25 150 11.1 22.7 32.0 34.7 28.1 22.0 -48.5 -48.4 18.7 -20.2 -20.3 9.3					59 63 518 14.4 26.8 34.6 41.6 30.8 26.1 -45.6 -45.5 21.6 -21.3 -21.3 13.9	10N
9 9 93 4.0 13.6 14.0 28.4 25.1 8.6 -48.5 -48.4 6.5 -21.2 -21.2 3.2					47 51 527 12.6 25.0 33.6 37.5 30.6 24.7 -44.6 -43.3 18.2 -21.9 -22.3 11.6	0
6 6 13 15.4 21.3 46.2 33.3 19.6 38.5 -45.6 -46.3 30.8 -22.0 -21.4 7.7					59 67 523 11.6 25.7 25.4 45.7 32.3 20.1 -43.5 -44.5 16.4 -22.1 -21.9 11.7	10S
					42 62 648 4.9 17.6 12.2 40.2 33.6 8.5 -43.3 -47.2 6.6 -21.2 -19.6 4.8	20S
					64 78 696 3.5 15.3 8.5 41.7 34.0 6.3 -48.6 -49 8 4.6 -12.3 -9.4 3.6	30S
						40S

APPENDIX D

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
33.5-38.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				1 1 7 0.0 0.0 0.0 0.0 0.0 0.0 -47.1 0.0 0.0 6.0 0.0 0.0	
60N				19 31 375 5.0 17.4 10.7 46.8 29.5 9.1 -52.4 -62.6 7.7 2.9 -.3 5.1	
50N	9 11 84 3.7 14.2 10.7 34.2 29.1 7.1 -54.9 -56.8 4.8 .0 1.1 4.8		8 8 48 7.0 19.3 22.9 30.4 30.1 16.7 -51.4 -56.7 8.3 1.3 -5.3 4.2	33 48 585 6.7 21.0 15.4 43.8 35.2 11.1 -53.8 -56.1 8.7 -.5 -4.5 7.0	
40N	11 15 174 5.5 16.7 16.7 32.7 28.1 11.5 -54.2 -56.3 8.6 -2.6 -4.2 3.4	3 3 3 28.9 40.9 33.3 86.7 0.0 33.3 -50.0 -51.0 33.3 -8.8 -7.5 33.3	46 47 321 11.1 24.1 29.9 37.0 31.3 21.5 -52.5 -53.5 16.2 -5.6 -7.7 9.7	24 25 191 8.2 21.8 20.4 40.1 32.4 14.7 -52.6 -52.3 12.0 -1.0 -6.3 8.9	
30N	3 3 8 0.0 0.0 0.0 0.0 0.0 0.0 -49.9 0.0 0.0 -17.4 0.0 0.0	14 17 174 5.4 18.7 13.2 40.5 34.8 8.6 -48.3 -50.2 7.5 -10.5 -9.7 5.2	13 15 129 5.7 16.2 20.9 27.2 25.8 14.0 -46.3 -46.5 7.8 -12.5 -14.1 4.7	9 12 177 5.3 13.6 31.6 16.9 19.8 14.1 -50.1 -49.4 9.0 -12.3 -12.6 2.8	
20N		9 11 71 9.5 19.9 31.0 30.6 25.0 22.5 -46.6 -46.0 15.5 -14.4 -16.3 8.5	16 17 113 2.7 10.4 16.8 16.3 20.5 5.3 -45.8 -45.2 4.4 -16.3 -17.5 2.7	9 14 180 4.6 16.4 11.7 39.3 30.8 9.4 -47.1 -48.6 7.2 -15.4 -14.7 3.9	
10N		2 2 5 0.0 0.0 0.0 0.0 0.0 0.0 -48.4 0.0 0.0 -11.8 0.0 0.0	1 1 6 2.4 4.2 33.3 7.1 4.3 16.7 -45.0 -45.5 0.0 -13.6 -13.7 0.0	5 5 11 5.2 12.0 18.2 28.4 11.6 18.2 -50.7 -43.0 9.1 -19.7 -17.2 0.0	
0				6 6 63 9.3 20.9 28.6 32.6 27.7 23.8 -47.6 -49.6 12.7 -17.8 -20.0 6.3	
10S				10 10 66 2.7 10.3 10.6 25.0 20.8 6.1 -50.3 -49.1 4.5 -19.1 -20.6 1.5	
20S				3 3 36 .1 .3 2.8 2.0 0.0 0.0 -52.1 -50.0 0.0 -13.8 -23.4 0.0	
30S				5 5 16 .4 1.5 6.3 6.3 0.0 0.0 -54.9 -57.0 0.0 -10.5 -9.0 0.0	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
33.5-38.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
	1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -58.8 0.0 0.0 2.4 0.0 0.0	2 2 14 .1 .4 7.1 1.6 0.0 0.0 -52.9 -59.0 0.0 1.9 -.7 0.0	1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -59.0 0.0 0.0 .1 0.0 0.0		4 4 25 1 .3 4.0 1.6 0.0 0.0 -55.6 -59.0 0.0 1.8 -.7 0.0	80N
10 11 151 .0 .0 .7 .4 0.0 0.0 -49.2 -47.0 0.0 4.9 5.4 0.0	13 13 122 .0 .1 3.3 .4 0.0 0.0 -50.3 -49.0 0.0 4.3 5.9 0.0	6 6 88 .0 .2 4.5 .7 .5 0.0 -51.7 -57.8 0.0 3.8 2.8 0.0	4 4 40 0.0 0.0 0.0 0.0 0.0 0.0 -50.9 0.0 0.0 3.8 0.0 0.0		34 35 408 .0 .1 2.2 .5 .4 0.0 -50.2 -52.7 0.0 4.4 4.4 0.0	70N
24 32 337 1.2 7.9 4.2 27.8 27.4 2.1 -50.4 -63.1 1.8 3.4 -2.2 .9	17 29 343 1.8 9.4 9.0 20.1 24.6 4.1 -55.4 -59.7 2.9 .7 -3.2 1.2	29 32 327 11.4 26.2 27.5 41.4 35.5 18.7 -52.8 -57.1 14.7 1.1 -3.6 11.3	35 47 503 4.8 16.4 14.5 32.9 30.6 9.9 -53.7 -60.6 6.6 1.5 -1.6 4.2		124 171 1885 4.8 17.0 13.2 36.4 32.5 8.8 -53.0 -59.7 6.7 1.9 -2.4 4.5	60N
36 50 531 6.1 18.1 19.8 30.7 30.1 12.4 -54.5 -58.8 8.5 -.4 -5.5 5.1	115 136 1026 7.1 20.2 17.3 41.1 31.0 13.5 -54.4 -58.1 10.8 -.3 -3.4 6.4	39 50 439 8.6 21.9 23.5 36.7 31.9 16.9 -54.2 -56.5 13.0 -1.2 -3.2 7.7	13 17 138 3.1 13.3 11.6 26.6 30.0 6.5 -52.5 -59.4 4.3 .2 -2.9 2.2		253 320 2851 6.8 19.9 18.0 37.7 32.1 12.9 -54.1 -57.6 9.8 -.4 -3.9 6.2	50N
130 162 1606 2.6 11.5 11.6 22.5 26.2 6.1 -54.8 -57.5 3.8 -4.3 -4.8 2.1	110 125 873 5.1 17.5 12.7 40.1 31.8 9.5 -53.7 -59.7 7.4 -.7 -3.1 4.8	4 4 47 .0 .1 2.1 .4 0.0 0.0 -55.1 -38.0 0.0 -3.7 2.0 0.0			328 381 3215 4.6 16.1 14.4 31.9 30.5 9.3 -54.1 -56.6 6.7 -3.2 -5.1 4.0	40N
95 137 1489 5.9 18.1 17.3 34.2 30.3 12.2 -52.2 -54.4 8.9 -8.4 -7.9 5.0	9 10 90 3.4 12.1 15.6 21.8 23.1 7.8 -48.1 -50.6 5.6 -13.6 -14.9 2.2	4 4 54 2.1 9.6 5.6 38.4 16.4 5.6 -53.8 -49.3 3.7 -14.5 -13.5 1.9			147 198 2121 5.5 17.3 18.0 31.2 29.5 11.8 -51.2 -52.7 8.4 -9.5 -9.5 4.6	30N
13 16 143 2.4 8.2 11.9 20.0 14.4 7.0 -48.5 -46.6 4.2 -15.5 -15.5 0.0	11 12 107 11.1 23.4 34.6 32.0 30.2 21.5 -48.5 -48.8 15.9 -14.8 -14.6 10.3	8 8 72 10.4 25.1 29.2 35.8 35.4 16.7 -50.4 -49.9 13.9 -18.6 -16.1 11.1			66 78 686 6.0 17.5 20.0 29.8 28.7 12.2 -47.6 -47.7 9.0 -15.7 -15.6 5.1	20N
11 13 142 6.4 19.0 15.5 41.6 29.7 12.7 -48.2 -45.5 9.2 -19.3 -17.4 7.0		7 7 76 18.7 30.3 39.5 47.4 31.2 34.2 -48.3 -49.1 28.9 -17.7 -16.5 17.1			26 28 240 10.0 23.4 23.3 43.0 30.6 19.6 -48.3 -47.3 15.0 -18.6 -16.8 9.6	10N
3 3 37 0.0 0.0 0.0 0.0 0.0 0.0 -47.3 0.0 0.0 -20.1 0.0 0.0		7 7 72 17.7 26.1 55.6 31.9 27.9 41.7 -49.0 -48.9 25.0 -19.3 -19.2 15.3			16 16 172 10.8 22.2 33.7 32.1 27.8 26.2 -47.9 -49.1 15.1 -18.9 -19.6 8.7	0
2 2 10 4.5 11.2 20.0 22.7 14.5 10.0 -43.6 -46.5 10.0 -20.7 -14.0 0.0		8 8 84 12.0 23.1 41.7 28.8 28.2 26.2 -49.5 -48.7 16.7 -20.1 -19.9 8.3			20 20 160 7.7 18.8 27.5 27.9 26.7 16.9 -49.5 -48.6 11.3 -19.5 -19.7 5.0	10S
		6 6 12 11.8 21.9 25.0 47.3 15.2 25.0 -50.0 -49.3 25.0 -20.2 -19.7 8.3			9 9 48 3.0 12.1 8.3 36.0 23.7 6.3 -51.6 -49.5 6.3 -14.7 -20.6 2.1	20S
					5 5 16 .4 1.5 6.3 6.3 0.0 0.0 -54.9 -57.0 0.0 -10.5 -9.0 0.0	30S
						40S

APPENDIX D

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
33.5-38.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				2 2 16 1.8 7.0 6.3 29.0 0.0 6.3 -53.7 -58.0 6.3 -.7 -4.4 0.0	
60N				7 10 107 1.3 5.0 10.3 12.3 10.5 4.7 -47.1 -57.0 .9 2.2 -.7 0.0	
50N	7 8 88 .3 2.0 2.3 12.9 3.5 1.1 -49.0 -54.0 0.0 -2.8 .5 0.0		6 6 26 .3 1.0 7.7 3.7 .2 0.0 -46.5 -44.0 0.0 -10.3 -16.4 0.0	17 28 350 12.7 24.0 38.3 33.3 28.7 26.6 -50.3 -51.8 18.6 -5.7 -8.6 12.0	
40N	13 20 232 0.0 0.0 0.0 0.0 0.0 0.0 -40.3 0.0 0.0 -20.4 0.0 0.0		27 27 132 16.9 27.4 42.4 39.8 29.3 31.8 -48.9 -47.3 25.0 -13.0 -14.2 15.2	11 11 53 6.7 15.1 22.6 29.4 18.5 18.9 -49.0 -51.8 11.3 -13.2 -11.9 3.8	
30N	4 6 56 0.0 0.0 0.0 0.0 0.0 0.0 -39.4 0.0 0.0 -22.9 0.0 0.0	5 7 67 4.1 16.5 6.0 69.0 9.5 6.0 -38.8 -39.5 6.0 -18.5 -15.6 6.0	1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -41.5 0.0 0.0 -21.4 0.0 0.0	1 2 35 0.0 0.0 0.0 0.0 0.0 0.0 -48.7 0.0 0.0 -14.3 0.0 0.0	
20N		9 11 108 29.8 31.5 71.3 41.9 29.8 58.3 -42.2 -44.2 46.3 -20.7 -19.5 29.6	3 3 25 21.2 28.3 56.0 37.8 28.3 44.0 -40.1 -41.5 32.0 -22.2 -21.3 20.0		
10N		6 6 74 9.5 22.2 29.7 32.0 30.7 17.6 -43.6 -42.9 12.2 -20.8 -20.7 8.1	3 3 21 6.2 13.4 23.8 26.0 15.5 19.0 -43.6 -43.2 14.3 -20.7 -20.7 0.0	2 2 32 1.7 6.0 21.9 7.7 10.8 6.3 -45.2 -48.1 3.1 -18.7 -18.4 0.0	
0		4 4 29 6.0 20.7 10.3 57.9 33.6 10.3 -43.0 -42.7 6.9 -21.0 -20.2 6.9	8 9 87 8.2 20.0 20.7 39.7 26.2 17.2 -44.5 -43.8 13.8 -20.2 -20.2 6.9	3 3 27 20.9 28.1 66.7 31.3 29.3 40.7 -47.7 -48.7 29.6 -14.3 -15.4 22.2	
10S		2 2 31 0.0 0.0 0.0 0.0 0.0 0.0 -41.1 0.0 0.0 -21.6 0.0 0.0	7 8 79 .0 .1 1.3 .8 0.0 0.0 -44.7 -49.0 0.0 -19.6 -17.8 0.0	4 4 38 1.6 9.2 5.3 30.2 27.1 2.6 -50.1 -50.0 2.6 -17.1 -20.1 2.6	
20S		2 2 7 0.0 0.0 0.0 0.0 0.0 0.0 -40.9 0.0 0.0 -21.4 0.0 0.0	9 12 130 .0 .4 .8 4.3 0.0 0.0 -46.1 -51.0 0.0 -15.4 -11.2 0.0	5 8 88 1.2 5.3 8.0 15.1 11.7 5.7 -46.6 -48.1 2.3 -13.4 -15.1 0.0	
30S			17 22 206 .1 1.4 1.0 13.5 5.7 .5 -48.7 -51.0 0.0 -2.0 -6.4 0.0	10 11 86 0.0 0.0 0.0 0.0 0.0 0.0 -50.9 0.0 0.0 -3.2 0.0 0.0	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
33.5-38.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
		1 1 7 0.0 0.0 0.0 0.0 0.0 0.0 -42.0 0.0 0.0 5.5 0.0 0.0	1 1 7 .1 .1 14.3 .4 0.0 0.0 -44.5 -45.0 0.0 4.6 4.7 0.0		2 2 14 .0 .1 7.1 .4 0.0 0.0 -43.2 -45.0 0.0 5.1 4.7 0.0	80N
6 8 61 .0 .1 3.3 .4 0.0 0.0 -53.1 -56.5 0.0 .4 -2.1 0.0	12 14 163 .7 6.5 4.9 14.2 25.7 1.8 -50.3 -55.3 .6 2.3 .1 .6	6 6 72 0.0 0.0 0.0 0.0 0.0 0.0 -45.3 0.0 0.0 4.7 0.0 0.0	7 9 98 0.0 0.0 0.0 0.0 0.0 0.0 -47.9 0.0 0.0 2.8 0.0 0.0		33 39 410 .4 4.3 2.7 13.0 23.1 1.0 -49.3 -55.7 .5 2.5 -.7 .2	70N
11 13 117 3.6 12.2 17.9 20.2 22.1 8.5 -50.4 -56.1 5.1 .7 -2.3 .9	25 34 384 2.2 10.5 7.8 28.2 26.1 4.9 -50.9 -54.6 3.4 1.2 -2.8 1.8	4 5 55 .7 1.8 16.4 4.1 2.3 0.0 -49.5 -53.8 0.0 1.5 -2.9 0.0	33 37 202 1.2 5.9 8.9 13.6 15.0 4.0 -52.8 -55.9 2.0 .5 -2.2 0.0		80 99 865 2.0 9.0 10.3 19.0 21.6 4.9 -50.7 -55.4 2.8 1.1 -2.3 .9	60N
27 32 282 7.4 18.0 25.2 29.2 25.3 17.0 -50.6 -54.7 11.7 -5.3 -7.2 4.6	75 88 825 8.3 21.1 23.2 35.7 30.6 16.1 -49.9 -51.6 12.6 -9.2 -9.4 7.4	12 17 153 10.0 21.0 32.7 30.5 26.9 23.5 -51.7 -52.3 13.7 -2.1 -3.9 9.8	6 6 41 3.5 13.5 12.2 29.1 27.3 9.8 -54.5 -55.0 4.9 -.8 -.1 2.4		150 185 1765 8.5 20.6 25.8 33.1 28.9 17.8 -50.2 -52.3 12.7 -6.8 -8.1 7.5	50N
83 125 1393 2.4 11.8 7.0 35.0 29.5 4.7 -50.1 -52.8 3.7 -10.9 -8.7 1.9	47 61 605 2.5 10.9 11.2 22.6 24.4 6.3 -48.7 -51.1 3.6 -12.9 -11.8 1.7				181 244 2415 3.1 13.0 9.6 32.3 28.4 6.4 -48.7 -50.9 4.7 -12.5 -11.1 2.4	40N
64 110 1417 1.8 10.1 7.0 25.7 29.3 4.0 -49.2 -51.0 2.5 -13.0 -12.2 1.4					75 126 1577 1.8 10.2 6.5 27.3 30.0 3.9 -48.3 -50.6 2.5 -13.6 -12.4 1.5	30N
4 5 54 .5 1.6 11.1 4.2 2.7 0.0 -47.5 -45.7 0.0 -18.9 -23.2 0.0					16 19 187 20.2 29.1 51.9 39.0 30.0 39.6 -44.8 -43.9 31.0 -19.9 -20.0 19.8	20N
3 3 24 12.6 27.1 20.8 60.5 25.0 20.8 -46.3 -49.0 20.8 -23.3 -23.0 12.5					14 14 151 7.9 20.1 25.8 30.5 29.6 15.9 -44.4 -44.7 11.9 -20.7 -20.6 6.0	10N
					15 16 143 10.1 22.5 27.3 37.2 29.2 20.3 -44.4 -46.0 15.4 -19.9 -18.0 9.8	0
					13 14 148 .4 4.7 2.0 20.4 26.1 .7 -45.3 -49.7 .7 -19.4 -19.3 .7	10S
					16 22 225 .5 3.3 3.6 13.8 11.5 2.2 -46.1 -48.5 .9 -14.9 -14.7 0.0	20S
					27 33 292 .1 1.2 .7 13.5 5.7 .3 -49.4 -51.0 0.0 -2.4 -6.4 0.0	30S
						40S

APPENDIX D

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
33.5-38.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 -.6 0.0 0.0	
60N				10 16 193 4.0 16.1 9.3 43.3 32.8 6.7 -52.2 -53.7 5.2 .7 -5.4 4.7	
50N	10 12 122 .8 5.7 4.1 19.8 20.5 3.3 -54.6 -57.4 .8 -3.5 -5.9 .8		9 9 33 2.9 11.4 6.1 47.6 1.8 6.1 -48.4 -49.0 6.1 -5.5 -12.9 0.0	25 35 453 7.0 18.2 24.7 28.5 27.1 15.5 -49.8 -52.0 10.2 -6.2 -9.2 6.4	
40N	16 18 186 2.4 11.1 7.0 34.0 26.2 5.4 -53.2 -58.6 4.3 -6.3 -3.8 2.2		32 32 215 11.3 25.7 27.4 41.3 34.2 20.0 -46.5 -48.4 15.3 -14.0 -14.0 11.6	19 29 287 11.2 24.4 33.4 33.5 32.0 23.0 -50.7 -51.4 14.6 -10.9 -12.0 9.8	
30N	1 1 12 0.0 0.0 0.0 0.0 0.0 0.0 -45.0 0.0 0.0 -21.4 0.0 0.0	13 18 197 .6 3.1 4.6 13.1 6.9 3.0 -45.7 -47.9 0.0 -16.8 -15.9 0.0	7 9 77 .0 .2 1.3 1.6 0.0 0.0 -44.9 -40.0 0.0 -20.6 -23.8 0.0	7 9 98 2.2 8.8 14.3 15.3 18.3 7.1 -47.4 -48.9 2.0 -15.6 -15.2 1.0	
20N		10 10 79 5.0 15.1 16.5 30.5 24.8 13.9 -45.0 -46.1 7.6 -19.6 -18.4 2.5	3 3 30 28.6 37.2 46.7 61.2 31.0 40.0 -48.9 -49.1 36.7 -20.0 -19.9 33.3		
10N		3 3 22 36.4 33.4 72.7 50.1 29.1 63.6 -42.8 -43.4 50.0 -18.7 -18.8 40.9	1 1 6 7.3 7.1 83.3 8.7 6.9 50.0 -49.0 -49.0 0.0 -19.8 -19.7 0.0	8 8 56 9.3 22.3 26.8 34.8 31.1 17.9 -45.9 -48.0 16.1 -19.1 -17.6 7.1	
0		1 1 12 40.3 20.8 91.7 43.9 17.6 83.3 -40.0 -40.7 83.3 -14.0 -15.2 33.3	2 4 44 20.2 32.7 36.4 55.6 31.1 29.5 -42.0 -41.8 29.5 -14.9 -14.9 22.7	8 8 101 1.0 6.7 5.9 17.0 21.8 2.0 -45.5 -50.7 1.0 -19.3 -17.3 1.0	
10S		1 2 19 6.6 15.2 26.3 25.3 20.1 21.1 -44.2 -40.0 10.5 -13.0 -13.6 5.3	2 3 39 13.7 27.3 33.3 41.1 33.3 20.5 -41.9 -41.3 20.5 -16.1 -16.6 12.8	8 8 80 11.9 24.9 30.0 39.7 31.1 21.3 -46.2 -47.5 17.5 -19.0 -19.8 10.0	
20S		1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -45.0 0.0 0.0 -14.4 0.0 0.0	2 3 42 0.0 0.0 0.0 0.0 0.0 0.0 -46.7 0.0 0.0 -11.3 0.0 0.0	6 7 86 8.7 24.8 14.0 62.3 32.4 12.8 -47.4 -48.2 10.5 -13.7 -16.5 9.3	
30S	1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -55.5 0.0 0.0 -4.2 0.0 0.0		4 5 36 .0 .1 2.8 .8 0.0 0.0 -52.7 -61.0 0.0 -3.9 -2.4 0.0	8 8 56 9.5 24.8 19.6 48.4 35.1 14.3 -51.0 -52.5 12.5 -3.4 -5.4 12.5	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
33.5-38.5 KFT

165W			120W			75W			30W			15E			ZONAL MEAN			
1	1	5	1	1	8	4	4	41							6	6	54	80N
0.0	0.0	0.0	0.0	0.0	0.0	.0	.1	2.4							.0	.1	1.9	
0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	0.0							.4	0.0	0.0	
-53.6	0.0	0.0	-61.1	0.0	0.0	-57.0	-62.0	0.0							-57.3	-62.0	0.0	
5.2	0.0	0.0	5.0	0.0	0.0	3.9	.6	0.0							4.2	.6	0.0	
9	10	108	14	17	198	5	6	46	1	2	26				30	36	379	70N
.5	3.4	2.8	.8	6.9	3.0	9.5	26.3	15.2	7.0	13.5	26.9				2.2	11.6	6.1	
19.5	7.3	2.8	27.3	29.4	2.0	62.5	35.1	13.0	26.1	13.3	23.1				36.6	31.0	5.0	
-54.0	-57.0	.9	-53.7	-59.7	1.0	-52.4	-60.9	13.0	-52.2	-58.1	15.4				-53.6	-59.2	3.4	
2.7	-1.0	0.0	3.6	-1.3	.5	2.3	-.9	8.7	2.0	1.2	0.0				3.1	-.4	1.3	
7	7	48	14	23	261	51	72	872	66	95	1116				148	213	2490	60N
0.0	0.0	0.0	3.7	12.7	14.2	6.6	21.0	12.2	4.7	15.7	14.8				5.1	17.5	13.1	
0.0	0.0	0.0	26.4	23.2	9.6	54.1	32.7	10.3	31.5	28.8	10.5				38.9	31.8	9.8	
-51.8	0.0	0.0	-54.2	-57.0	6.1	-49.8	-57.9	8.8	-51.9	-58.4	6.8				-51.4	-57.8	7.2	
3.0	0.0	0.0	.6	-2.8	1.9	-.1	-3.1	7.3	-1.5	-3.4	3.6				-.5	-3.3	4.7	
20	26	297	26	30	255	71	104	1114	17	22	219				178	238	2493	50N
5.6	16.9	17.8	7.4	19.9	20.0	7.2	21.6	15.7	3.6	13.5	13.7				6.3	19.1	17.2	
31.2	28.4	11.4	36.8	30.0	15.7	45.9	34.7	12.1	26.2	27.0	9.6				36.8	31.9	12.3	
-52.5	-57.4	8.1	-52.0	-53.2	10.6	-51.9	-57.8	9.7	-55.9	-57.8	4.6				-52.1	-55.7	8.7	
-6.4	-6.8	4.7	-3.7	-7.3	6.7	-2.2	-4.5	7.1	-4.6	-6.2	2.3				-4.0	-6.5	5.8	
32	42	387	18	22	134	1	1	1	1	1	5				119	145	1215	40N
3.0	13.5	9.3	4.2	15.2	10.4	0.0	0.0	0.0	0.0	0.0	0.0				6.4	19.4	17.9	
32.7	31.6	5.9	39.8	28.0	7.5	0.0	0.0	0.0	0.0	0.0	0.0				35.9	32.2	12.5	
-50.5	-52.9	3.9	-52.3	-52.2	6.0	-46.0	0.0	0.0	-56.2	0.0	0.0				-50.6	-51.3	8.7	
-11.0	-10.1	2.6	-7.8	-10.2	5.2	-12.6	0.0	0.0	-4.4	0.0	0.0				-10.2	-11.6	6.1	
20	29	341	1	1	9				1	1	4				50	68	738	30N
5.5	17.6	16.7	0.0	0.0	0.0				31.8	26.8	75.0				3.1	13.0	11.4	
32.6	31.1	10.9	0.0	0.0	0.0				42.4	22.6	75.0				27.6	28.6	7.2	
-48.6	-49.1	7.9	-43.0	0.0	0.0				-49.0	-48.3	50.0				-47.0	-48.8	4.2	
-14.4	-15.0	5.0	-17.7	0.0	0.0				-16.0	-19.0	25.0				-16.1	-15.4	2.6	
9	10	113	3	3	39	1	1	8							26	27	269	20N
4.9	16.9	17.7	0.0	0.0	0.0	0.0	0.0	0.0							6.7	20.1	17.5	
27.8	31.3	8.0	0.0	0.0	0.0	0.0	0.0	0.0							38.5	33.1	11.9	
-47.7	-49.6	6.2	-43.1	0.0	0.0	-43.6	0.0	0.0							-46.1	-48.4	8.9	
-18.8	-18.0	5.3	-19.4	0.0	0.0	-18.8	0.0	0.0							-19.2	-18.7	6.7	
9	9	61				1	1	16							22	22	161	10N
4.7	15.3	14.8				0.0	0.0	0.0							10.3	23.1	28.0	
31.8	27.1	11.5				0.0	0.0	0.0							36.7	30.5	21.1	
-48.3	-51.4	6.6				-44.3	0.0	0.0							-46.6	-47.2	14.9	
-19.0	-17.3	3.3				-19.3	0.0	0.0							-19.1	-18.2	9.3	
1	1	15				2	2	30							14	16	202	0
0.0	0.0	0.0				0.0	0.0	0.0							7.3	20.3	16.3	
0.0	0.0	0.0				0.0	0.0	0.0							44.7	29.3	12.4	
-50.6	0.0	0.0				-46.1	0.0	0.0							-45.4	-43.0	11.9	
-18.4	0.0	0.0				-20.5	0.0	0.0							-18.7	-15.4	7.4	
3	3	10				2	4	39							16	20	187	10S
0.0	0.0	0.0				0.0	0.0	0.0							8.6	21.8	22.5	
0.0	0.0	0.0				0.0	0.0	0.0							38.4	31.1	15.5	
-51.0	0.0	0.0				-46.8	0.0	0.0							-45.7	-44.7	12.8	
-18.8	0.0	0.0				-20.6	0.0	0.0							-18.3	-18.1	7.5	
						1	1	2							10	12	132	20S
						0.0	0.0	0.0							5.7	20.4	9.1	
						0.0	0.0	0.0							62.3	32.4	8.3	
						-42.0	0.0	0.0							-47.0	-48.2	6.8	
						-21.1	0.0	0.0							-13.0	-16.5	6.1	
															13	14	94	30S
															5.7	19.7	12.8	
															44.5	36.1	8.5	
															-51.8	-53.3	7.4	
															-3.6	-5.2	7.4	40S

APPENDIX D

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
38.5-43.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				5 5 27 0.0 0.0 0.0 0.0 0.0 0.0 -49.7 0.0 0.0 7.4 0.0 0.0	
60N				13 22 274 0.0 0.0 0.0 0.0 0.0 0.0 -48.5 0.0 0.0 8.0 0.0 0.0	
50N	5 6 61 15.2 31.3 19.7 77.2 13.6 19.7 -56.5 -69.3 19.7 4.1 -2.3 19.7		10 10 102 0.0 0.0 0.0 0.0 0.0 0.0 -48.1 0.0 0.0 10.0 0.0 0.0	11 11 150 0.0 0.0 0.0 0.0 0.0 0.0 -47.0 0.0 0.0 10.1 0.0 0.0	
40N	3 4 38 0.0 0.0 0.0 0.0 0.0 0.0 -58.2 0.0 0.0 3.2 0.0 0.0		13 16 164 0.0 0.0 0.0 0.0 0.0 0.0 -51.1 0.0 0.0 4.3 0.0 0.0	9 17 207 0.0 0.0 0.0 0.0 0.0 0.0 -50.4 0.0 0.0 1 8 0.0 0.0	
30N	1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -58.5 0.0 0.0 1.0 0.0 0.0		7 10 111 .2 1.4 1.8 10.6 1.6 .9 -60.2 -62.5 0.0 -15.8 -17.4 0.0	2 3 38 0.0 0.0 0.0 0.0 0.0 0.0 -48.8 0.0 0.0 -3.2 0.0 0.0	
20N		1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -58.0 0.0 0.0 -6.7 0.0 0.0	6 6 61 1.5 5.5 11.5 13.2 10.3 4.9 -57.5 -57.7 1.6 -12.2 -11.9 0.0		
10N		3 3 5 .2 .5 20.0 1.2 0.0 0.0 -58.3 -54.0 0.0 -9.4 -18.2 0.0	4 4 32 6.1 14.9 28.1 21.5 21.4 18.8 -59.5 -60.1 9.4 -14.1 -16.0 3.1	6 6 11 13.2 29.2 18.2 72.7 19.0 18.2 -58.0 -63.0 18.2 -16.6 -13.4 18.2	
0		1 1 5 55.5 36.8 80.0 69.3 27.1 80.0 -54.0 -53.8 60.0 0.0 0.0 60.0	2 2 27 62.9 27.9 96.3 65.3 25.5 88.9 -53.0 -52.9 88.9 -18.8 -18.8 66.7	12 12 108 20.0 28.5 48.1 41.6 28.0 41.7 -57.2 -60.2 31.5 -17.4 -15.5 17.6	
10S			1 1 7 53.4 32.1 85.7 62.3 25.5 85.7 -52.0 -52.0 71.4 0.0 0.0 57.1	18 21 167 21.2 30.0 54.5 38.9 31.0 43.1 -57.3 -60.1 29.9 -16.9 -16.8 18.0	
20S			2 3 26 .1 .2 7.7 .8 .4 0.0 -50.0 -57.5 0.0 -17.9 -16.4 0.0	9 9 110 4.1 14.5 13.6 29.9 27.7 8.2 -58.2 -58.7 6.4 -11.8 -15.5 3.6	
30S			4 6 75 0.0 0.0 0.0 0.0 0.0 0.0 -53.0 0.0 0.0 -6.8 0.0 0.0	19 27 305 1.0 8.0 2.6 36.4 34.2 2.0 -57.7 -62.4 1.0 -3.3 -5.0 .7	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
$\overline{TICIV}$ %	$SIGMA_{TICIV}$	P(TIC $\geq$ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC $\geq$ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC $\geq$ 50 %)

WINTER
38.5-43.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
						60N
6 7 91 0.0 0.0 0.0 0.0 0.0 0.0 -51.7 0.0 0.0 5.7 0.0 0.0	1 1 7 15.6 25.9 28.6 54.7 14.3 28.6 -65.0 -69.5 28.6 2.1 2.3 14.3				12 13 125 .9 7.1 1.6 54.7 14.3 1.6 -51.8 -69.5 1.6 5.9 2.3 .8	70N
7 11 138 0.0 0.0 0.0 0.0 0.0 0.0 -49.2 0.0 0.0 6.6 0.0 0.0	5 8 88 0.0 0.0 0.0 0.0 0.0 0.0 -52.6 0.0 0.0 7.3 0.0 0.0	5 5 32 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 8.3 0.0 0.0	2 4 44 0.0 0.0 0.0 0.0 0.0 0.0 -56.3 0.0 0.0 5.0 0.0 0.0		32 50 576 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 7.4 0.0 0.0	60N
8 8 60 .5 4.0 3.3 16.3 14.7 1.7 -56 0 -62.0 1.7 2.2 1.0 0.0	31 43 469 1.7 10.8 3.8 44.8 33.6 2.8 -54.6 -67.2 2.6 5.5 .3 1.7	8 8 82 20.7 36.3 28.0 73.9 27.8 26.8 -51.8 -69.3 24.4 6.1 -4.5 23.2	5 6 57 17.7 34.2 22.8 77.5 22.5 22.8 -56.2 -70.1 21.1 3.9 -2.5 21.1		78 92 981 4.6 18.6 6.9 65.8 30.9 6.2 -52.7 -68.7 5.8 6.5 -2.3 5.2	50N
34 51 607 1.8 11.1 4.4 39.9 35.5 2.6 -56.0 -63.9 2.5 1.6 -2.1 2.0	33 44 450 7.4 22.5 12.0 61.4 30.3 10.9 -56.7 -65.7 9.6 .2 -2.0 8.4		1 1 15 8.5 14.4 53.3 15.9 16.5 26.7 -61.1 -62.5 13.3 -8.5 -8.4 0.0		93 133 1481 3.1 14.7 6.0 50.8 34.3 4.7 -54.9 -64.9 4.1 1.6 -2.6 3.4	40N
22 32 380 1.1 8.3 3.2 33.7 32.7 2.4 -57.4 -63.5 1.3 -8.7 -6.1 .8	2 2 20 2.2 9.4 5.0 43.1 0.0 5.0 -56.4 -57.0 5.0 -15.2 -18.3 0.0				34 48 557 .8 7.1 2.7 31.2 30.4 2.0 -57.3 -62.9 1.1 -9.9 -8.4 .5	30N
18 19 251 3.3 11.4 15.1 22.0 21.2 9.2 -57.2 -58.2 6.0 -16.9 -15.6 2.0					25 26 314 3.0 10.5 14.3 20.6 20.2 8.3 -57.3 -58.1 5.1 -16.0 -15.0 1.6	20N
17 20 229 11.1 24.2 26.2 42.5 30.1 21.0 -56.4 -56.6 16.6 -17.8 -17.0 10.9					30 33 277 10.4 23.5 26.0 40.2 30.4 20.2 -56.8 -57.1 15.5 -17.1 -16.8 10.1	10N
9 9 118 6.9 18.6 19.5 35.3 27.9 13.6 -54.5 -56.3 11.9 -18.8 -17.0 6.8					24 24 258 19.2 30.0 40.7 47.2 29.9 34.5 -55.5 -57.3 29.1 -18.3 -16.4 18.6	0
8 11 143 22.4 31.3 52.4 42.6 31.7 42.7 -59.0 -64.1 32.9 -16.0 -14.5 20.3					27 33 317 22.4 31.0 54.3 41.3 31.4 43.8 -58.1 -61.6 32.2 -16.5 -15.8 19.9	10S
					11 12 136 3.3 13.1 12.5 26.5 27.7 6.6 -56.6 -58.6 5.1 -12.1 -15.6 2.9	20S
					23 33 380 .8 7.2 2.1 36.4 34.2 1.6 -56.8 -62.4 .8 -3.7 -5.0 .5	30S
						40S

APPENDIX D

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
38.5-43.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				11 11 57 0.0 0.0 0.0 0.0 0.0 0.0 -50.8 0.0 0.0 6.7 0.0 0.0	
60N				24 44 577 .0 .0 .2 .4 0.0 0.0 -52.1 -59.0 0.0 5.7 3.2 0.0	
50N	4 6 59 0.0 0.0 0.0 0.0 0.0 0.0 -58.6 0.0 0.0 2.2 0.0 0.0		23 23 205 .0 .4 .5 5.9 0.0 0.0 -56.1 -63.0 0.0 3.3 -5.3 0.0	38 52 640 4.0 16.2 8.6 46.4 32.9 6.7 -56.1 -64.0 5.5 2.4 -3.8 4.2	
40N	3 4 37 .2 1.3 2.7 8.2 0.0 0.0 -57.6 -62.0 0.0 .7 1.5 0.0		30 33 264 8.3 24.1 17.0 48.6 37.9 12.9 -57.9 -61.6 10.2 -.2 -6.2 7.6	5 7 76 5.0 17.6 11.8 42.0 32.6 9.2 -51.3 -61.8 6.6 .6 -7.3 5.3	
30N	1 1 5 0.0 0.0 0.0 0.0 0.0 0.0 -55.8 0.0 0.0 -15.9 0.0 0.0	1 1 4 0.0 0.0 0.0 0.0 0.0 0.0 -56.5 0.0 0.0 -4.7 0.0 0.0	10 14 128 .4 3.6 5.5 7.9 13.3 .8 -57.3 -55.3 .8 -13.7 -11.6 0.0	2 3 25 .7 3.2 8.0 8.4 8.0 4.0 -57.9 -58.0 0.0 -10.4 -9.8 0.0	
20N		1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -57.5 0.0 0.0 -4.0 0.0 0.0	9 9 91 .2 1.2 3.3 4.7 4.7 1.1 -58.3 -54.0 0.0 -15.6 -9.8 0.0	3 5 69 0.0 0.0 0.0 0.0 0.0 0.0 -53.3 0.0 0.0 -14.0 0.0 0.0	
10N		3 3 6 0.0 0.0 0.0 0.0 0.0 0.0 -63.7 0.0 0.0 -14.4 0.0 0.0	4 4 36 0.0 0.0 0.0 0.0 0.0 0.0 -62.4 0.0 0.0 -15.3 0.0 0.0	7 7 13 4.9 13.4 15.4 32.2 17.3 15.4 -57.5 -57.5 7.7 -17.6 0.0 0.0	
0				14 14 113 14.4 24.9 43.4 33.1 28.3 30.1 -58.6 -59.8 21.2 -17.3 -16.2 13.3	
10S				20 23 145 6.8 18.0 24.1 28.2 27.3 16.6 -58.4 -58.4 10.3 -16.3 -17.1 5.5	
20S				5 6 72 .1 .9 4.2 3.1 2.8 0.0 -57.0 -58.7 0.0 -11.6 -15.0 0.0	
30S				13 18 182 2.8 14.5 4.9 57.3 33.6 4.9 -57.4 -62.2 3.3 1.1 -11.6 2.7	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC $\geq$ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC $\geq$ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC $\geq$ 50 %)

SPRING
38.5-43.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
12 15 200 0.0 0.0 0.0 0.0 0.0 0.0 -49.7 0.0 0.0 6.5 0.0 0.0	3 3 28 0.0 0.0 0.0 0.0 0.0 0.0 -54.1 0.0 0.0 4.7 0.0 0.0				26 29 285 0.0 0.0 0.0 0.0 0.0 0.0 -50.4 0.0 0.0 6.4 0.0 0.0	70N
17 24 291 .0 .3 1.7 1.8 1.2 0.0 -52.0 -60.0 0.0 5.4 1.8 0.0	11 20 242 0.0 0.0 0.0 0.0 0.0 0.0 -54.6 0.0 0.0 5.0 0.0 0.0	16 20 214 .0 .1 .5 .8 0.0 0.0 -49.0 -60.0 0.0 6.4 2.3 0.0	12 16 182 .1 .7 .5 9.4 0.0 0.0 -53.6 -65.0 0.0 4.4 -1.2 0.0		80 124 1506 .0 .3 .5 2.5 2.9 0.0 -52.2 -60.5 0 0 5.5 1.7 0 0	60N
25 45 539 2.2 10.4 8.0 27.3 26.1 5.2 -59.9 -65.1 3.5 .7 -2.3 1.5	68 79 793 6.0 19.1 13.4 44.7 31.7 10.7 -56.0 -65.0 8.6 3.4 -1.0 6.2	22 24 216 2.9 14.9 8.3 35.1 39.1 3.7 -50.7 -60.2 3.7 5.4 1.0 3.2	5 5 43 0.0 0.0 0.0 0.0 0.0 0.0 -56.1 0.0 0.0 4.1 0.0 0.0		185 234 2495 3.6 15.2 8.9 40.8 32.5 6.6 -56.5 -64.4 5.2 2.7 -1.8 3.6	50N
44 52 502 1.3 7.8 7.4 17.3 23.4 3.0 -59.7 -66.0 1.8 -.5 -2.4 .8	67 96 957 4.7 17.9 8.7 54.0 31.8 7.6 -57.5 -64.1 6.7 2.4 -2.1 4.8	3 3 47 9.3 23.8 21.3 43.6 34.2 14.9 -57.7 -67.3 14.9 1.9 -6.4 8.5			152 195 1883 4.3 17.1 9.8 44.0 35.0 7.2 -57.9 -63.9 5.9 1.1 -3.7 4.1	40N
30 44 500 1.9 10.4 6.6 28.9 29.4 3.8 -60.3 -63.3 3.0 -5.2 -9.5 1.8	3 3 34 .5 1.7 11.8 4.3 3.0 0.0 -56.3 -58.5 0.0 -6.4 -6.6 0.0	3 3 45 1.7 6.8 11.1 15.0 14.6 6.7 -61.1 -64.6 2.2 -10.9 -7.0 0.0			50 69 741 1.5 8.9 6.9 21.9 26.5 3.2 -59.5 -61.7 2.3 -7.5 -9.3 1.2	30N
13 14 152 14.9 28.2 36.2 41.1 33.4 29.6 -58.1 -59.6 17.8 -13.5 -15.4 13.8	1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -56.4 0.0 0.0 -10.3 0.0 0.0	3 3 50 17.1 28.9 44.0 38.8 32.4 34.0 -55.6 -56.2 24.0 -16.6 -16.3 14.0			30 33 378 8.3 22.1 21.2 39.1 33.2 16.7 -56.8 -58.4 10.3 -14.3 -15.4 7.4	20N
13 15 138 16.1 28.5 39.1 41.1 32.4 29.0 -57.4 -57.8 23.9 -17.1 -17.4 14.5		5 5 61 13.8 27.0 36.1 38.2 33.1 23.0 -54.7 -55.6 23.0 -16.4 -14.2 13.1			32 34 254 12.3 25.7 30.7 40.0 32.3 22.0 -58.0 -57.2 18.9 -16.5 -16.2 11.0	10N
8 9 111 2.8 11.1 11.7 24.2 23.3 7.2 -55.0 -56.1 4.5 -18.1 -18.5 1.8		5 5 68 35.3 32.5 82.4 42.9 30.9 63.2 -54.3 -56.3 54.4 -17.0 -16.4 35.3			27 28 292 14.9 26.2 40.4 36.7 29.8 29.1 -56.3 -57.7 22.6 -17.8 -16.5 14.0	0
10 14 155 14.7 26.1 39.4 37.4 29.7 29.0 -63.3 -61.0 21.3 -15.6 -13.8 15.5		4 4 53 28.4 35.9 54.7 51.9 33.6 49.1 -57.7 -55.8 37.7 -16.2 -16.9 26.4			34 41 353 13.5 26.1 35.4 38.2 31.2 26.9 -60.3 -59.1 19.3 -16.0 -15.5 13.0	10S
		3 3 4 0.0 0.0 0.0 0.0 0.0 0.0 -57.8 0.0 0.0 -16.4 0.0 0.0			8 9 76 .1 .8 3.9 3.1 2.8 0.0 -57.0 -58.7 0.0 -11.9 -15.0 0.0	20S
					13 18 182 2.8 14.5 4.9 57.3 33.6 4.9 -57.4 -62.2 3.3 1.1 -11.6 2.7	30S
						40S

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
38.5-43.5 KFT

	15E	60E	105E	150E	165W
80N					
70N				8 8 45 0.0 0.0 0.0 0.0 0.0 0.0 -48.2 0.0 0.0 5.5 0.0 0.0	
60N				15 26 338 .4 3.6 2.7 15.1 16.2 1.2 -50.7 -61.9 .6 4.4 .2 0.0	
50N	3 3 45 0.0 0.0 0.0 0.0 0.0 0.0 -50.3 0.0 0.0 -2.3 0.0 0.0		12 12 91 3.8 14.5 8.8 42.7 27.2 6.6 -57.5 -63.6 6.6 -4.8 -8.8 5.5	24 31 363 2.6 11.6 9.9 26.3 27.0 6.1 -55.9 -59.7 3.9 -1.8 -7.7 1.9	
40N	2 4 41 0.0 0.0 0.0 0.0 0.0 0.0 -53.1 0.0 0.0 -16.0 0.0 0.0		17 17 110 3.4 12.8 14.5 23.3 25.6 8.2 -57.8 -58.4 3.6 -8.6 -12.9 2.7	5 5 41 3.3 11.0 17.1 19.6 19.8 7.3 -55.2 -54.4 7.3 -11.9 -13.0 0.0	
30N	2 2 6 9.2 16.6 33.3 27.6 17.8 16.7 -54.3 -55.0 16.7 -17.0 0.0 0.0		1 2 20 4.5 7.1 50.0 9.0 7.7 20.0 -51.7 -51.9 0.0 -12.1 -14.9 0.0	1 1 12 0.0 0.0 0.0 0.0 0.0 0.0 -54.0 0.0 0.0 -16.1 0.0 0.0	
20N		1 1 4 27.5 35.5100.0 27.5 35.5 50.0 0.0 -52.3 25.0 0.0 -16.8 25.0			
10N		1 1 13 55.5 34.9 84.6 65.6 27.8 84.6 -53.5 -53.3 69.2 -16.8 -16.8 61.5	1 1 1 2.0 0.0100.0 2.0 0.0 0.0 0.0 -53.0 0.0 0.0 -16.8 0.0	2 2 3 14.6 20.7 33.3 43.9 0.0 33.3 -57.5 -56.0 33.3 -18.8 -20.6 0.0	
0				4 4 33 22.1 29.1 54.5 40.5 28.4 42.4 -55.7 -56.2 30.3 -19.6 -19.5 24.2	
10S				3 4 41 9.8 20.7 26.8 36.4 25.1 22.0 -56.1 -56.2 17.1 -15.9 -17.8 7.3	
20S				2 3 37 .1 .6 2.7 3.5 0.0 0.0 -56.2 -56.0 0.0 -12.9 -17.9 0.0	
30S			2 2 15 0.0 0.0 0.0 0.0 0.0 0.0 -54.5 0.0 0.0 -9.5 0.0 0.0	4 6 74 .0 .3 2.7 1.6 1.2 0.0 -51.8 -54.5 0.0 3.2 -1.7 0.0	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
38.5-43.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
	5 5 46 0.0 0.0 0.0 0.0 0.0 0.0 -42.7 0.0 0.0 7.8 0.0 0.0	6 9 82 0.0 0.0 0.0 0.0 0.0 0.0 -42.0 0.0 0.0 7.4 0.0 0.0	1 1 7 0.0 0.0 0.0 0.0 0.0 0.0 -42.3 0.0 0.0 7.1 0.0 0.0		12 15 135 0.0 0.0 0.0 0.0 0.0 0.0 -42.2 0.0 0.0 7.5 0.0 0.0	80N
11 19 236 .5 4.7 3.4 14.3 21.4 .8 -51.4 -62.3 .8 3.5 -1 6 .4	33 40 420 0.0 0.0 0.0 0.0 0.0 0.0 -45.7 0.0 0.0 6.5 0.0 0.0	30 47 545 .0 .0 .2 .8 0.0 0.0 -45.9 -52.0 0.0 6.9 5.1 0.0	25 25 295 .0 .2 .3 3.5 0.0 0.0 -49.1 -65.0 0.0 5.7 1.8 0.0		107 139 1541 .1 1.9 .6 11.8 19.8 .1 -47.4 -61.5 1 6.0 -.6 .1	70N
15 18 148 0.0 0.0 0.0 0.0 0.0 0.0 -52.1 0.0 0.0 2.6 0.0 0.0	31 38 440 .0 .7 .5 9.6 3.3 .2 -50.1 -62.0 0.0 5.0 -1.6 0.0	15 23 264 .1 1.6 .8 18.6 3.7 .8 -50.1 -61.5 0.0 5.5 1.6 0.0	34 43 509 .0 .3 1.0 2.0 1.9 0.0 -51.6 -56.0 0.0 5.0 5.4 0.0		110 148 1699 .1 1.8 1 1 11.2 13.2 .4 -50.8 -60.2 .1 4.8 1.6 0.0	60N
28 36 324 3.0 11.2 14.2 21.3 22.3 8.3 -57.6 -63.3 4.6 -.8 -4.5 1.2	42 56 613 3.4 13.6 10.1 34.0 27.9 7.0 -55.4 -60.5 5.4 -2.0 -5.7 3.4	12 15 196 1.7 9.8 8.7 19.5 27.8 4.1 -54.2 -57.8 1.5 .7 -4.6 1.0	5 7 82 0.0 0.0 0.0 0.0 0.0 0.0 -53.1 0.0 0.0 1.9 0.0 0.0		126 160 1714 2.7 11.9 9.9 27.9 27.1 6.2 -55.6 -61.0 4.1 -1.5 -5.8 2.3	50N
21 24 198 .7 4.4 5.6 13.3 13.3 3.0 -57.6 -61.9 1.0 -4.9 -9.0 0.0	29 41 391 3.8 13.5 11.8 32.3 24.9 8.4 -54.4 -57.8 6.6 -9.4 -12.7 3.1				74 91 781 2.7 11.3 10.2 26.8 24.4 6.5 -55.7 -58.2 4.5 -8.4 -12.2 1.9	40N
5 7 94 0.0 0.0 0.0 0.0 0.0 0.0 -59.3 0.0 0.0 -9.8 0.0 0.0					9 12 132 1.1 5.1 9.1 12.1 12.3 3.8 -58.0 -52.4 .8 -10.8 -14.9 0.0	30N
2 2 35 3.3 14.4 8.6 38.0 33.3 5.7 -60.2 -58.7 2.9 -12.4 -15.6 2.9					3 3 39 5.7 19.2 17.9 32.0 35.0 10.3 -60.2 -55.0 5.1 -12.4 -16.3 5.1	20N
4 4 47 19.4 32.2 40.4 48.1 34.4 27.7 -56.0 -58.8 25.5 -19.6 -18.5 21.3					8 8 64 26.3 35.4 50.0 52.5 33.5 39.1 -56.0 -56.7 34.4 -19.4 -17.9 28.1	10N
2 2 31 54.8 30.1 93.5 58.6 27.3 90.3 -55.5 -55.5 77.4 -20.2 -20.1 54.8					6 6 64 37.9 33.8 73.4 51.7 29.1 65.6 -55.6 -55.8 53.1 -19.6 -19.9 39.1	0
					3 4 41 9.8 20.7 26.8 36.4 25.1 22.0 -56.1 -56.2 17.1 -15.9 -17.8 7.3	10S
					2 3 37 .1 .6 2.7 3.5 0.0 0.0 -56.2 -56.0 0.0 -12.9 -17.9 0.0	20S
					6 8 89 .0 .3 2.2 1.6 1.2 0.0 -52.3 -54.5 0.0 1.0 -1.7 0.0	30S
						40S

APPENDIX D

AUTUMN
38.5-43.5 KFT

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

	15E	60E	105E	150E	165W
80N					
70N				8 8 55 0.0 0.0 0.0 0.0 0.0 0.0 -47.6 0.0 0.0 7.5 0.0 0.0	
60N				16 28 379 .2 2.6 1.3 13.9 17.6 .5 -52.0 -55.8 .3 3.9 -5.2 0.0	
50N	3 5 53 0.0 0.0 0.0 0.0 0.0 0.0 -56.2 0.0 0.0 3.1 0.0 0.0		12 12 108 2.4 8.9 8.3 28.5 14.6 7.4 -56.2 -62.4 4.6 -1.4 -8.1 .9	27 39 526 .8 4.4 5.9 12.8 13.4 2.3 -55.4 -59.2 1.0 -1.3 -9.1 0.0	
40N	3 3 31 0.0 0.0 0.0 0.0 0.0 0.0 -54.5 0.0 0.0 -6.1 0.0 0.0		23 23 185 5.0 18.8 10.3 49.1 35.8 7.6 -56.7 -57.1 7.0 -8.8 -13.2 5.4	12 15 159 4.3 15.0 11.9 36.0 27.0 9.4 -57.8 -55.6 6.3 -10.2 -13.7 5.0	
30N	1 1 16 .1 .4 6.3 1.6 0.0 0.0 -59.9 -61.0 0.0 -7.5 -9.2 0.0	3 3 32 0.0 0.0 0.0 0.0 0.0 0.0 -57.9 0.0 0.0 -9.7 0.0 0.0	1 2 19 4.2 12.4 21.1 19.9 20.3 10.5 -49.7 -52.0 5.3 -18.4 -18.8 5 3	3 4 54 4.7 17.0 11.1 42.7 31.2 7.4 -53.8 -56.2 7.4 -11.5 -10.9 5.6	
20N		2 2 7 0.0 0.0 0.0 0.0 0.0 0.0 -54.6 0.0 0.0 -14.1 0.0 0.0	1 1 14 0.0 0.0 0.0 0.0 0.0 0.0 -52.2 0.0 0.0 -17.8 0.0 0.0		
10N		1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -52.7 0.0 0.0 -16.9 0.0 0.0	1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -53.0 0.0 0.0 -17.0 0.0 0.0	1 1 2 32.7 32.7 50.0 65.5 0.0 50.0 -56.0 -55.0 50.0 -17.6 -17.5 50.0	
0				3 3 4 18.4 31.9 25.0 73.7 0.0 25.0 -58.7 -55.0 25.0 -16.2 -17.2 25.0	
10S				4 5 46 2.4 13.6 10.9 22.0 35.6 4.3 -58.3 -55.8 2.2 -15.5 -17.0 2.2	
20S				3 3 33 .0 .1 3.0 .8 0.0 0.0 -55.5 -56.0 0.0 -10.2 -17.6 0.0	
30S	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -61.0 0.0 0.0 -13.2 0.0 0.0			7 9 104 .0 .3 1.9 2.0 1.6 0.0 -51.1 -53.0 0.0 3.0 5.6 0.0	
40S					

APPENDIX D

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
38.5-43.5 KFT

165W	120W	75W	30W	15E	ZONAL MEAN	
			1 1 4 0.0 0.0 0.0 0.0 0.0 0.0 -51.5 0.0 0.0 8.3 0.0 0.0		1 1 4 0.0 0.0 0.0 0.0 0.0 0.0 -51.5 0.0 0.0 8.3 0.0 0.0	80N
9 13 168 .1 .9 .6 12.2 0.0 .6 -51.9 -59.0 0.0 3.9 -2.7 0.0	2 2 14 0.0 0.0 0.0 0.0 0.0 0.0 -57.6 0.0 0.0 3.6 0.0 0.0	3 3 27 0.0 0.0 0.0 0.0 0.0 0.0 -45.6 0.0 0.0 7.7 0.0 0.0	3 5 56 0.0 0.0 0.0 0.0 0.0 0.0 -47.8 0.0 0.0 5.8 0.0 0.0		25 31 320 .0 .7 .3 12.2 0.0 .3 -50.1 -59.0 0.0 5.2 -2.7 0.0	70N
13 18 212 1.0 5.1 6.1 16.6 12.8 3.8 -53.5 -65.5 1.4 2.6 -2.3 0.0	10 14 149 0.0 0.0 0.0 0.0 0.0 0.0 -53.6 0.0 0.0 4.6 0.0 0.0	16 25 283 .0 .4 1.1 3.1 2.8 0.0 -52.8 -56.3 0.0 4.2 5.7 0.0	14 21 232 1.1 6.9 3.9 28.9 20.8 3.0 -54.3 -65.8 1.7 3.9 -2.0 .4		69 106 1255 .4 3.9 2.4 18.5 17.7 1.4 -53.0 -63.1 .6 3.8 -1.9 .1	60N
22 38 502 2.0 9.7 10.8 19.0 23.5 5.2 -58.0 -64.4 3.2 -.3 -3.3 1.6	13 18 219 2 0 9.8 6.8 29.9 24.1 5.0 -57.6 -64.1 3.7 .6 -2.7 1.4	23 29 314 4.9 18.2 10.2 47.6 35.0 7.6 -55.9 -65.5 6.7 .4 -2.3 5.1	2 2 7 .7 1.6 14.3 4.7 0.0 0.0 -56.5 -64.0 0.0 2.8 -2.1 0.0		102 143 1729 2.1 10.6 8.2 25.8 27.7 4.7 -56.6 -63.4 3.2 -.3 -4.6 1.6	50N
16 16 135 .0 .1 1.5 1.2 0.0 0.0 -58.9 -57.5 0.0 -3.7 -4.9 0.0	13 17 137 .1 1.1 .7 13.3 0.0 .7 -56.6 -51.0 0.0 -7.9 -5.4 0.0				67 74 647 2.5 12.7 6.3 39.8 32.7 4.6 -57.3 -56.2 3.6 -7.6 -12.8 2.8	40N
7 8 86 2.9 12.1 16.3 17.8 25.2 7.0 -59.4 -60.6 3.5 -11.1 -11.0 2.3	1 1 13 0.0 0.0 0.0 0.0 0.0 0.0 -52.8 0.0 0.0 -14.0 0.0 0.0		1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -57.0 0.0 0.0 -17.3 0.0 0.0		17 20 221 2.7 12.0 11.3 23.5 28.0 5.4 -56.6 -58.2 3.6 -11.5 -12.1 2.7	30N
4 4 53 8.8 19.6 30.2 29.1 26.2 20.8 -58.6 -58.2 13.2 -14.9 -16.1 7.5			1 1 6 .8 1.8 16.7 4.7 0.0 0.0 -56.0 -56.0 0.0 -18.5 -18.8 0.0		8 8 80 5.9 16.5 21.3 27.7 26.0 13.8 -56.5 -58.1 8.8 -15.7 -16.3 5.0	20N
6 6 58 4.6 17.4 8.6 53.7 29.9 6.9 -57.3 -57.0 6.9 -16.7 -15.7 5.2	1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -55.0 0.0 0.0 -16.8 0.0 0.0	1 1 13 0.0 0.0 0.0 0.0 0.0 0.0 -53.8 0.0 0.0 -17.2 0.0 0.0	1 1 5 22.7 22.4 60.0 37.8 16.3 60.0 -54.5 -55.3 40.0 -18.7 -18.8 20.0		12 12 96 4.7 16.5 9.4 49.7 25.9 8.3 -55.9 -56.2 7.3 -16.9 -16.9 5.2	10N
5 5 69 2.0 12.3 7.2 27.2 37.4 2.9 -55.6 -57.4 2.9 -17.6 -17.0 1.4		1 1 9 0.0 0.0 0.0 0.0 0.0 0.0 -55.4 0.0 0.0 -17.4 0.0 0.0	1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -54.7 0.0 0.0 -18.1 0.0 0.0		10 10 88 2.4 13.3 6.8 35.0 38.3 3.4 -55.7 -57.0 3.4 -17.6 -17.0 2.3	0
2 2 26 19.7 32.8 30.8 63.9 25.9 30.8 -57.1 -58.0 26.9 -14.9 -16.8 23.1			1 1 5 0.0 0.0 0.0 0.0 0.0 0.0 -61.2 0.0 0.0 -14.3 0.0 0.0		7 8 77 8.1 23.3 16.9 47.8 36.3 13.0 -58.2 -57 2 10.4 -15.2 -16.9 9.1	10S
			1 1 4 0.0 0.0 0.0 0.0 0.0 0.0 -60.8 0.0 0.0 -14.9 0.0 0.0		4 4 37 .0 .1 2.7 .8 0.0 0.0 -56.1 -56 0 0.0 -10.8 -17.6 0.0	20S
					8 10 105 .0 .3 1.9 2.0 1.6 0.0 -51.2 -53 0 0.0 2.9 5.6 0.0	30S
						40S

APPENDIX E

CLOUD-ENCOUNTER STATISTICS AS FUNCTIONS OF LATITUDE, LONGITUDE, NORTHERN HEMISPHERE SEASON, AND DISTANCE FROM THE NMC TROPOPAUSE

This appendix is a tabulation of statistics for several quantities related to cloud encounter over the geographic area covered by the GASP flights. These statistics are presented with respect to distance from the tropopause. The latitude and longitude grid chosen appears in figure D1. Subsequent pages of this appendix give statistical data within each grid cell in accordance with the code given at the top of each page. The variables in the code and their explanation are identical to those for appendix D. The season and distance from the tropopause appear near the top of each page.

APPENDIX E

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
10-15 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N					
50N	8 8 18 33.8 38.5 55.6 60.9 31.9 44.4 -40.4 -40.2 44.4 -11.6 -11.6 38.9				
40N	21 21 97 12.7 25.4 33.0 38.5 31.1 22.7 -46.9 -44.2 18.6 -12.2 -11.9 12.4		17 17 53 3.0 15.4 3.8 80.4 9.8 3.8 -43.3 -38.5 3.8 -12.1 -13.2 3.8	4 4 37 0.0 0.0 0.0 0.0 0.0 0.0 -43.7 0.0 0.0 -12.2 0.0 0.0	
30N	17 17 87 2.2 11.0 5.7 37.8 27.3 5.7 -43.0 -47.6 2.3 -12.9 -12.2 1.1	19 20 149 5.8 19.3 10.7 53.9 29.2 9.4 -45.5 -50.2 8.7 -12.3 -12.1 6.7	12 13 75 .4 3.6 1.3 31.0 0.0 1.3 -46.3 -51.0 1.3 -13.4 -10.2 0.0	6 6 27 0.0 0.0 0.0 0.0 0.0 0.0 -42.8 0.0 0.0 -13.3 0.0 0.0	
20N		5 5 13 1.0 3.4 15.4 6.7 6.3 7.7 -46.2 -50.5 0.0 -13.0 -14.3 0.0	4 4 22 5.5 16.9 27.3 20.1 27.5 9.1 -49.6 -51.2 9.1 -12.5 -11.2 4.5	1 3 45 0.0 0.0 0.0 0.0 0.0 0.0 -46.8 0.0 0.0 -12.6 0.0 0.0	
10N				1 1 2 72.7 19.0100.0 72.7 19.0100.0 0.0 -63.0100.0 0.0 -13.4100.0	
0				1 1 15 47.5 23.2100.0 47.5 23.2 93.3 0.0 -63.6 86.7 0.0 -13.6 40.0	
10S				5 5 27 35.7 36.6 70.4 50.8 33.8 63.0 -63.4 -65.8 48.1 -14.0 -14.0 33.3	
20S		1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -46.0 0.0 0.0 -14.5 0.0 0.0	1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -42.0 0.0 0.0 -13.5 0.0 0.0	15 15 56 2.9 7.6 17.9 16.4 10.1 10.7 -54.5 -52.1 3.6 -13.2 -12.2 0.0	
30S		1 1 7 0.0 0.0 0.0 0.0 0.0 0.0 -47.6 0.0 0.0 -14.0 0.0 0.0	22 27 203 2.1 10.6 8.4 24.8 27.9 4.4 -48.7 -44.1 2.5 -12.6 -13.0 1.5	30 31 162 8.0 21.5 21.0 38.1 32.6 14.8 -47.4 -44.5 11.1 -12.0 -13.0 8.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
10-15 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
		1 1 11 45.7 27.9 90.9 50.2 25.1 81.8 -54.0 -53.6 81.8 -10.1 -11.4 36.4	15 15 33 17.6 30.2 33.3 52.7 29.7 27.3 -41.4 -37.8 24.2 -11.7 -12.6 18.2		16 16 44 24.6 32.0 47.7 51.5 27.6 40.9 -41.9 -45.3 38.6 -11.6 -12.0 22.7	60N
7 7 21 4.2 15.0 14.3 29.2 29.1 9.5 -43.4 -45.0 4.8 -12.1 -10.2 4.8	21 21 40 11.5 28.2 22.5 51.0 38.8 15.0 -37.2 -37.7 15.0 -12.3 -12.0 10.0	28 30 117 27.1 35.1 50.4 53.7 31.9 44.4 -42.6 -50.7 38.5 -11.6 -12.3 29.1	11 11 36 12.7 23.9 41.7 30.4 28.9 25.0 -43.3 -44.8 19.4 -11.7 -11.7 8.3		75 77 232 20.6 32.7 41.4 49.8 33.5 33.2 -41.5 -47.3 28.9 -11.9 -12.0 21.1	50N
58 59 237 12.5 24.8 30.8 40.7 29.3 24.9 -47.1 -49.9 18.6 -12.1 -11.7 11.8	38 40 115 13.1 26.4 31.3 42.0 32.0 26.1 -45.4 -46.6 19.1 -12.3 -12.8 11.3	3 3 8 51.2 30.4100.0 51.2 30.4 87.5 0.0 -40.5 75.0 0.0 -12.7 50.0			141 144 547 11.5 24.6 27.6 41.6 30.7 21.9 -45.9 -47.3 16.8 -12.2 -12.1 10.8	40N
85 94 655 17.7 28.9 42.1 41.9 31.2 33.1 -50.5 -49.0 25.2 -12.5 -12.4 17.1	1 1 9 0.0 0.0 0.0 0.0 0.0 0.0 -55.2 0.0 0.0 -11.9 0.0 0.0		1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -42.0 0.0 0.0 -14.5 0.0 0.0		141 152 1003 12.6 25.3 29.7 42.4 31.1 23.6 -48.0 -49.0 18.0 -12.6 -12.4 12 3	30N
10 11 62 11.6 22.8 38.7 30.0 28.1 25.8 -58.2 -57.9 19.4 -13.8 -14.0 11.3					20 23 142 6.0 17 3 22.5 26.7 27.9 13.4 -51.1 -56.2 9.9 -13.1 -13.5 5.6	20N
6 6 25 25.2 32.9 44.0 57.3 24.8 44.0 -53.9 -63.0 36.0 -13.0 -13.6 28.0					7 7 27 28.7 34.4 48.1 59.7 24.7 48.1 -53.9 -63.0 40.7 -13.0 -13.6 33.3	10N
					1 1 15 47.5 23.2100.0 47.5 23.2 93.3 0.0 -63.6 86.7 0.0 -13.6 40.0	0
4 7 77 27.0 31.5 68.8 39.2 31.1 54.5 -64.8 -65.8 39.0 -14.0 -13.9 23.4					9 12 104 29.3 33 1 69.2 42.3 32.2 56.7 -64.4 -65.8 41.3 -14.0 -13.9 26.0	10S
					17 17 63 2.6 7.2 15.9 16.4 10.1 9.5 -52.9 -52.1 3.2 -13.2 -12.2 0.0	20S
					53 59 372 4.6 16.5 13.7 33.6 31.8 8.9 -48.2 -44.4 6.2 -12.4 -13.0 4.3	30S
						40S

APPENDIX E

	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
Code:	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
10-15 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N					
50N	5 5 5 0.0 0.0 0.0 0.0 0.0 0.0 -33.6 0.0 0.0 -13.4 0.0 0.0			7 7 43 6.7 19.1 18.6 35.8 30.3 11.6 -57.4 -56.3 11.6 -11.8 -12.3 4.7	
40N	8 8 16 0.0 0.0 0.0 0.0 0.0 0.0 -39.3 0.0 0.0 -12.2 0.0 0.0		44 45 145 15.1 29.0 32.4 46.6 33.7 26.9 -45.9 -48.1 19.3 -12.3 -11.8 15.2	4 4 21 17.0 24.0 66.7 25.4 25.4 38.1 -44.3 -46.2 28.6 -12.6 -13.4 14.3	
30N	2 2 3 0.0 0.0 0.0 0.0 0.0 0.0 -52.0 0.0 0.0 -13.6 0.0 0.0	10 11 83 8.4 22.9 18.1 46.7 33.3 14.5 -45.1 -49.7 13.3 -12.5 -12.1 8.4	19 20 110 6.6 17.5 24.5 26.8 26.5 15.5 -50.9 -48.6 9.1 -12.5 -12.7 5.5	8 10 135 5.4 14.2 25.9 20.9 21.4 13.3 -50.0 -48.4 9.6 -12.9 -13.3 3.7	
20N		7 7 29 9.2 18.8 27.6 33.4 21.8 24.1 -45.9 -46.9 17.2 -12.6 -11.7 6.9	14 14 72 .3 1.4 8.3 3.1 4.0 1.4 -48.6 -44.8 0.0 -12.9 -12.7 0.0	8 13 174 4.7 17.0 10.3 45.9 29.9 9.2 -48.7 -47.2 7.5 -13.1 -13.7 4.6	
10N		4 4 10 0.0 0.0 0.0 0.0 0.0 0.0 -56.8 0.0 0.0 -12.8 0.0 0.0	3 3 24 .6 2.3 8.3 7.1 4.3 4.2 -61.5 -45.5 0.0 -14.2 -13.7 0.0		
0				2 2 21 23.4 32.4 57.1 40.9 33.5 38.1 -48.4 -63.6 33.3 -14.6 -14.6 23.8	
10S				7 7 41 3.1 9.4 17.1 18.2 15.7 12.2 -58.9 -61.6 2.4 -13.4 -14.0 2.4	
20S				7 8 48 .2 1.0 4.2 4.5 2.5 0.0 -56.6 -58.0 0.0 -12.4 -14.3 0.0	
30S				12 12 23 3.8 17.9 4.3 87.8 0.0 4.3 -49.3 -61.0 4.3 -12.9 -14.8 4.3	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
10-15 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
		1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -37.5 0.0 0.0 -13.0 0.0 0.0	17 17 28 5.2 15.5 25.0 20.8 25.1 10.7 -37.2 -32.9 10.7 -12.6 -12.8 3.6		18 18 34 4.3 14.2 20.6 20.8 25.1 8.8 -37.3 -32.9 8.8 -12.7 -12.8 2.9	60N
7 7 19 2.4 6.3 31.6 7.6 9.3 10.5 -45.7 -55.8 5.3 -12.9 -12.2 0.0	54 54 63 11.5 24.7 27.0 42.7 30.4 20.6 -34.1 -34.7 17.5 -12.4 -12.6 11.1	37 38 80 13.6 26.4 31.3 43.5 30.4 25.0 -40.4 -39.8 21.3 -12.1 -12.0 13.8	11 11 42 5.8 16.1 26.2 22.2 24.9 14.3 -39.3 -46.4 9.5 -12.3 -11.8 4.8		121 122 252 9.5 22.3 26.6 35.7 30.6 18.3 -42.1 -43.0 15.1 -12.2 -12.2 8.7	50N
47 47 234 2.2 9.7 12.8 16.8 22.0 5.6 -46.8 -45.5 3.0 -12.0 -11.7 1.3	52 52 67 11.1 23.8 28.4 39.2 30.0 20.9 -37.9 -37.6 16.4 -12.3 -12.5 11.9	5 5 10 2.4 6.7 20.0 12.0 10.4 10.0 -49.9 -29.5 0.0 -12.1 -11.6 0.0			160 161 493 7.7 20.8 22 7 34.1 31.8 15.2 -45.2 -45.1 10.5 -12.1 -12.1 7.3	40N
98 103 601 6.0 18.1 19.3 30.9 30.5 13.0 -49.3 -49.9 9.0 -12.2 -12.7 4.5	11 11 69 9.7 23.1 27.5 35.2 32.2 15.9 -49.9 -47.3 13.0 -12.5 -12.8 10.1	7 7 27 4.3 13.3 11.1 38.4 16.4 11.1 -56.5 -49.3 7.4 -12.9 -13.5 3.7			155 164 1028 6.4 18.3 20 9 30.4 29.6 13.5 -49.5 -49.2 9.6 -12.4 -12.8 5.2	30N
15 15 77 8.4 22.2 19.5 43.1 32.1 14.3 -54.4 -57.1 11.7 -12.2 -13.6 6.5	8 8 73 10.5 23.7 31.5 33.3 32.1 19.2 -51.1 -49.7 13.7 -12.2 -13.4 9.6	6 6 21 29.1 37.0 57.1 50.9 35.8 38.1 -51.2 -53.0 38.1 -13.2 -13.4 33.3			58 63 446 7.0 20.3 16.4 38.2 32.4 12.8 -49.9 -50.4 10.1 -12.8 -13.3 6.5	20N
2 2 14 21.5 31.9 42.9 50.3 30.6 28.6 -51.6 -48.8 28.6 -13.2 -13.1 28.6		3 3 31 42.8 40.1 71.0 60.3 34.7 58.1 -49.1 -51.3 58.1 -13.1 -12.1 41.9			12 12 79 20.8 34.4 38.0 54.8 35.4 29.1 -56.6 -50.4 27.8 -13.5 -12.4 21.5	10N
					2 2 21 23.4 32.4 57.1 40.9 33 5 38.1 -48.4 -63.6 33.3 -14.6 -14.6 23.8	0
5 6 65 19.4 27.0 49.2 39.4 26.4 40.0 -65.3 -59.5 29.2 -14.4 -12.6 21.5					12 13 106 13.1 23.4 36.8 35.6 26 1 29.2 -62.0 -59.8 18.9 -13.9 -12.9 14.2	10S
					7 8 48 .2 1.0 4.2 4.5 2 5 0.0 -56.6 -58.0 0.0 -12.4 -14.3 0.0	20S
					12 12 23 3.8 17.9 4.3 87.8 0.0 4.3 -49.3 -61.0 4.3 -12.9 -14.8 4.3	30S
						40S

APPENDIX E

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
10-15 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N					
50N	10 10 36 3.6 15.9 8.3 43.8 35.7 5.6 -40.8 -37.0 5.6 -12.3 -12.0 2.8		7 7 16 3.4 12.4 12.5 27.5 23.9 6.3 -53.5 -54.5 6.3 -11.6 -12.6 6.3	14 14 114 15.3 23.9 50.9 30.0 26.1 35.1 -50.9 -50.7 23.7 -12.2 -12.1 12.3	
40N	9 10 43 3.8 12.3 18.6 20.4 21.6 9.3 -41.8 -38.9 7.0 -12.8 -13.3 4.7		23 23 84 12.6 25.7 35.7 35.3 32.4 21.4 -51.9 -51.3 16.7 -12.4 -13.0 11.9	12 12 56 5.6 14.4 23.2 24.0 21.2 14.3 -49.5 -52.5 8.9 -13.1 -13.4 3.6	
30N		3 3 18 4.1 16.9 5.6 73.7 0.0 5.6 -39.8 -40.0 5.6 -13.2 -14.9 5.6	1 1 7 9.0 9.3 71.4 12.6 8.6 42.9 -51.5 -51.8 0.0 -12.1 -13.5 0.0	1 2 26 0.0 0.0 0.0 0.0 0.0 0.0 -49.0 0.0 0.0 -13.9 0.0 0.0	
20N		1 1 5 7.3 7.0 60.0 12.2 4.7 40.0 -39.0 -38.7 0.0 -14.5 -14.7 0.0			
10N					
0				1 1 17 18.7 27.3 58.8 31.8 29.1 35.3 -47.3 -48.3 29.4 -13.7 -13.3 23.5	
10S				3 3 17 0.0 0.0 0.0 0.0 0.0 0.0 -53.1 0.0 0.0 -13.0 0.0 0.0	
20S			11 11 48 .1 .6 2.1 4.3 0.0 0.0 -44.6 -51.0 0.0 -12.8 -11.2 0.0	5 6 45 .1 .4 2.2 2.7 0.0 0.0 -50.7 -43.0 0.0 -12.6 -14.2 0.0	
30S			17 17 48 .4 2.7 4.2 10.6 8.2 2.1 -43.0 -36.0 0.0 -12.3 -12.0 0.0	7 7 22 2.5 11.6 4.5 55.7 0.0 4.5 -44.9 -41.0 4.5 -12.2 -12.5 4.5	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
10-15 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
					10 10 12 5.9 19.7 8.3 71.4 0.0 8.3 -33.9 -31.0 8.3 -12.2 -10.9 8.3	60N
10 12 62 6.8 15.4 37.1 18.4 20.6 16.1 -50.2 -52.9 8.1 -13.2 -12.1 4.8	56 58 395 9.8 24.2 24.1 40.8 34.1 17.0 -49.5 -49.2 13.9 -12.6 -12.4 10.4	10 10 16 16.6 28.8 37.5 44.2 31.4 25.0 -43.6 -49.3 25.0 -12.1 -12.4 18.8	6 6 14 5.0 15.1 28.6 17.5 24.1 7.1 -35.7 -36.0 7.1 -12.1 -11.5 7.1		113 117 653 10.1 23.0 29.2 34.4 31.2 19.1 -48.8 -49.7 14.5 -12.5 -12.3 9.8	50N
72 79 644 2.9 13.9 6.8 41.9 34.4 4.8 -49.4 -51.8 3.9 -12.3 -11.8 2.6	37 43 378 3.7 12.8 14.6 25.5 23.9 9.0 -52.0 -53.8 6.1 -13.2 -13.5 2.4	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -34.0 0.0 0.0 -11.0 0.0 0.0			154 168 1206 4.0 14.9 12.4 31.9 29.8 7.9 -50.1 -51.8 5.8 -12.7 -12.9 3.3	40N
66 74 702 2.9 13.2 10.0 29.5 31.1 6.1 -49.5 -50.7 4.0 -12.6 -12.8 2.6					71 80 753 2.9 13.1 10.1 29.0 30.7 6.2 -49.3 -50.6 3.9 -12.7 -12.9 2.5	30N
3 3 21 0.0 0.0 0.0 0.0 0.0 0.0 -57.5 0.0 0.0 -12.5 0.0 0.0					4 4 26 1.4 4.2 11.5 12.2 4.7 7.7 -55.9 -38.7 0.0 -12.7 -14.7 0.0	20N
1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -60.5 0.0 0.0 -12.9 0.0 0.0					1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -60.5 0.0 0.0 -12.9 0.0 0.0	10N
					1 1 17 18.7 27.3 58.8 31.8 29.1 35.3 -47.3 -48.3 29.4 -13.7 -13.3 23.5	0
					3 3 17 0.0 0.0 0.0 0.0 0.0 0.0 -53.1 0.0 0.0 -13.0 0.0 0.0	10S
					16 17 93 .1 .5 2.2 3.5 .8 0.0 -47.5 -47.0 0.0 -12.7 -12.7 0.0	20S
					24 24 70 1.1 6.9 4.3 25.6 22.3 2.9 -43.6 -37.7 1.4 -12.3 -12.1 1.4	30S
						40S

APPENDIX E

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
10-15 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N					2 2 17 8.5 17.8 23.5 36.1 18.5 23.5 -50.8 -53.8 11.8 -12.1 -13.2 5.9
50N	13 13 63 14.2 27.0 31.7 44.7 30.5 27.0 -41.8 -46.0 20.6 -11.5 -11.4 12.7		6 6 19 5.0 14.6 10.5 47.6 1.8 10.5 -46.5 -49.0 10.5 -12.6 -12.9 0.0	21 23 188 7.5 17.1 30.3 24.6 23.4 19.1 -51.5 -53.0 11.2 -12.4 -12.1 5.9
40N	16 16 75 0.0 0.0 0.0 0.0 0.0 0.0 -44.9 0.0 0.0 -12.5 0.0 0.0		37 37 151 11.6 25.4 28.5 40.8 32.7 21.2 -50.2 -49.7 16.6 -12.3 -13.0 11.3	22 25 200 8.8 19.6 32.5 27.2 26.2 22.5 -52.0 -50.4 11.5 -12.4 -12.5 7.0
30N	2 2 9 17.1 32.3 33.3 51.2 37.0 22.2 -45.3 -43.0 22.2 -13.5 -11.8 22.2	10 10 88 .2 1.5 2.3 9.4 2.7 1.1 -46.3 -49.5 0.0 -12.7 -12.9 0.0		6 6 68 6.2 14.9 27.9 22.1 21.0 16.2 -50.8 -48.2 10.3 -12.3 -12.2 2.9
20N		1 1 5 0.0 0.0 0.0 0.0 0.0 0.0 -54.4 0.0 0.0 -11.2 0.0 0.0		
10N				
0		1 1 6 31.4 16.6 83.3 37.6 9.7 83.3 -40.0 -40.4 83.3 -14.0 -14.6 16.7	2 2 30 22.0 32.9 40.0 55.1 29.8 33.3 -41.9 -41.8 33.3 -14.6 -14.8 23.3	1 1 3 9.5 9.0 66.7 14.3 7.3 33.3 -51.0 -51.5 0.0 -14.6 -15.0 0.0
10S		1 2 19 6.6 15.2 26.3 25.3 20.1 21.1 -44.2 -40.0 10.5 -13.0 -13.6 5.3	1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -42.0 0.0 0.0 -15.0 0.0 0.0	3 3 19 0.0 0.0 0.0 0.0 0.0 0.0 -58.7 0.0 0.0 -13.7 0.0 0.0
20S		1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -45.0 0.0 0.0 -14.4 0.0 0.0	2 2 17 0.0 0.0 0.0 0.0 0.0 0.0 -44.2 0.0 0.0 -13.7 0.0 0.0	9 10 57 3.2 15.3 7.0 45.3 38.0 5.3 -47.8 -49.5 3.5 -12.9 -13.6 3.5
30S	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -61.0 0.0 0.0 -13.2 0.0 0.0		7 7 14 0.0 0.0 0.0 0.0 0.0 0.0 -45.9 0.0 0.0 -12.1 0.0 0.0	8 8 19 20.4 33.1 31.6 64.4 25.0 31.6 -40.2 -43.2 26.3 -12.1 -12.2 26.3
40S				

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC $\geq$ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC $\geq$ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC $\geq$ 50 %)

AUTUMN
10-15 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -56.5 0.0 0.0 -11.9 0.0 0.0		6 6 23 0.0 0.0 0.0 0.0 0.0 0.0 -43.6 0.0 0.0 -11.6 0.0 0.0	48 49 172 8.5 20.2 30.8 27.5 28.3 18.0 -38.1 -40.0 12.8 -11.9 -12.5 7.0		57 58 214 7.5 19.0 26.6 28.1 27.8 16.4 -40.2 -40.9 11.2 -11.9 -12.6 6.1	60N
19 20 149 4.0 15.5 9.4 42.5 30.1 6.7 -46.7 -52.4 6.7 -12.7 -11.6 4.0	20 20 51 17.4 32.7 33.3 52.1 37.4 25.5 -46.1 -45.4 21.6 -11.4 -11.7 17.6	57 58 224 13.4 28.0 24.1 55.7 29.9 21.9 -41.4 -45.5 18.8 -12.4 -11.2 14.7	25 25 63 2.5 10.8 11.1 22.2 24.7 6.3 -43.8 -42.9 3.2 -11.9 -11.5 3.2		161 165 757 9.3 22.8 22.6 41.1 31.6 17.3 -45.6 -48.5 13.3 -12.3 -11.6 9.1	50N
32 32 179 3.8 15.1 11.7 32.4 31.8 7.8 -48.8 -48.3 5.6 -12.6 -12.0 2.8	27 30 124 10.6 25.2 21.0 50.5 31.8 16.1 -50.3 -46.3 14.5 -12.3 -11.7 12.9	3 3 3 0.0 0.0 0.0 0.0 0.0 0.0 -34.7 0.0 0.0 -11.8 0.0 0.0			137 143 732 7.5 20.4 21.2 35.6 31.1 15.2 -49.5 -49.2 10.4 -12.5 -12.4 7.1	40N
21 23 224 6.9 20.0 21.4 32.3 32.4 11.6 -52.1 -51.4 10.7 -12.6 -13.9 6.7	1 1 13 0.0 0.0 0.0 0.0 0.0 0.0 -52.8 0.0 0.0 -14.0 0.0 0.0				40 42 402 5.3 17.2 17.9 29.8 30.4 10.0 -50.3 -50.2 8.2 -12.7 -13.3 4.7	30N
5 5 42 7.5 20.6 21.4 35.0 32.0 11.9 -57.8 -56.8 9.5 -14.1 -14.6 9.5					6 6 47 6.7 19.6 19.1 35.0 32.0 10.6 -57.4 -56.8 8.5 -13.7 -14.6 8.5	20N
2 2 9 0.0 0.0 0.0 0.0 0.0 0.0 -52.1 0.0 0.0 -13.5 0.0 0.0					2 2 9 0.0 0.0 0.0 0.0 0.0 0.0 -52.1 0.0 0.0 -13.5 0.0 0.0	10N
					4 4 39 22.5 30.1 48.7 46.2 27.7 41.0 -42.3 -42.5 38.5 -14.6 -14.8 20.5	0
2 2 11 0.0 0.0 0.0 0.0 0.0 0.0 -56.5 0.0 0.0 -13.5 0.0 0.0			1 1 4 0.0 0.0 0.0 0.0 0.0 0.0 -62.5 0.0 0.0 -13.4 0.0 0.0		8 9 55 2.3 9.5 9.1 25.3 20.1 7.3 -53.8 -40.0 3.6 -13.5 -13.6 1.8	10S
			1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -60.5 0.0 0.0 -14.3 0.0 0.0		13 14 78 2.3 13.2 5.1 45.3 38.0 3.8 -47.3 -49.5 2.6 -13.2 -13.6 2.6	20S
					16 16 34 11.4 26.7 17 6 64.4 25.0 17.6 -43.8 -43.2 14.7 -12.1 -12.2 14.7	30S
						40S

APPENDIX E

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
5-10 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N					
50N	17 18 129 12.5 28.0 24.0 51.9 34.9 20.2 -48.0 -50.1 14.7 -7.1 -6.5 13.2		1 1 1 47.1 0.0100.0 47.1 0.0100.0 0.0 -48.0100.0 0.0 -8.5 0.0		
40N	29 31 253 14.1 27.5 28.9 48.9 30.2 24.9 -48.6 -49.1 19.8 -7.4 -7.5 13.4		24 24 96 3.2 11.9 10.4 30.9 22.6 10.4 -48.1 -49.8 4.2 -7.3 -7.0 1.0	6 6 55 7.8 21.6 18.2 43.1 32.4 12.7 -46.4 -52.5 10.9 -6.8 -6.3 10.9	
30N	11 11 47 7.1 21.8 10.6 66.9 21.5 10.6 -45.7 -45.2 10.6 -8.2 -7.9 6.4	16 16 115 6.2 17.2 20.9 29.8 26.8 13.9 -47.5 -52.9 9.6 -7.7 -7.1 3.5	4 4 11 0.0 0.0 0.0 0.0 0.0 0.0 -52.0 0.0 0.0 -7.4 0.0 0.0	4 4 25 0.0 0.0 0.0 0.0 0.0 0.0 -48.8 0.0 0.0 -7.8 0.0 0.0	
20N		2 2 5 0.0 0.0 0.0 0.0 0.0 0.0 -53.0 0.0 0.0 -7.2 0.0 0.0	3 3 27 1.5 5.5 14.8 10.2 10.8 3.7 -56.7 -56.0 3.7 -6.0 -7.9 0.0		
10N		1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -57.3 0.0 0.0 -7.4 0.0 0.0	1 1 5 0.0 0.0 0.0 0.0 0.0 0.0 -58.0 0.0 0.0 -7.0 0.0 0.0		
0					
10S					
20S				6 6 17 0.0 0.0 0.0 0.0 0.0 0.0 -60.4 0.0 0.0 -8.1 0.0 0.0	
30S			13 14 87 4.2 16.3 8.0 52.2 28.1 8.0 -50.1 -50.0 6.9 -7.9 -7.9 4.6	24 26 198 5.5 18.5 14.1 39.2 33.2 9.6 -54.6 -50.3 7.6 -7.2 -7.4 5.1	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
5-10 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
	1 1 11 56.6 34.0 90.9 62.2 30.3 90.9 -52.0 -52.7 72.7 -6.8 -6.6 63.6	6 6 13 41.5 43.5 53.8 77.1 27.9 53.8 -56.3 -61.3 46.2 -6.2 -6.2 46.2	33 33 154 23.4 33.0 50.6 46.2 33.2 37.0 -51.5 -55.1 33.1 -7.0 -6.9 22.1		40 40 178 26.8 35.1 53.4 50.2 33.7 41.6 -51.9 -55.3 36.5 -6.9 -6.8 26.4	60N
11 11 30 31.9 36.3 60.0 53.1 32.7 50.0 -47.7 -48.6 43.3 -7.6 -7.6 33.3	28 28 64 19.3 30.8 42.2 45.7 32.4 32.8 -47.4 -51.3 26.6 -6.8 -6.7 21.9	31 32 169 47.6 40.5 70.4 67.6 31.2 67.5 -47.2 -54.6 59.2 -7.0 -7.4 51.5	27 28 131 23.2 35.1 43.5 53.2 35.0 35.1 -50.3 -52.1 30.5 -7.2 -7.3 23.7		115 118 524 28.5 37.7 48.3 59.0 33.8 42.6 -48.4 -52.7 36.3 -7.1 -7.2 30.3	50N
89 94 594 10.9 24.5 27.8 39.3 32.4 20.7 -52 5 -53.3 15.0 -7.3 -7.3 10.1	49 49 196 15.6 27.1 35.2 44.2 28.6 30.6 -49.4 -53.0 23.0 -7.2 -7.5 15.8	3 3 9 53.4 39.5 66.7 80.1 13.9 66.7 -45.7 -42.7 66.7 -6.5 -7.9 66.7	1 1 15 8.5 14.4 53.3 15.9 16.5 26.7 -61.1 -62.5 13.3 -8.5 -8.4 0.0		201 208 1218 11.9 25.2 28.0 42.4 31.4 22.4 -50.5 -52.2 16.6 -7.3 -7.4 11.3	40N
71 76 575 7.9 19.6 24.3 32.3 28.1 17.4 -51.7 -53.5 11.5 -7.7 -8.1 6.4					106 111 773 7.2 19.0 21.9 33.0 28.4 15.7 -50.5 -53.1 10.6 -7.7 -8.0 5.7	30N
1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -61.7 0.0 0.0 -7.5 0.0 0.0					6 6 35 1.2 4 9 11.4 10.2 10.8 2.9 -56.6 -56.0 2.9 -6.4 -7.9 0.0	20N
					2 2 8 0.0 0.0 0.0 0.0 0.0 0.0 -57.8 0.0 0.0 -7.2 0.0 0.0	10N
						0
						10S
					6 6 17 0.0 0.0 0.0 0.0 0.0 0.0 -60.4 0.0 0.0 -8.1 0.0 0.0	20S
					37 40 285 5.1 17.9 12.3 41.8 32.7 9.1 -53.1 -50.2 7.4 -7.4 -7.5 4.9	30S
						40S

APPENDIX E

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
5-10 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N					
50N	9 10 38 7.1 14.9 26.3 26.9 17.6 21.1 -43.4 -43.7 13.2 -7.2 -6.7 2.6		7 7 15 21.6 25.2 73.3 29.4 25.2 53.3 -61.8 -52.0 26.7 -5.6 -7.2 13.3	16 17 145 26.0 35.5 53.8 48.3 35.6 38.6 -57.3 -53.6 35.2 -6.9 -6.8 27.6	
40N	14 17 116 5.1 16.0 18.1 28.1 27.8 9.5 -46.0 -50.7 8.6 -8.1 -7.3 4.3	3 3 3 28.9 40.9 33.3 86.7 0.0 33.3 -50.0 -51.0 33.3 -8.8 -7.5 33.3	46 46 194 13.0 24.9 37.1 34.9 30.1 26.8 -53.6 -54.2 20.1 -7.4 -7.2 9.3	12 12 54 4.0 14.2 16.7 23.9 27.1 11.1 -53.2 -49.2 3.7 -7.3 -7.3 1.9	
30N		12 13 93 5.6 17.2 16.1 35.8 27.6 10.8 -49.5 -47.5 9.7 -8.2 -7.7 5.4	8 8 37 .1 .7 2.7 4.3 0.0 0.0 -52.8 -51.0 0.0 -7.9 -9.9 0.0	3 3 15 2.3 6.9 26.7 8.5 11.2 6.7 -54.0 -53.8 6.7 -9.4 -7.6 0.0	
20N		3 3 9 0.0 0.0 0.0 0.0 0.0 0.0 -50.1 0.0 0.0 -8.8 0.0 0.0	2 2 5 .5 .8 40.0 1.4 .6 0.0 -52.7 -55.0 0.0 -9.2 -8.6 0.0		
10N					
0					
10S					
20S				3 3 15 0.0 0.0 0.0 0.0 0.0 0.0 -54.2 0.0 0.0 -7.1 0.0 0.0	
30S				11 11 36 2.5 7.2 16.7 15.0 11.1 11.1 -54.5 -60.8 2.8 -7.4 -7.5 0.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
5-10 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
1 1 3 84.1 11.4 100.0 84.1 11.4 100.0 0.0 -53.0 100.0 0.0 -8.6 100.0	5 5 44 6.8 13.6 27.3 25.0 14.9 20.5 -56.1 -55.1 13.6 -6.1 -7.1 0.0	10 10 81 24.0 29.8 67.9 35.4 30.2 45.7 -52.4 -54.3 35.8 -6.3 -6.3 22.2	35 35 115 5.6 14.0 33.0 17.0 20.0 14.8 -51.1 -49.3 7.8 -6.9 -6.9 1.7	51 51 243 12.9 23.7 44.4 29.1 28.1 27.2 -52.5 -52.6 19.3 -6.6 -6.7 9.5		60N
22 24 167 11.7 22.9 37.7 31.1 28.0 24.6 -56.4 -57.7 17.4 -6.8 -6.8 9.6	86 87 277 17.6 28.3 44.0 39.9 30.4 34.3 -48.2 -49.5 27.4 -7.4 -7.4 14.8	41 42 205 15.9 27.2 43.4 36.7 30.6 33.2 -50.6 -50.2 22.0 -7.2 -7.2 13.7	13 13 51 11.7 23.1 35.3 33.1 28.3 27.5 -47.0 -50.5 17.6 -7.9 -7.8 11.8	194 200 898 16.8 28.1 43.5 38.5 31.3 32.3 -51.4 -51.7 24.4 -7.2 -7.1 14.9		50N
102 111 803 3.0 11.9 14.1 21.5 24.7 8.2 -53.2 -54.2 4.1 -7.1 -7.1 2.1	73 73 186 12.5 25.0 31.2 40.1 30.0 25.3 -49.7 -50.6 18.8 -7.0 -7.0 10.8	8 8 32 9.1 18.2 31.3 29.2 21.9 21.9 -56.8 -59.8 18.8 -7.8 -7.8 6.3		258 270 1368 6.1 17.7 20.5 29.8 28.7 13.7 -52.3 -53.2 9.1 -7.3 -7.1 4.6		40N
95 102 860 4.1 13.8 16.2 25.5 25.3 9.7 -53.8 -55.6 6.7 -7.8 -7.6 3.1	8 8 37 3.6 11.0 18.9 19.0 18.7 8.1 -52.7 -53.9 5.4 -8.0 -7.6 0.0	6 6 24 3.1 9.0 16.7 18.5 14.2 12.5 -59.1 -64.3 4.2 -8.6 -7.6 0.0		132 140 1066 4.1 13.7 15.9 25.5 25.2 9.4 -53.5 -55.0 6.7 -7.9 -7.6 3.0		30N
5 6 22 6.4 21.5 9.1 70.8 22.9 9.1 -57.9 -67.0 9.1 -8.2 -7.9 4.5	1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -56.0 0.0 0.0 -9.9 0.0 0.0			12 12 38 3.8 16.6 10.5 36.1 38.3 5.3 -55.3 -61.0 5.3 -8.6 -8.3 2.6		20N
						10N
						0
						10S
						20S
				3 3 15 0.0 0.0 0.0 0.0 0.0 0.0 -54.2 0.0 0.0 -7.1 0.0 0.0		30S
				11 11 36 2.5 7.2 16.7 15.0 11.1 11.1 -54.5 -60.8 2.8 -7.4 -7.5 0.0		40S

APPENDIX E

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
5-10 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N				1 1 2 17.3 17.3 50.0 34.5 0.0 50.0 -51.0 -51.0 50.0 -9.1 -6.2 0.0	
50N	13 14 67 2.9 12.3 17.9 15.9 25.3 4.5 -45.4 -44.7 3.0 -7.7 -6.7 3.0		11 11 48 6.0 18.3 14.6 41.5 28.9 10.4 -55.1 -63.7 10.4 -7.1 -8.5 8.3	23 24 170 13.6 26.1 37.1 36.8 31.4 26.5 -53.7 -53.9 18.8 -7.2 -7.3 13.5	
40N	6 6 24 1.9 4.8 25.0 7.6 7.1 8.3 -46.2 -44.5 0.0 -7.5 -7.0 0.0		14 14 53 3.8 11.4 17.0 22.4 18.7 11.3 -57.6 -51.1 7.5 -7.1 -8.1 1.9	6 6 26 5.6 13.9 15.4 36.1 12.4 15.4 -54.6 -54.3 11.5 -7.8 -7.3 0.0	
30N		1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -38.7 0.0 0.0 -9.5 0.0 0.0	1 1 4 0.0 0.0 0.0 0.0 0.0 0.0 -51.8 0.0 0.0 -8.0 0.0 0.0		
20N					
10N					
0					
10S				1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -48.0 0.0 0.0 -8.8 0.0 0.0	
20S			7 7 24 0.0 0.0 0.0 0.0 0.0 0.0 -43.8 0.0 0.0 -8.2 0.0 0.0	5 6 41 1.3 5.9 7.3 17.8 13.5 4.9 -49.0 -48.0 2.4 -8.2 -9.4 0.0	
30S			17 18 75 1.0 4.8 5.3 19.4 8.3 4.0 -47.7 -48.8 1.3 -7.2 -7.7 0.0	9 9 42 .3 1.8 4.8 7.3 4.5 2.4 -52.0 -47.5 0.0 -6.9 -8.6 0.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
5-10 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
						70N
1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -48.0 0.0 0.0 -7.9 0.0 0.0	7 7 26 7.2 14.5 34.6 20.7 18.1 23.1 -50.9 -49.0 11.5 -6.9 -7.6 3.8	1 1 4 .9 1.5 25.0 3.5 0.0 0.0 -51.0 -51.0 0.0 -5.4 -5.3 0.0	28 28 68 8.8 21.3 29.4 29.8 30.2 14.7 -48.4 -43.5 11.8 -6.8 -6.9 7.4		38 38 102 8.0 19.2 30.4 26.5 26.8 16.7 -49.1 -45.5 11.8 -6.8 -7.1 5.9	60N
22 24 160 7.1 16.4 28.8 24.7 22.2 18.8 -54.0 -58.8 13.8 -7.5 -7.4 2.5	52 54 335 7 0 18.7 22.4 31.4 28.2 14.6 -53.2 -53.4 11.0 -7.9 -7.6 6.6	16 16 57 8.7 18.9 26.3 33.0 23.6 19.3 -52.6 -48.7 14.0 -7.2 -7.8 10.5	6 6 17 2.2 7.3 11.8 18.4 12.2 5.9 -43.4 -46.5 5.9 -7.3 -6.8 0.0		143 149 854 8.0 19.7 25.8 31.0 28.1 16.9 -52.6 -54.2 12.5 -7.6 -7.4 7.1	50N
63 70 490 1.4 7.1 6.9 19.8 19.0 3.9 -52.6 -53.6 2.2 -7.9 -8.4 .8	28 29 114 4.9 16.1 13.2 37.5 27.6 9.6 -53.1 -53.2 8.8 -7.5 -7.6 4.4	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -35.0 0.0 0.0 -9.6 0.0 0.0			118 126 708 2.3 9.8 9.6 23.9 22.1 5.9 -52.9 -52.4 4.0 -7.8 -8.0 1.4	40N
34 41 424 .8 6.3 4.2 17.7 25.3 1.7 -52.8 -52.7 1.2 -7.9 -8.3 .5					36 43 431 .7 6.3 4.2 17.7 25.3 1.6 -52.7 -52.7 1.2 -7.9 -8.3 .5	30N
2 2 19 1.1 4.6 5.3 20.4 0.0 5.3 -58.5 -66.0 0.0 -9.0 -8.9 0.0					2 2 19 1.1 4.6 5.3 20.4 0.0 5.3 -58.5 -66.0 0.0 -9.0 -8.9 0.0	20N
1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -60.0 0.0 0.0 -9.7 0.0 0.0					1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -60.0 0.0 0.0 -9.7 0.0 0.0	10N
						0
					1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -48.0 0.0 0.0 -8.8 0.0 0.0	10S
					12 13 65 .8 4.7 4.6 17.8 13.5 3.1 -47.0 -48.0 1.5 -8.2 -9.4 0.0	20S
					26 27 117 .8 4.0 5.1 15.4 9.3 3.4 -49.2 -48.3 .9 -7.1 -8.0 0.0	30S
						40S

APPENDIX E

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
5-10 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N				9 9 46 4.6 15.9 15.2 30.0 29.8 8.7 -54.8 -51.9 6.5 -6.9 -6.9 6.5	
50N	19 20 117 13.5 26.0 35.0 38.4 31.1 28.2 -51.0 -47.3 20.5 -7.8 -7.7 11.1		9 9 29 8.9 15.5 31.0 28.5 14.6 27.6 -53.2 -62.4 17.2 -7.7 -8.1 3.4	28 32 249 7.9 19.7 25.7 30.9 28.3 16.5 -51.3 -52.6 11.6 -7.8 -7.9 6.8	
40N	19 20 139 4.3 17.5 6.5 66.1 25.3 6.5 -50.5 -49.6 5.8 -7.3 -7.9 5.0		27 27 112 3.9 15.0 8.9 43.3 28.4 6.3 -51.4 -56.0 6.3 -7.6 -8.9 5.4	18 18 110 14.9 30.8 27.3 54.5 36.5 21.8 -52.9 -55.7 19.1 -8.0 -8.5 15.5	
30N	2 2 20 .1 .3 5.0 1.6 0.0 0.0 -56.8 -61.0 0.0 -8.0 -9.2 0.0	4 4 15 0.0 0.0 0.0 0.0 0.0 0.0 -57.5 0.0 0.0 -7.9 0.0 0.0		4 4 19 14.6 25.7 26.3 55.5 15.8 26.3 -47.9 -49.2 26.3 -8.0 -9.5 15.8	
20N					
10N					
0					
10S					
20S			1 1 6 0.0 0.0 0.0 0.0 0.0 0.0 -50.3 0.0 0.0 -7.5 0.0 0.0	7 7 26 0.0 0.0 0.0 0.0 0.0 0.0 -54.3 0.0 0.0 -8.4 0.0 0.0	
30S	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -45.0 0.0 0.0 -9.5 0.0 0.0		4 4 24 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 -7.3 0.0 0.0	13 13 58 11.4 26.2 19.0 60.2 26.0 17.2 -50.0 -50.0 15.5 -7.6 -7.7 15.5	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
5-10 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
	1 1 1 37.6 0.0100.0 37.6 0.0100.0 0.0 -52.0100.0 0.0 -5.3 0.0	6 6 26 66.8 34.2 88.5 75.5 25.8 88.5 -51.3 -50.3 84.6 -6.5 -6.7 69.2	4 4 18 40.3 39.9 72.2 55.9 36.6 55.6 -53.8 -49.5 50.0 -6.0 -6.4 38.9		11 11 45 55.6 38.6 82.2 67.6 31.6 75.6 -52.9 -50.1 71.1 -6.2 -6.6 55.6	70N
4 4 15 7.9 16.8 26.7 29.5 20.6 20.0 -58.5 -46.0 13.3 -8.2 -6.3 6.7	4 4 30 13.9 24.9 46.7 29.7 29.3 26.7 -50.0 -52.3 16.7 -5.9 -5.5 13.3	20 20 137 16.3 30.6 30.7 53.1 33.1 25.5 -48.3 -49.3 21.9 -7.4 -6.7 17.5	72 76 484 14.9 26.9 40.9 36.5 31.3 29.8 -47 3 -48.6 21.1 -7.2 -7.4 13.2		109 113 712 14.3 27.0 37.2 38.5 32.0 27.2 -48.6 -49.0 19.9 -7.2 -7.2 13.5	60N
25 27 177 9.0 20.6 28.8 31.3 27.8 18.6 -53.6 -52.5 13.6 -7.6 -7.9 6.8	31 33 182 12.0 23.9 30.2 39.6 28.1 24.7 -52.2 -51.8 19.2 -7.5 -7.7 10.4	73 79 515 16.0 31.4 29.1 55.0 35.2 24.5 -48.1 -49.7 20.8 -7.1 -7.4 16.1	27 32 217 12.4 26.0 31.3 39.7 32.9 23.5 -50.9 -52.4 17.1 -7.1 -7.1 12.0		212 232 1486 12.5 26.3 29.5 42.3 33.0 22.7 -50.5 -51.2 17.6 -7.4 -7.6 11.5	50N
38 39 214 3.1 12.5 14.0 22.4 26.1 7.9 -51.4 -51.9 3.7 -7.8 -8.2 2.3	24 25 116 1.1 6.6 4.3 26.0 19.0 3.4 -52.0 -44.6 1.7 -8.2 -8.3 .9		1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -54.3 0.0 0.0 -7.9 0.0 0.0		127 130 694 5.0 18.0 12.1 41.2 34.3 8.8 -51.5 -53.1 6.6 -7.8 -8.4 5.2	40N
11 11 52 2.5 12.1 11.5 21.7 29.3 7.7 -54.9 -59.0 1.9 -8.4 -7.5 1.9					21 21 106 3.9 14.7 11.3 34.1 29.8 8.5 -54.7 -55.1 5.7 -8.2 -8.5 3.8	30N
						20N
						10N
						0
						10S
						20S
					8 8 32 0.0 0.0 0.0 0.0 0.0 0.0 -53.6 0.0 0.0 -8.3 0.0 0.0	30S
					18 18 83 8.0 22.5 13.3 60.2 26.0 12.0 -49.9 -50.0 10.8 -7.5 -7.7 10.8	40S

APPENDIX E

Code:

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
0-5 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N				1 1 8 0.0 0.0 0.0 0.0 0.0 0.0 -68.9 0.0 0.0 -.9 0.0 0.0	
50N	25 29 239 14.2 28.9 29.7 47.8 34.8 23.4 -55.0 -60.5 18.0 -2.4 -2.7 15.5		2 2 5 0.0 0.0 0.0 0.0 0.0 0.0 -49.6 0.0 0.0 -1.0 0.0 0.0	4 5 36 0.0 0.0 0.0 0.0 0.0 0.0 -52.6 0.0 0.0 -2.6 0.0 0.0	
40N	28 32 281 6.7 20.2 16.7 40.0 33.2 12.8 -53.3 -54.5 8.5 -2.6 -3.3 6.8		32 32 125 6.6 19.5 14.4 45.7 29.0 12.0 -50.0 -55.7 10.4 -2.5 -3.8 5.6	14 20 200 4.4 17.5 10.0 43.5 36.7 7.5 -52.2 -54.7 5.5 -2.4 -3.7 3.5	
30N	5 5 25 7.0 12.5 32.0 21.8 12.8 24.0 -48.0 -58.0 12.0 -2.8 -2.5 0.0	8 8 33 2.4 13.6 3.0 79.6 0.0 3.0 -48.2 -54.0 3.0 -3.1 -4.8 3.0	2 2 11 0.0 0.0 0.0 0.0 0.0 0.0 -51.8 0.0 0.0 -3.1 0.0 0.0	5 6 47 11.5 20.0 42.6 27.0 22.8 31.9 -50.2 -48.9 21.3 -2.8 -3.8 8.5	
20N					
10N					
0					
10S					
20S				4 4 17 0.0 0.0 0.0 0.0 0.0 0.0 -63.7 0.0 0.0 -3.1 0.0 0.0	
30S			5 5 39 .6 3.8 2.6 23.9 0.0 2.6 -53.3 -59.0 0.0 -4.0 -3.0 0.0	20 20 149 2.7 10.9 12.1 22.5 23.2 8.7 -58.0 -52.8 3.4 -3.0 -3.4 2.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
0-5 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
2 2 2 0.0 0.0 0.0 0.0 0.0 0.0 -52.0 0.0 0.0 -.7 0.0 0.0	2 2 12 4.8 12.3 16.7 29.0 14.1 16.7 -63.9 -66.0 8.3 -.7 -.3 0.0	3 3 12 43.2 33.6 75.0 57.6 25.9 75.0 -58.3 -61.1 58.3 -.9 -1.4 50.0	5 5 25 0.0 0.0 0.0 0.0 0.0 0.0 -51.4 0.0 0.0 -1.7 0.0 0.0	12 12 51 11.3 24.9 21.6 52.4 26.6 21.6 -55.1 -62.0 15.7 -1.3 -1.2 11.8		70N
1 1 11 0.0 0.0 0.0 0.0 0.0 0.0 -54.6 0.0 0.0 -.5 0.0 0.0	4 4 31 7.6 22.1 16.1 47.1 34.3 12.9 -60.7 -56.6 9.7 -1.5 -2.4 9.7	13 14 104 23.4 34.9 41.3 56.6 32.6 36.5 -54.0 -61.8 30.8 -2.2 -2.7 24.0	37 38 246 14.2 28.4 30.5 46.5 33.9 23.6 -55.9 -59.9 19.9 -2.4 -2.6 13.8	56 58 400 15.4 29.8 30.8 50.1 33.8 25.0 -56.2 -60.5 21.0 -2.2 -2.6 15.5		60N
20 20 88 10.8 23.6 28.4 37.9 30.6 20.5 -55.3 -56.3 19.3 -2.1 -3.1 8.0	57 58 298 9.7 23.3 29.5 32.8 32.9 17.4 -56.4 -60.0 13.4 -1.7 -2.7 9.1	35 36 256 23.6 34.5 42.2 55.9 31.9 35.9 -54.1 -58.7 32.0 -2.1 -2.9 24.6	26 27 175 23.1 35.0 42.9 54.0 34.5 34.9 -55.6 -60.7 29.1 -3.0 -2.6 24.0	169 177 1097 15.8 29.9 33.5 47.2 34.4 25.4 -55.2 -59.6 21.2 -2.2 -2.8 16.0		50N
92 97 760 8.5 22.4 22.1 38.7 33.3 15.5 -55.6 -58.5 11.4 -2.4 -3.3 8.6	49 56 469 15.1 29.2 30.9 48.8 33.3 24.9 -57.8 -62.6 20.9 -2.3 -2.5 15.6	1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -43.0 0.0 0.0 -4.7 0.0 0.0		216 238 1836 9.3 23.7 21.7 43.1 33.6 16.4 -54.9 -59.2 12.7 -2.4 -3.0 9.3		40N
44 45 271 4.5 17.1 9.6 47.2 32.3 7.7 -52.6 -56.2 5.9 -3.1 -3.1 4.8				64 66 387 5.2 16.9 14.2 36.7 29.3 11.1 -51.8 -53.8 7.8 -3.1 -3.3 4.7		30N
1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -59.0 0.0 0.0 -3.2 0.0 0.0				1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -59.0 0.0 0.0 -3.2 0.0 0.0		20N
						10N
						0
						10S
				4 4 17 0.0 0.0 0.0 0.0 0.0 0.0 -63.7 0.0 0.0 -3.1 0.0 0.0		20S
				25 25 188 2.3 9.9 10.1 22.6 22.6 7.4 -56.9 -53.2 2.7 -3.2 -3.3 1.6		30S
						40S

APPENDIX E

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
0-5 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N					
60N				9 10 72 12.1 23.5 27.8 43.4 25.2 25.0 -58.8 -62.1 20.8 -1.3 -1.5 12.5	
50N	8 9 80 .3 2.5 5.0 6.6 9.2 1.3 -55.8 -50.3 0.0 -1.2 -3.1 0.0		14 14 61 3.2 13.2 11.5 27.9 29.0 8.2 -60.7 -58.7 4.9 -2.2 -3.6 1.6	34 40 379 6.0 19.3 14.0 43.2 32.6 11.1 -57.3 -60.9 7.7 -2.1 -2.7 6.3	
40N	12 13 146 5.2 17.0 16.4 31.9 30.2 11.0 -53.8 -55.8 7.5 -2.4 -1.9 3.4		39 40 183 9.9 25.9 21.9 45.1 38.5 14.8 -57.4 -60.4 12.6 -2.9 -2.9 9.8	20 20 92 13.2 27.0 26.1 50.4 30.2 22.8 -53.5 -56.4 19.6 -2.7 -2.8 15.2	
30N		5 5 21 .1 .7 4.8 3.1 0.0 0.0 -52.6 -49.0 0.0 -3.5 -4.8 0.0	4 4 11 0.0 0.0 0.0 0.0 0.0 0.0 -46.4 0.0 0.0 -3.2 0.0 0.0	2 2 30 6.6 17.2 26.7 24.7 25.9 13.3 -56.2 -57.3 10.0 -3.4 -4.3 3.3	
20N		1 1 7 0.0 0.0 0.0 0.0 0.0 0.0 -58.0 0.0 0.0 -3.7 0.0 0.0			
10N					
0					
10S					
20S				2 2 7 0.0 0.0 0.0 0.0 0.0 0.0 -54.6 0.0 0.0 -3.2 0.0 0.0	
30S				8 8 42 0.0 0.0 0.0 0.0 0.0 0.0 -57.2 0.0 0.0 -2.6 0.0 0.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
0-5 KFT
BELOW TROP

165W			120W			75W			30W			15E	ZONAL MEAN			
						1	1	7	1	1	4		2	2	11	80N
						.2	.5	14.3	0.0	0.0	0.0		.1	.5	9.1	
						1.6	0.0	0.0	0.0	0.0	0.0		1.6	0.0	0.0	
						-58.7	-59.0	0.0	-56.5	0.0	0.0		-57.8	-59.0	0.0	
						-.5	-.7	0.0	-2.4	0.0	0.0		-1.3	-.7	0.0	
			2	2	13	1	1	1	3	3	28		6	6	42	70N
			0.0	0.0	0.0	0.0	0.0	0.0	24.7	37.2	35.7		16.5	32.5	23.8	
			0.0	0.0	0.0	0.0	0.0	0.0	69.2	28.0	32.1		69.2	28.0	21.4	
			-57.1	0.0	0.0	-58.0	0.0	0.0	-57.0	-57.0	32.1		-57.1	-57.0	21.4	
			-1.8	0.0	0.0	-.1	0.0	0.0	-2.5	-3.0	28.6		-2.1	-3.0	19.0	
10	10	79	16	18	174	27	28	169	42	43	287		104	109	781	60N
5.0	15.7	19.0	3.0	12.2	15.5	13.0	27.9	29.0	8.8	22.0	27.5		8.3	21.7	24.3	
26.1	27.2	8.9	19.1	25.6	5.7	44.9	35.5	22.5	31.9	31.9	17.4		34.2	32.3	15.7	
-59.3	-63.1	7.6	-59.2	-59.5	4.6	-54.9	-56.5	16.6	-56.5	-56.5	11.5		-57.4	-58.1	11.5	
-1.3	-2.2	3.8	-1.8	-3.1	2.3	-2.1	-2.9	13.0	-2.1	-2.7	8.4		-1.9	-2.6	7.9	
48	53	415	122	129	805	50	54	381	13	14	72		289	313	2193	50N
5.6	17.2	20.2	12.6	26.4	27.8	11.2	24.5	29.1	6.1	17.0	22.2		9.0	22.5	22.8	
27.9	29.1	12.5	45.4	31.7	23.1	38.3	31.9	21.8	27.3	26.7	13.9		39.5	32.0	17.3	
-57.4	-59.7	8.2	-56.7	-60.2	18.1	-55.0	-57.3	16.8	-53.4	-57.9	9.7		-56.6	-59.4	12.9	
-2.1	-3.5	4.6	-2.2	-2.7	12.5	-2.3	-3.1	10.0	-2.5	-3.2	4.2		-2.2	-3.0	8.5	
119	128	911	100	106	663	6	6	23					296	313	2018	40N
2.6	10.9	13.6	9.3	23.5	20.5	8.9	27.6	13.0					6.2	19.3	17.4	
19.1	23.6	5.9	45.5	32.2	17.0	68.0	42.5	8.7					35.7	32.8	11.5	
-57.8	-60.3	4.0	-57.0	-61.3	13.4	-52.9	-67.3	8.7					-57.0	-60.2	8.9	
-2.7	-2.9	1.8	-2.1	-2.7	9.0	-2.3	-3.2	8.7					-2.5	-2.7	5.7	
52	58	507	4	4	15	2	2	6					69	75	590	30N
4.6	16.9	12.0	0.0	0.0	0.0	.1	.3	16.7					4.3	16.2	12.0	
37.9	33.1	8.1	0.0	0.0	0.0	.8	0.0	0.0					35.4	32.7	7.6	
-56.9	-57.3	6.3	-52.9	0.0	0.0	-64.0	-66.0	0.0					-56.5	-57.3	5.9	
-2.8	-2.7	4.1	-3.0	0.0	0.0	-2.5	-4.4	0.0					-2.8	-2.9	3.7	
1	1	1											2	2	8	20N
0.0	0.0	0.0											0.0	0.0	0.0	
0.0	0.0	0.0											0.0	0.0	0.0	
-63.0	0.0	0.0											-58.6	0.0	0.0	
-4.8	0.0	0.0											-3.9	0.0	0.0	
																10N
																0
																10S
													2	2	7	20S
													0.0	0.0	0.0	
													0.0	0.0	0.0	
													-54.6	0.0	0.0	
													-3.2	0.0	0.0	
													8	8	42	30S
													0.0	0.0	0.0	
													0.0	0.0	0.0	
													-57.2	0.0	0.0	
													-2.6	0.0	0.0	
																40S

APPENDIX E

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
0-5 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N				1 1 9 3.2 9.1 11.1 29.0 0.0 11.1 -57.0 -58.0 11.1 -2.8 -4.4 0.0	
60N				7 7 41 1.3 4.4 19.5 6.5 8.0 4.9 -53.9 -59.5 0.0 -1.4 -1.5 0.0	
50N	12 12 69 1.9 11.8 4.3 43.1 37.5 2.9 -50.0 -47.7 2.9 -2.1 -3.4 1.4		9 9 35 0.0 0.0 0.0 0.0 0.0 0.0 -57.1 0.0 0.0 -3.6 0.0 0.0	28 30 243 4.4 14.2 15.6 28.0 25.1 10.7 -54 8 -57.6 6.6 -2.2 -2.8 3.7	
40N	3 3 6 0.0 0.0 0.0 0.0 0.0 0.0 -52.5 0.0 0.0 -3.8 0.0 0.0		7 7 38 6.9 17.2 21.1 32.7 23.7 13.2 -57.6 -54.5 13.2 -3.5 -4.1 5.3		
30N					
20N					
10N					
0					
10S					
20S			1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -48.7 0.0 0.0 -1.7 0.0 0.0	1 1 3 0.0 0.0 0.0 0.0 0.0 0.0 -45.3 0.0 0.0 -4.3 0.0 0.0	
30S			18 19 97 1.4 9.5 6.2 22.0 31.8 3.1 -50.7 -53.7 1.0 -2.7 -2.8 1.0	9 9 63 .2 1.3 3.2 6.3 3.9 1.6 -52.3 -53.0 0.0 -2.9 -3.6 0.0	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
0-5 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
4 6 65 1.8 8.8 15.4 11.5 19.9 3.1 -58.3 -61.1 3.1 -2.1 -1.7 1.5	2 2 22 5.1 17.0 27.3 18.6 28.4 13.6 -56.3 -56.0 4 5 -.8 -.6 4.5		2 2 14 0.0 0.0 0.0 0.0 0.0 0.0 -57.0 0.0 0.0 -2.1 0.0 0.0		9 11 110 2.3 10.6 15.5 15.0 23.3 5.5 -57.6 -59.1 3.6 -1.9 -1.4 1.8	70N
12 13 71 5.5 15.1 25.4 21.8 23.5 11.3 -55.3 -55.7 8.5 -1.9 -2.7 1.4	26 27 126 4.3 14.7 16.7 25.9 27.0 8.7 -54.9 -56.7 6.3 -1.7 -1.5 4.0	5 5 21 1.5 2.5 33.3 4.4 2.4 0.0 -54.5 -52.0 0.0 -1.3 -3.5 0.0	36 38 132 3.6 11.0 20.5 17.6 18.5 9.1 -53.6 -52.4 6.1 -2.2 -2.5 .8		86 90 391 3.8 12.5 20.7 18.4 21.9 8.4 -54.4 -54.9 5.6 -1.9 -2.3 1.8	60N
31 34 236 5.2 15.4 16.1 32.4 24.2 12.3 -55.6 -58.6 8.1 -2.6 -3.2 3.4	51 52 306 8.1 20.2 21.6 37.4 28.3 16.0 -54.2 -57.9 12.4 -2.7 -2.3 6.9	14 19 154 6.6 18.0 26.6 24.6 27.7 16.9 -53.5 -54.3 7 1 -2.3 -2.5 5.2	8 8 60 5.7 16.6 15.0 37.8 24.9 13.3 -55.7 -48.7 10.0 -1.8 -3.2 3.3		153 164 1103 5.7 16.8 17.7 32.0 27.3 12.7 -54.4 -56.6 8.3 -2.5 -2.7 4.4	50N
30 33 241 4.4 14.4 11.6 37.6 23.1 9.5 -53.7 -54.7 7.9 -3.4 -2.7 2.9	19 20 114 4.8 16.4 14.0 34.4 30.1 8.8 -53.3 -57.9 7.0 -2.1 -2.7 5.3				59 63 399 4.7 15.2 13.0 35.9 25.6 9.5 -53.9 -55.6 8.0 -3.1 -2.9 3.8	40N
5 5 18 1.0 3.5 16.7 6.3 6.4 5.6 -52.6 -51.7 0.0 -3.8 -3.3 0.0					5 5 18 1.0 3.5 16.7 6.3 6.4 5.6 -52.6 -51.7 0.0 -3.8 -3.3 0.0	30N
						20N
						10N
						0
						10S
						20S
					2 2 6 0.0 0.0 0.0 0.0 0.0 0.0 -47.0 0.0 0.0 -3.0 0.0 0.0	30S
					27 28 160 .9 7.5 5.0 18.0 28.5 2.5 -51.4 -53.5 .6 -2.8 -3.0 .6	40S

APPENDIX E

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
0-5 KFT
BELOW TROP

	15E	60E	105E	150E	165W
80N					
70N				1 1 1 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 -.6 0.0 0.0	
60N				13 14 87 5.6 19.7 11.5 48.7 35.8 8.0 -53.0 -55.9 6.9 -2.4 -3.0 5.7	
50N	14 16 116 2.5 10.8 11.2 21.9 24.6 6.0 -53.5 -55.9 3.4 -2.7 -2.7 2.6		11 11 52 0.0 0.0 0.0 0.0 0.0 0.0 -56.7 0.0 0.0 -2.6 0.0 0.0	23 26 280 1.8 10.9 6.8 26.5 32.9 2.9 -54.9 -57.4 1.8 -2.6 -3.0 1.4	
40N	16 18 144 2.7 11.7 8.3 32.2 26.4 6.3 -55.1 -58.8 4.9 -3.3 -3.6 2.1		15 15 62 0.0 0.0 0.0 0.0 0.0 0.0 -53.5 0.0 0.0 -3.1 0.0 0.0	7 7 60 0.0 0.0 0.0 0.0 0.0 0.0 -56.5 0.0 0.0 -3.0 0.0 0.0	
30N		2 2 13 1.7 5.9 7.7 22.0 0.0 7.7 -59.3 -58.0 0.0 -2.5 -2.7 0.0		2 2 8 0.0 0.0 0.0 0.0 0.0 0.0 -58.6 0.0 0.0 -2.2 0.0 0.0	
20N					
10N					
0					
10S					
20S			1 1 9 0.0 0.0 0.0 0.0 0.0 0.0 -50.7 0.0 0.0 -2.8 0.0 0.0	2 2 5 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 -1.8 0.0 0.0	
30S	1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -55.5 0.0 0.0 -4.2 0.0 0.0		2 2 28 .0 .1 3.6 .8 0.0 0.0 -53.7 -61.0 0.0 -2.2 -2.4 0.0	11 13 75 1.7 10.5 4.0 41.8 32.5 2.7 -51.2 -56.0 2.7 -2.2 -3.5 1.3	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
0-5 KFT
BELOW TROP

165W	120W	75W	30W	15E	ZONAL MEAN	
						80N
4 4 34 .7 2.9 5.9 12.2 0.0 5.9 -57.1 -57.0 0.0 -1.1 -3.1 0.0	7 7 39 21.7 31.8 53.8 40.3 33.5 41.0 -56.7 -54.9 28.2 -1.1 -2.7 17.9	9 9 68 30.2 37.4 48.5 62.2 29.9 44.1 -51.7 -55.2 41.2 -2.0 -2.1 32.4	9 9 61 7.1 17.3 19.7 36.0 22.0 18.0 -52.6 -53.2 13.1 -1.7 -3.2 6.6		30 30 203 16.5 29.9 33.5 49.3 32.3 29.1 -53.9 -54.8 23.2 -1.5 -2.5 16.3	70N
11 11 77 5.9 12.7 24.7 23.9 15.0 19.5 -58.3 -58.9 11.7 -1.8 -2.2 0.0	16 20 180 8.9 21.3 23.3 38.1 28.9 17.8 -55.7 -55.8 14.4 -1.6 -2.5 7.2	54 56 512 8.4 22.9 17.0 49.2 32.7 14.1 -50.5 -58.1 11.5 -2.1 -2.5 9.2	76 87 800 8.0 21.0 22.1 36.2 31.2 16.4 -52.4 -57.6 11.1 -2.6 -2.9 7.1		170 188 1656 8.0 21.3 20.2 39.5 31.5 15.5 -52.4 -57.5 11.4 -2.3 -2.7 7.4	60N
25 30 243 5.3 16.1 22.2 24.1 26.8 12.8 -57.1 -63.1 8.2 -2.2 -2.6 4.5	29 30 199 3.6 13.3 15.1 24.2 26.1 9.5 -54.8 -54.8 5.0 -2.1 -3.8 3.0	72 82 738 10.7 25.8 23.8 45.1 35.4 17.9 -53.1 -58.5 14.4 -2.5 -3.3 10.2	19 21 170 7.7 21.1 18.2 42.4 31.2 15.3 -54.1 -55.7 11.2 -3.2 -3.3 5.9		193 216 1798 6.7 20.3 18.0 37.3 33.8 12.4 -54.4 -58.5 9.1 -2.5 -3.2 6.1	50N
23 23 96 .7 6.6 2.1 33.3 32.2 1.0 -54.7 -52.0 1.0 -3.0 -4.3 1.0	12 13 60 1.1 6.2 3.3 31.8 12.9 3.3 -56.1 -56.5 1.7 -2.4 -1.1 0.0				73 76 422 1.2 8.0 3.8 32.3 26.0 2.8 -55.1 -57.7 2.1 -3.0 -3.4 .9	40N
2 2 3 0.0 0.0 0.0 0.0 0.0 0.0 -56.7 0.0 0.0 -2.1 0.0 0.0					6 6 24 .9 4.4 4.2 22.0 0.0 4.2 -58.7 -58.0 0.0 -2.3 -2.7 0.0	30N
						20N
						10N
						0
						10S
					3 3 14 0.0 0.0 0.0 0.0 0.0 0.0 -50.4 0.0 0.0 -2.5 0.0 0.0	20S
					14 16 105 1.2 8.9 3.8 31.6 33.3 1.9 -51.9 -57.3 1.9 -2.3 -3.2 1.0	30S
						40S

APPENDIX E

Code:			
	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
0-5 KFT
ABOVE TROP

	15E	60E	105E	150E	165W
80N					
70N				2 2 10 0.0 0.0 0.0 0.0 0.0 0.0 -48.8 0.0 0.0 4.4 0.0 0.0	
60N				9 11 118 0.0 0.0 0.0 0.0 0.0 0.0 -50.8 0.0 0.0 3.7 0.0 0.0	
50N	10 11 62 2.7 11.0 9.7 28.0 23.3 8.1 -58.6 -62.2 3.2 .7 .8 1.6		2 2 16 0.0 0.0 0.0 0.0 0.0 0.0 -54.6 0.0 0.0 3.0 0.0 0.0	7 10 75 0.0 0.0 0.0 0.0 0.0 0.0 -49.8 0.0 0.0 3.5 0.0 0.0	
40N	12 12 102 0.0 0.0 0.0 0.0 0.0 0.0 -54.7 0.0 0.0 1.5 0.0 0.0		14 14 77 0.0 0.0 0.0 0.0 0.0 0.0 -52.0 0.0 0.0 2.3 0.0 0.0	9 13 145 0.0 0.0 0.0 0.0 0.0 0.0 -50.3 0.0 0.0 2.5 0.0 0.0	
30N	2 2 12 0.0 0.0 0.0 0.0 0.0 0.0 -53.3 0.0 0.0 1.6 0.0 0.0		1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -46.0 0.0 0.0 1.1 0.0 0.0	1 1 10 0.0 0.0 0.0 0.0 0.0 0.0 -47.5 0.0 0.0 1.6 0.0 0.0	
20N					
10N					
0					
10S					
20S				1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -54.5 0.0 0.0 1.1 0.0 0.0	
30S				10 11 68 0.0 0.0 0.0 0.0 0.0 0.0 -55.4 0.0 0.0 2.3 0.0 0.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

WINTER
0-5 KFT
ABOVE TROP

165W			120W			75W			30W			15E	ZONAL MEAN		
						1	1	6					1	1	6
						0.0	0.0	0.0					0.0	0.0	0.0
						0.0	0.0	0.0					0.0	0.0	0.0
						-54.5	0.0	0.0					-54.5	0.0	0.0
						2.7	0.0	0.0					2.7	0.0	0.0
80N															
7	10	93	10	11	94	8	10	120	5	5	48		32	38	365
0.0	0.0	0.0	1.2	8.2	2.1	1.4	7.5	5.0	.4	2.5	2.1		.8	6.1	2.5
0.0	0.0	0.0	54.7	14.3	2.1	27.8	19.9	5.0	17.6	0.0	2.1		32.6	21.4	2.5
-55.4	0.0	0.0	-59.5	-69.5	2.1	-55.2	-60.3	.8	-54.4	-56.0	0.0		-56.1	-61.9	.8
3.5	0.0	0.0	2.5	2.3	1.1	2.2	.6	.8	1.8	.6	0.0		2.6	.9	.5
70N															
9	12	123	12	18	189	20	22	194	30	35	312		80	98	936
0.0	0.0	0.0	.2	2.2	.5	8.7	26.1	12.9	.5	4.3	3.2		2.0	12.6	3.8
0.0	0.0	0.0	30.6	0.0	.5	67.7	35.8	10.8	15.4	18.6	1.3		52.1	39.3	2.8
-51.0	0.0	0.0	-55.3	-55.0	.5	-52.5	-60.6	9.8	-53.2	-60.7	1.0		-52.9	-60.5	2.5
3.4	0.0	0.0	3.0	0.0	0.0	2.4	.7	9.3	2.3	1.1	.3		2.8	.8	2.0
60N															
22	23	165	65	72	592	28	37	332	20	22	157		154	177	1399
2.5	12.5	7.3	1.6	9.9	4.6	1.1	8.7	2.4	.6	6.5	1.9		1 4	9.4	4.0
34.0	32.8	4.8	35.2	30.9	3.2	44.9	34.4	1.8	33.7	33.3	1.3		35.5	31.6	2.9
-54.2	-63.2	3.6	-54.4	-63.7	2.5	-50.7	-60.3	1.5	-53.9	-61.0	.6		-53.3	-62.8	2.1
2.3	1.7	1.8	2.5	1.5	1.4	2.2	1.4	1.2	2.0	.7	.6		2.3	1.4	1.2
50N															
42	46	368	37	43	357								114	128	1049
.7	6.0	1.9	.2	1.9	1.1								.3	3.7	1.0
36.6	23.4	1.6	14.3	10.8	.8								28.5	22.5	.9
-55.1	-66.6	1.1	-56.2	-62.3	.3								-54.5	-65.0	.5
2.2	2.0	.5	2.3	.2	0.0								2.2	1.3	.2
40N															
11	11	76											15	15	100
0.0	0.0	0.0											0.0	0.0	0.0
0.0	0.0	0.0											0.0	0.0	0.0
-52.6	0.0	0.0											-52.0	0.0	0.0
1.6	0.0	0.0											1.6	0.0	0.0
30N															
20N															
10N															
0															
10S															
20S															
													1	1	2
													0.0	0.0	0.0
													0.0	0.0	0.0
													-54.5	0.0	0.0
													1.1	0.0	0.0
30S															
													10	11	68
													0.0	0.0	0.0
													0.0	0.0	0.0
													-55.4	0.0	0.0
													2.3	0.0	0.0
40S															

APPENDIX E

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
0-5 KFT
ABOVE TROP

	15E	60E	105E	150E	165W
80N					
70N				2 0.0 0.0 -54.3 3.3 2 0.0 0.0 0.0 0.0 4 0.0 0.0 0.0 0.0	
60N				34 2.1 47.9 -54.1 3.0 45 12.0 33.8 -62.8 1.0 487 4.3 3.3 2.9 2.1	
50N	9 5.1 34.2 -56.0 1.6 9 16.6 29.1 -56.8 1.1 60 15.0 10.0 6.7 6.7		16 0.0 0.0 -55.1 2.6 16 0.0 0.0 0.0 0.0 91 0.0 0.0 0.0 0.0	41 1.9 41.0 -55.3 2.5 46 11.4 34.3 -61.1 2.2 469 4.7 3.4 2.6 2.1	
40N	6 .7 9.7 -56.7 1.1 7 3.1 7.3 -57.0 .7 57 7.0 1.8 0.0 0.0		23 .9 19.3 -55.6 2.7 23 5.2 14.5 -61.4 1.8 103 4.9 2.9 1.9 0.0	11 3.1 47.5 -52.1 2.0 11 15.5 39.2 -56.8 1.2 76 6.6 3.9 3.9 3.9	
30N			1 0.0 0.0 -45.8 .6 1 0.0 0.0 0.0 0.0 5 0.0 0.0 0.0 0.0		
20N					
10N					
0					
10S					
20S				1 0.0 0.0 -54.2 1.5 1 0.0 0.0 0.0 0.0 5 0.0 0.0 0.0 0.0	
30S				9 0.0 0.0 -58.6 2.1 10 0.0 0.0 0.0 0.0 72 0.0 0.0 0.0 0.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SPRING
0-5 KFT
ABOVE TROP

165W			120W			75W			30W			15E	ZONAL MEAN		
			1	1	8	1	1	2	1	1	2		3	3	12
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0.0	0 0
			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0	0 0	0.0
			-58.8	0.0	0.0	-60.0	0.0	0.0	-59.5	0.0	0 0		-59.1	0.0	0.0
			2.4	0.0	0.0	0.0	0 0	0.0	.3	0.0	0.0		1.6	0.0	0.0
10	13	110	13	13	87	6	6	68	3	3	20		34	37	289
0.0	0.0	0.0	.0	.1	3.4	.0	.2	5.9	0.0	0.0	0.0		.0	.1	2.4
0.0	0.0	0.0	.4	0.0	0.0	.7	.5	0.0	0.0	0.0	0.0		.6	.4	0.0
-51.4	0.0	0.0	-53.7	-53.3	0.0	-52.7	-57.8	0.0	-51.9	0.0	0.0		-52.4	-55.9	0.0
3.2	0.0	0.0	2.7	2.9	0.0	3.0	2.8	0.0	3.1	0.0	0.0		3.0	2.8	0.0
25	27	283	23	26	266	30	30	198	39	42	382		151	170	1616
.0	.2	.7	.0	.1	1.1	3.1	15.2	7.6	1.5	8.6	5.8		1.4	9.5	3.9
1.8	1.4	0.0	.5	.2	0.0	40.8	39.0	4.5	25.9	25.7	3.7		34.8	34.0	2.4
-52.8	-61.5	0.0	-55.7	-56.0	0.0	-32.6	-62.6	3.5	-52.5	-62.7	2.1		-53.6	-62.4	1.8
2.9	1.4	0.0	2.6	1.5	0.0	2.4	1.9	3.0	2.5	1.2	1.0		2.7	1.3	1.2
48	57	531	97	103	754	33	34	202	13	15	107		257	280	2214
.5	5.1	1.9	2.4	11.9	6.4	1.3	8.2	5.9	.9	8.3	1.9		1.6	10.0	4.7
25.1	27.5	.9	37.5	29.9	4.9	21.4	26.5	3.0	50.6	34.5	1.9		35.1	31 1	3.3
-56.3	-62.3	.8	-55.4	-62.8	3.4	-51.9	-54.5	1.5	-51.7	-59.0	.9		-55.1	-60.8	2.3
2.1	1.6	.4	2.2	1.6	2.1	2.3	2.0	1.0	2.6	1.6	.9		2.3	1.7	1.6
60	62	393	84	97	743	5	5	26					189	205	1398
.9	7.4	3.8	2.0	12.2	4.0	.0	.1	3.8					1.6	10.5	4.3
22.6	30.8	1.5	49.2	37.2	3.0	.4	0.0	0.0					36.4	36.2	2.5
-55.7	-61.9	1.0	-56.6	-62.9	2.6	-56.7	-38.0	0.0					-56.0	-61.2	2.0
2.0	1.0	1.0	2.2	1.1	2.2	2.2	2.0	0.0					2.1	1.1	1.6
13	15	83	1	1	1	1	1	4					16	18	93
1.5	7.9	6.0	0.0	0.0	0.0	0.0	0.0	0.0					1.3	7.4	5.4
24.2	21.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0					24.2	21.8	3.2
-58.0	-61.8	1.2	-59.0	0.0	0.0	-63.5	0.0	0.0					-57.6	-61.8	1.1
1.3	.4	1.2	.2	0.0	0.0	.7	0.0	0.0					1.3	.4	1.1
													1	1	5
													0.0	0.0	0.0
													0.0	0.0	0.0
													-54.2	0.0	0.0
													1.5	0.0	0.0
													9	10	72
													0.0	0.0	0.0
													0.0	0.0	0.0
													-58.6	0.0	0.0
													2.1	0.0	0.0

80N
70N
60N
50N
40N
30N
20N
10N
0
10S
20S
30S
40S

APPENDIX E

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

SUMMER
0-5 KFT
ABOVE TROP

	15E	60E	105E	150E	165W
80N					
70N				5 5 25 0.0 0.0 0.0 0.0 0.0 0.0 -51.6 0.0 0.0 2.4 0.0 0.0	
60N				18 24 263 .7 4.4 4.2 16.8 14.0 2.3 -51.1 -59.7 .8 2.9 1.1 0.0	
50N	6 6 35 .7 3.1 5.7 12.9 3.5 2.9 -50.3 -54.0 0.0 1.7 .5 0.0		2 2 12 0.0 0.0 0.0 0.0 0.0 0.0 -54.9 0.0 0.0 2.0 0.0 0.0	24 24 143 .0 .4 .7 4.3 0.0 0.0 -53.8 -64.0 0.0 1.9 0.0 0.0	
40N					
30N					
20N					
10N					
0					
10S					
20S			1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -50.0 0.0 0.0 .7 0.0 0.0		
30S			11 12 95 0.0 0.0 0.0 0.0 0.0 0.0 -48.6 0.0 0.0 1.9 0.0 0.0	3 3 28 .0 .1 3.6 .4 0.0 0.0 -51.1 -54.0 0.0 3.0 4.7 0.0	
40S					

APPENDIX E

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC $\geq$ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC $\geq$ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC $\geq$ 50 %)

SUMMER
0-5 KFT
ABOVE TROP

165W			120W			75W			30W			15E	ZONAL MEAN		
			1	1	1	1	1	3	1	1	7		3	3	11
			0.0	0.0	0.0	0.0	0.0	0.0	.1	.1	14.3		.0	.1	9.1
			0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	0.0		.4	0.0	0.0
			-48.0	0.0	0.0	-44.0	0.0	0.0	-44.5	-45.0	0.0		-44.7	-45.0	0.0
			5.0	0.0	0.0	4.8	0.0	0.0	4.6	4.7	0.0		4.7	4.7	0.0
10	12	144	27	29	243	18	18	151	20	20	187		80	84	750
0.0	0.0	0.0	.0	.1	.8	0.0	0.0	0.0	.0	.3	.5		.0	.1	.4
0.0	0.0	0.0	1.2	.8	0.0	0.0	0.0	0.0	3.5	0.0	0.0		2.0	1.3	0.0
-53.1	0.0	0.0	-49.5	-53.0	0.0	-50.2	0.0	0.0	-51.1	-65.0	0.0		-50.8	-57.0	0.0
2.3	0.0	0.0	3.1	2.0	0.0	3.9	0.0	0.0	3.3	1.8	0.0		3.2	1.9	0.0
14	19	176	38	46	437	14	15	134	37	41	331		121	145	1341
.2	1.5	1.7	.3	4.3	1.6	.3	2.3	3.0	.1	.7	2.1		.3	3.3	2.4
11.0	3.9	1.1	21 6	26.8	.7	10.3	8.8	1.5	3.8	3.2	.3		13.6	16.7	1.0
-50.5	-58.3	0.0	-51.4	-58.3	.5	-53.2	-60.8	0.0	-53.6	-59.1	0.0		-51.9	-59.3	.3
2.8	.2	0.0	2.7	.8	.2	2.7	1.5	0.0	2.9	1.8	0.0		2.8	1.2	.1
21	21	127	36	38	238	11	11	105	8	8	39		108	110	699
2.0	12.1	7.1	1.5	8.3	5.5	1.3	6.7	7.6	1.1	4.9	7.7		1.2	7.7	5.2
28.1	36.4	3.9	27.7	23.4	3.8	17.2	17.8	3.8	14.4	10.7	5.1		22.9	25.6	3.0
-54.2	-63.2	1.6	-54.5	-60.2	2.9	-53.5	-55.9	1.9	-53.5	-54.0	2.6		-53.9	-59.2	1.7
1.9	2.6	1.6	2.0	.9	.8	2.6	1.0	1.0	1.9	.4	0.0		2.0	1.3	.7
10	10	54	10	10	63								20	20	117
.9	6.7	1.9	.1	.7	1.6								.5	4.6	1.7
49.8	0.0	1.9	5.5	0.0	0.0								27.6	22.2	.9
-54.5	-55.0	1.9	-51.0	-56.0	0.0								-52.6	-55.5	.9
2.4	.3	0.0	2.2	1.1	0.0								2.3	.7	0.0
													1	1	2
													0.0	0.0	0.0
													0.0	0.0	0.0
													-50.0	0.0	0.0
													.7	0.0	0.0
													14	15	123
													.0	.0	.8
													.4	0.0	0.0
													-49.2	-54.0	0.0
													2.2	4.7	0.0

60N
70N
60N
50N
40N
30N
20N
10N
0
10S
20S
30S
40S

APPENDIX E

Code:	$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
	$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
	TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
	$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
	$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
0-5 KFT
ABOVE TROP

	15E	60E	105E	150E	165W
80N					
70N				3 3 5 0.0 0.0 0.0 0.0 0.0 0.0 -49.4 0.0 0.0 4.5 0.0 0.0	
60N				16 20 246 .0 .0 .4 .4 0.0 0.0 -53 7 -57.0 0.0 2.8 1.1 0.0	
50N	5 7 72 0.0 0.0 0.0 0.0 0.0 0.0 -56.7 0.0 0.0 2.3 0.0 0.0		10 10 47 0.0 0.0 0.0 0.0 0.0 0.0 -53.2 0.0 0.0 1.9 0.0 0.0	20 21 194 .0 .2 .5 2.7 0.0 0.0 -53.7 -51.0 0.0 2.2 1.0 0.0	
40N	5 5 50 0.0 0.0 0.0 0.0 0.0 0.0 -54.0 0.0 0.0 1.9 0.0 0.0		3 3 7 0.0 0.0 0.0 0.0 0.0 0.0 -49.9 0.0 0.0 .7 0.0 0.0	2 2 5 0.0 0.0 0.0 0.0 0.0 0.0 -57.4 0.0 0.0 1.2 0.0 0.0	
30N				1 1 2 0.0 0.0 0.0 0.0 0.0 0.0 -60.0 0.0 0.0 .3 0.0 0.0	
20N					
10N					
0					
10S					
20S				2 2 4 0.0 0.0 0.0 0.0 0.0 0.0 -48.3 0.0 0.0 1.6 0.0 0.0	
30S				8 8 57 .0 .1 5.3 .5 .2 0.0 -51.2 -52.0 0.0 3.0 3.1 0.0	
40S					

$N_{Flights}$	$N_{Indep.\ obs.}$	$N_{Total\ obs.}$
$\overline{TIC}$ %	$SIGMA_{TIC}$	P(TIC > 0 %)
TICIV %	$SIGMA_{TICIV}$	P(TIC ≥ 10 %)
$\overline{T}_{CLEAR}$	$\overline{T}_{CLOUD}$	P(TIC ≥ 25 %)
$\overline{\Delta Z}_{CLEAR}$	$\overline{\Delta Z}_{CLOUD}$	P(TIC ≥ 50 %)

AUTUMN
0-5 KFT
ABOVE TROP

165W			120W			75W			30W			15E	ZONAL MEAN		
1	1	2	1	1	4	4	4	33					6	6	39
0.0	0.0	0.0	0.0	0.0	0.0	.0	.1	3.0					.0	.1	2.6
0.0	0.0	0.0	0.0	0.0	0.0	.4	0.0	0.0					.4	0.0	0.0
-52.0	0.0	0.0	-63.5	0.0	0.0	-57.4	-62.0	0.0					-57.7	-62.0	0.0
4.3	0.0	0.0	4.7	0.0	0.0	2.9	.6	0.0					3.2	.6	0.0
10	15	168	18	18	160	12	13	107	10	13	98		53	62	538
.3	2.6	1.2	.3	2.6	1.3	2.2	12.6	4.7	1.9	7.6	7.1		.9	6.9	3.0
23.1	6.3	1.2	20.0	11.4	.6	47.7	35.1	2.8	26.1	13.3	6.1		31.7	24.6	2.2
-53.6	-58.0	.6	-54.5	-56.5	.6	-51.3	-57.4	2.8	-51.7	-58.1	4.1		-53.0	-57.7	1.7
2.7	.3	0.0	3.2	.4	0.0	2.3	1.2	2.8	2.6	1.2	0.0		2.8	1.0	.6
16	17	154	18	21	197	50	61	576	52	54	446		152	173	1619
.1	1.1	1.3	.6	4.9	2.5	1.0	8.0	1.9	.5	3.8	2.7		.6	5.5	1.9
9.2	2.9	.6	24.5	19.1	1.5	50.4	29.2	1.7	18.9	13.6	1.6		29.8	26.3	1.3
-51.7	-49.5	0.0	-54.2	-61.8	1.5	-50.4	-60.1	1.4	-52.2	-59.2	1.1		-52.0	-59.2	1.0
2.7	.3	0.0	2.4	1.5	0.0	2.3	.7	1.0	2.2	.5	0.0		2.4	.7	.4
26	32	301	20	21	167	46	51	421	5	5	28		132	147	1230
.5	4.1	4.0	1.5	9.2	4.2	.8	6.0	2.4	.4	2.1	3.6		.6	5.3	2.5
11.7	17.3	1.0	36.2	27.4	3.6	33.5	20.8	2.1	11.4	0.0	3.6		23.9	23.8	1.5
-56.3	-62.5	.7	-54.7	-62.3	2.4	-52.8	-63.3	1.4	-57.0	-62.0	0.0		-54.4	-62.3	1.0
1.8	.8	.3	2.2	2.4	1.2	2.2	.4	.7	1.7	.4	0.0		2.1	1.0	.5
8	8	40	8	8	42				1	1	2		27	27	146
0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0		0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0				0.0	0.0	0.0		0.0	0.0	0.0
-58.9	0.0	0.0	-51.5	0.0	0.0				-59.0	0.0	0.0		-54.6	0.0	0.0
1.3	0.0	0.0	1.3	0.0	0.0				.8	0.0	0.0		1.5	0.0	0.0
1	1	2											2	2	4
0.0	0.0	0.0											0.0	0.0	0.0
0.0	0.0	0.0											0.0	0.0	0.0
-62.5	0.0	0.0											-61.3	0.0	0.0
.6	0.0	0.0											.4	0.0	0.0
													2	2	4
													0.0	0.0	0.0
													0.0	0.0	0.0
													-48.3	0.0	0.0
													1.6	0.0	0.0
													8	8	57
													.0	.1	5.3
													.5	.2	0.0
													-51.2	-52.0	0.0
													3.0	3.1	0.0

80N
70N
60N
50N
40N
30N
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10N
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10S
20S
30S
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15. *Supplementary Notes*

William H. Jasperson and Gregory D. Nastrom: Control Data Corp., Minneapolis, MN.
Richard E. Davis: Langley Research Center, Hampton, VA.
James D. Holdeman: Lewis Research Center, Cleveland, OH.

16. Abstract

Summary studies are presented for the entire cloud observation archive from the NASA Global Atmospheric Sampling Program (GASP). Studies are also presented for GASP particle-concentration data gathered concurrently with the cloud observations. Cloud encounters are shown on about 15 percent of the data samples overall, but the probability of cloud encounter is shown to vary significantly with altitude, latitude, and distance from the tropopause. Several meteorological circulation features are apparent in the latitudinal distribution of cloud cover, and the cloud-encounter statistics are shown to be consistent with the classical mid-latitude cyclone model. Observations of clouds spaced more closely than 90 minutes are shown to be statistically dependent. The statistics for cloud and particle encounter are utilized to estimate the frequency of cloud encounter on long-range airline routes, and to assess the probability and extent of laminar flow loss due to cloud or particle encounter by aircraft utilizing laminar flow control (LFC). It is shown that the probability of extended cloud encounter is too low, of itself, to make LFC impractical. This report is presented in two volumes. Volume I contains the narrative, analysis, and conclusions. Volume II contains five supporting appendixes.

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