

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
(Technical and Operational Description)

S1. GENERAL INFORMATION Complete for all satellite applications.

a. Space Station or Satellite Network Name: NSS-7		e. Estimated Date of Placement into Service: 5/30/2002		i. Will the space station(s) operate on a Common Carrier Basis: N	
b. Construction Commencement Date:		f. Estimated Lifetime of Satellite(s): 12 Years		j. Number of transponders offered on a common carrier basis: 0	
c. Construction Completion Date:		g. Total Number of Transponders: 72		k. Total Common Carrier Transponder Bandwidth: 0 MHz	
d1. Est Launch Date Begin: 4/16/2002	d2. Est Launch Date End: 4/16/2002	h. Total Transponder Bandwidth (no. transponders x Bandwidth) 4072 MHz		l. Orbit Type: Mark all boxes that apply: ☒ GSO ☐ NGSO	

S2. OPERATING FREQUENCY BANDS Identify the frequency range and transmit/receive mode for all frequency bands in which this station will oper
Also indicate the nature of service(s) for each frequency band.

Frequency Band Limits				e. T/R Mode	f. Nature of Service(s): List all that apply to this band
Lower Frequency (. Hz)		Upper Frequency (. Hz)			
a. Numeric	b. Unit (K/M/G)	c. Numeric	d. Unit (K/M/G)		
3625	M	4200	M	T	Fixed Satellite Service
5850	M	6425	M	R	Fixed Satellite Service
10.95	G	11.2	G	T	Fixed Satellite Service
11.45	G	11.7	G	T	Fixed Satellite Service
11.7	G	12.2	G	T	Fixed Satellite Service
12.5	G	12.75	G	T	Fixed Satellite Service
14	G	14.5	G	R	Fixed Satellite Service
3625	M	4200	M	T	Direct to Home in the Fixed Fixed Satellite Service
5850	M	6425	M	R	Direct to Home in the Fixed Fixed Satellite Service
10.95	G	11.2	G	T	Direct to Home in the Fixed Fixed Satellite Service
11.45	G	11.7	G	T	Direct to Home in the Fixed Fixed Satellite Service
11.7	G	12.2	G	T	Direct to Home in the Fixed Fixed Satellite Service
12.5	G	12.75	G	T	Direct to Home in the Fixed Fixed Satellite Service
14	G	14.5	G	R	Direct to Home in the Fixed Fixed Satellite Service

S3. ORBITAL INFORMATION FOR GEOSTATIONARY SATELLITES ONLY:

a. Nominal Orbital Longitude (Degrees E/W): 20 W		b. Alternate Orbital Longitude (Degrees E/W):		c. Reason for orbital location selection: Replacement of NSS-5 satellite
Longitudinal Tolerance or E/W Station-Keeping: d. Toward West: 0.05 Degrees		f. Inclination Excursion or N/S Station-Keeping Tolerance: Range of orbital are in which adequate service can be provided (Optional): Degrees E/W		

e. Toward East:	0.05 Degrees	0.05 Degrees	g. westernmost: h. Easternmost:	
i. Reason for service are selection (Optional):				

**FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)**

Page 2: NGSO Orbits

S4. ORBITAL INFORMATION FOR NON-GEOSTATIONARY SATELLITES ONLY

S4a. Total Number of Satellites in Network or System:

S4c. Celestial Reference Body (Earth, Sun, Moon, etc.):

S4b. Total Number of Orbital Planes in Network or System:

S4d. Orbit Epoch Date:

For each Orbital Plane Provide:

(e) Orbital Plane No.	(f) No. of Satellites in Plane	(g) Inclination Angle (degrees)	(h) Orbital Period (Seconds)	(i) Apogee (km)	(j) Perigee (km)	(k) Right Ascension of the Ascending Node (Deg.)	(l) Argument of Perigee (Degrees)	Active Service Arc Range (Degrees)		
								(m) Begin Angle	(n) End Angle	(o) Other

S5. INITIAL SATELLITE PHASE ANGLE For each satellite in each orbital plane, provide the initial phase angle.

(a) Orbital Plane No.	(b) Satellite Number	(c) Initial Phase Angle (Degrees)
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NO NGSO DATA FILED

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SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)**

Page 3: Service Areas

S6. SERVICE AREA CHARACTERISTICS for each service area provide:

(a) Service Area ID	(b) Type of Associated Station (Earth or Space)	(c) Service Area Diagram File Name (GXT File)	(d) Service Area Description. Provide list of geographic areas (state postal codes or ITU 3-ltr codes), satellites or Figure No. of Service Area Diagram.
EH	S	Service Area EH.gxt	Europe, Africa and Middle East
WH	S	Service Area WH.gxt	North and South America
NEZ	S	Service Area NEZ.gxt	Europe, North Africa, Middle East
SEZ	S	Service Area SEZ.gxt	Sub-Saharan Africa
GLB	S	Service Area GLB.gxt	Global
EU	S	Service Area EU.gxt	Europe, Middle East, Northern Africa and part of Russia
NA	S	Service Area NA.gxt	North America
SC	S	Service Area SC.gxt	Latin America
CA	S	Service Area CA.gxt	Central America and northern part of Latin America
SA	S	Service Area SA.gxt	Southern Africa
WA	S	Service Area WA.gxt	Western Africa
EN	S	Service Area EN.gxt	Combined uplink beam covering Europe and North America

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

Page 4: Antenna Beams

S7. SPACE STATION ANTENNA BEAM CHARACTERISTICS For each antenna beam provide:

(a) Beam ID	(b) T/R Mode	Isotropic Antenna Gain		(e) Pointing Error (Degrees)	(f) Rotational Error (Degrees)	(g) Min. Cross- Polar Iso- lation (dB)	(h) Polar- ization Switch- able? (Y/N)	(i) Polarization Alignment Rel. Equatorial Plane (Degrees)	(j) Service Area ID	Transmit			Receive				
		(c) Peak (dBi)	(d) Edge (dBi)							(k) Input Losses (dB)	(l) Effective Output Power (W)	(m) Max. EIRP (dBW)	(n) System Noise Temp (k)	(o) G/T Max. Gain Pt. (db/K)	(p) Min. Saturation Flux Density (dBW/m2)	Input Attenuator (dB)	
																(q) Max. Value	(r) Step Size
EHA	R	25.9	23	0.1	0.25	26	N		EH				624	-2.1	-96	15	1
EHB	R	25.9	23	0.1	0.25	26	N		EH				624	-2.1	-96	15	1
WHA	R	25.8	23.1	0.1	0.25	25.8	N		WH				641	-2.3	-96	15	1
WHB	R	25.8	23.1	0.1	0.25	25.8	N		WH				641	-2.3	-96	15	1
NEA	R	31.8	28	0.1	0.25	30	N		NEZ				632	3.8	-102	15	1
SEA	R	29.7	27	0.1	0.25	30	N		SEZ				632	1.7	-100	15	1
GBA	R	21.2	18.2	0.1	0.25	30	N		GLB				550	-6.3	-94	15	1
GBB	R	21.2	18.2	0.1	0.25	30	N		GLB				550	-6.3	-94	15	1
NAA	R	34.4	29.1	0.1	0.25	28	N	0	NA				644	6.3	-97	15	1
NAB	R	34.4	29.1	0.1	0.25	28	N	90	NA				644	6.3	-97	15	1
EUA	R	34.7	28.1	0.1	0.25	27	N	0	EU				651	6.6	-98	15	1
EUB	R	34.7	28.1	0.1	0.25	27	N	90	EU				651	6.6	-98	15	1
ENA	R	34.8	28.2	0.1	0.25	27	N	90	EN				1288	3.7	-95	15	1
CAA	R	35.1	28	0.1	0.25	32	N	0	CA				640	7.1	-98	15	1
WAA	R	35.7	28	0.1	0.25	32	N	0	WA				640	7.7	-99	15	1
SCA	R	33.9	28.4	0.1	0.25	32	N	90	SC				693	5.5	-97	15	1
SAA	R	35.9	29.4	0.1	0.25	32	N	90	SA				696	7.5	-99	15	1
CMD	R	11	10	0.1	0.25		N	90	GLB						-89		
EHA	T	25.4	22.4	0.1	0.25	29.3	N		EH	1.7	28.9	40					
EHB	T	25.4	22.4	0.1	0.25	29.3	N		EH	1.7	28.9	40					
WHA	T	25.9	22.8	0.1	0.25	28.9	N		WH	1.7	26.2	40.1					
WHB	T	25.9	22.8	0.1	0.25	28.9	N		WH	1.7	26.2	40.1					
NEA	T	31.2	26.4	0.1	0.25	30	N		NEZ	1.7	26.7	45.5					
SEA	T	29.9	24.6	0.1	0.25	30	N		SEZ	1.7	27.2	44.3					
GBA	T	20.8	17.8	0.1	0.25	30	N		GLB	1.7	33.9	36.1					
GBB	T	20.8	17.8	0.1	0.25	30	N		GLB	1.7	33.9	36.1					
NAB	T	33.9	30.1	0.1	0.25	29	N	0	NA	1.7	61.2	51.8					
EUB	T	33.5	27.7	0.1	0.25	29	N	0	EU	1.7	67.3	51.8					
CAA	T	33.1	28.4	0.1	0.25	32	N	90	CA	1.7	57.7	50.7					

WAA	T	33.6	30.4	0.1	0.25	32	N	90	WA	1.7	56.9	51.2					
SCA	T	33.1	25.5	0.1	0.25	32	N	0	SC	1.7	55.6	50.6					
SAA	T	33.6	31.3	0.1	0.25	32	N	0	SA	1.7	58.1	51.3					
TLM	T	11	10	0.1	0.25		N	0	GLB	3	0.6	9					
BNC	T	11	10	0.1	0.25		N	90	GLB	3	0.4	8					
BNK	T	11	10	0.1	0.25		N	0	GLB	3	0.6	9					

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

Page 5: Beam Diagrams

S8. ANTENNA BEAM DIAGRAMS For each beam pattern provide the reference to the graphic image and numerical data:
Also provide the power flux density levels in each beam that result from the emission with the highest power flux density.

(a) Beam ID	(b) T/R Mode	(c) Co-or Cross Polar Mode ("C" or" X")	(d) GSO Ref. Orbital Longitude (Deg. E/W)	(e) NGSO Antenna Gain Contour Description (Figure/Table/ Exhibit)	(f) GSO Antenna Gain Contour Data (GXT File)	Max. Power Flux Density (dBW/M2/Hz)				
						At Angle of Arrival above horizontal (for emission with highest PFD)				
						(g) 5 Deg	(h) 10 Deg	(i) 15 Deg	(j) 20 Deg	(k) 25 Deg
EHA	R	C	-20		EH Rx.gxt					
EHB	R	C	-20		EH Rx.gxt					
WHA	R	C	-20		WH Rx.gxt					
WHB	R	C	-20		WH Rx.gxt					
NEA	R	C	-20		NEZ Rx.gxt					
SEA	R	C	-20		SEZ Rx.gxt					
GBA	R	C	-20		GLB Rx.gxt					
GBB	R	C	-20		GLB Rx.gxt					
CMD	R	C	-20		CMD Horn.gxt					
NAA	R	C	-20		NA Rx.gxt					
NAB	R	C	-20		NA Rx.gxt					
EUA	R	C	-20		EU Rx.gxt					
EUB	R	C	-20		EU Rx.gxt					
ENA	R	C	-20		EN Rx.gxt					
CAA	R	C	-20		CA Rx.gxt					
WAA	R	C	-20		WA Rx.gxt					
SCA	R	C	-20		SC Rx.gxt					
SAA	R	C	-20		SA Rx.gxt					
EHA	T	C	-20		EH Tx.gxt	-166.2	-165.1	-164.7	-164.3	-163.7
EHB	T	C	-20		EH Tx.gxt	-166.2	-165.1	-164.7	-164.3	-163.7
WHA	T	C	-20		WH Tx.gxt	-166.2	-165.1	-164.7	-164.3	-163.7
WHB	T	C	-20		WH Tx.gxt	-166.2	-165.1	-164.7	-164.3	-163.7
NEA	T	C	-20		NEZ Tx.gxt	-166.1	-166	-164.8	-164.2	-163.3
SEA	T	C	-20		SEZ Tx.gxt	-166.1	-166	-164.8	-164.2	-163.3
GBA	T	C	-20		GLB Tx.gxt	-170.7	-170.5	-170.1	-169.8	-169.5
GBB	T	C	-20		GLB Tx.gxt	-170.7	-170.5	-170.1	-169.8	-169.5
NAB	T	C	-20		NA Tx.gxt	-154.9	-154.6	-153.8	-153.5	-153
EUB	T	C	-20		EU Tx.gxt	-155.1	-154.5	-153.8	-153.9	-154.6

CAA	T	C	-20		CA Tx.gxt	-153.8	-153.5	-153.7	-153.8	-154.2
WAA	T	C	-20		WA Tx.gxt	-170.3	-170.2	-169	-167.9	-165.8
SCA	T	C	-20		SC Tx.gxt	-156	-155.9	-155.7	-155.1	-154.4
SAA	T	C	-20		SA Tx.gxt	-155.5	-155.2	-154.7	-154.1	-153.8
TLM	T	C	-20		TLM Horn.gxt	-176.3	-176.2	-176.9	-176.7	-176.6
BNC	T	C	-20		BNC Horn.gxt	-164.3	-164.2	-163.9	-163.7	-163.6
BNK	T	C	-20		BNK Horn.gxt	-163.3	-163.2	-162.9	-162.7	-162.6

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

Page 6: Channels and Transponders

S9. SPACE STATION CHANNELS For each frequency channel provide: S10. SPACE STATION TRANSPONDERS For each transponder provide:

(a) Channel No.	(B) Assigned Bandwidth (kHz)	(c) T/R Mode	(d) Center Frequency (MHz)	(e) Polarization (H, V, L, R)	(f) TTC or Comm Channel (T or C)
SEAUD	54000	R	6096	R	C
SEAUE	54000	R	6156	R	C
SEAUF	54000	R	6216	R	C
SEAUG	54000	R	6276	R	C
SEAUH	54000	R	6336	R	C
SEAUJ	54000	R	6396	R	C
WHADA	72000	T	3662	R	C
WHADB	72000	T	3741	R	C
WHADC	54000	T	3811	R	C
WHADD	54000	T	3871	R	C
WHADE	54000	T	3931	R	C
WHADF	54000	T	3991	R	C
WHAD	54000	T	4051	R	C
WHADH	54000	T	4111	R	C
WHADI	54000	T	4171	R	C
WHBDA	72000	T	3662	L	C
WHBDB	72000	T	3741	L	C
WHBDC	54000	T	3811	L	C
WHBDD	54000	T	3871	L	C
WHBDE	54000	T	3931	L	C
WHBDF	54000	T	3991	L	C
WHBD	54000	T	4051	L	C
WHBDH	54000	T	4111	L	C
WHBDI	54000	T	4171	L	C
EHADA	72000	T	3662	R	C
EHADB	72000	T	3741	R	C
EHADC	54000	T	3811	R	C
EHADD	54000	T	3871	R	C
EHADE	54000	T	3931	R	C
EHADF	54000	T	3991	R	C

(a) Transponder ID	(b) Transponder Gain (dB)	Receive Band		Transmit Band	
		(c) Channel No.	(d) Beam ID	(e) Channel No.	(f) Beam ID
1	122.9	WHAUA	WHAU	WHADA	WHAD
2	123.1	WHAUB	WHAU	WHADB	WHAD
3	122.9	EHAUA	EHAU	WHADA	WHAD
4	123	EHAUB	EHAU	WHADB	WHAD
5	123.2	WHAUC	WHAU	WHADC	WHAD
6	123.3	WHAUD	WHAU	WHADD	WHAD
7	123.3	WHAUE	WHAU	WHADE	WHAD
8	123.4	WHAUF	WHAU	WHADF	WHAD
9	123.1	EHAUC	EHAU	WHADC	WHAD
10	123.2	EHAUD	EHAU	WHADD	WHAD
11	123.2	EHAUE	EHAU	WHADE	WHAD
12	123.3	EHAUF	EHAU	WHADF	WHAD
13	123	NAAUC	NAAU	WHADC	WHAD
14	123	NAAUD	NAAU	WHADD	WHAD
15	123.1	NAAUE	NAAU	WHADE	WHAD
16	123.1	NAAUF	NAAU	WHADF	WHAD
17	123	NABUC	NABU	WHADC	WHAD
18	123	NABUD	NABU	WHADD	WHAD
19	123.1	NABUE	NABU	WHADE	WHAD
20	123.1	NABUF	NABU	WHADF	WHAD
21	123.7	EUAUC	EUAU	WHADC	WHAD
22	123.7	EUAUD	EUAU	WHADD	WHAD
23	123.7	EUAUE	EUAU	WHADE	WHAD
24	123.8	EUAUF	EUAU	WHADF	WHAD
25	123.7	EUBUC	EUBU	WHADC	WHAD
26	123.7	EUBUD	EUBU	WHADD	WHAD
27	123.7	EUBUE	EUBU	WHADE	WHAD
28	123.8	EUBUF	EUBU	WHADF	WHAD
29	123.2	CAAUC	CAAU	WHADC	WHAD
30	123.3	CAAUD	CAAU	WHADD	WHAD

EHADG	54000	T	4051	R	C
EHADH	54000	T	4111	R	C
EHADI	54000	T	4171	R	C
EHBDA	72000	T	3662	L	C
EHBDB	72000	T	3741	L	C
EHBDC	54000	T	3811	L	C
EHBDD	54000	T	3871	L	C
EBHDE	54000	T	3931	L	C
EBHDF	54000	T	3991	L	C
EBBDG	54000	T	4051	L	C
EBBDH	54000	T	4111	L	C
EBBDI	54000	T	4171	L	C
GBADH	54000	T	4111	R	C
GBADI	54000	T	4171	R	C
GBBDH	54000	T	4111	L	C
GBBDI	54000	T	4171	L	C
NEADA	72000	T	3662	L	C
NEADB	72000	T	3741	L	C
NEADC	54000	T	3811	L	C
NEADD	54000	T	3871	L	C
NEADE	54000	T	3931	L	C
NEADF	54000	T	3991	L	C
NEADG	54000	T	4051	L	C
NEADH	54000	T	4111	L	C
NEADI	54000	T	4171	L	C
SEADA	72000	T	3662	L	C
SEADB	72000	T	3741	L	C
SEADC	54000	T	3811	L	C
SEADD	54000	T	3871	L	C
SEADE	54000	T	3931	L	C
SEADF	54000	T	3991	L	C
SEADG	54000	T	4051	L	C
SEADH	54000	T	4111	L	C
SEADI	54000	T	4171	L	C
NAAUA	62000	R	14036	H	C
NAAUB	54000	R	14101	H	C
NAAUC	54000	R	14161	H	C
NAAUD	54000	R	14221	H	C
NAAUE	54000	R	14281	H	C

31	123.3	CAAUE	CAAU	WHADE	WHAD
32	123.3	CAAUF	CAAU	WHADF	WHAD
33	123.7	WAAUC	WAAU	WHADC	WHAD
34	123.7	WAAUD	WAAU	WHADD	WHAD
35	123.7	WAAUE	WAAU	WHADE	WHAD
36	123.8	WAAUF	WAAU	WHADF	WHAD
37	123.4	SCAUC	SCAU	WHADC	WHAD
38	123.5	SCAUD	SCAU	WHADD	WHAD
39	123.5	SCAUE	SCAU	WHADE	WHAD
40	123.5	SCAUF	SCAU	WHADF	WHAD
41	123.5	SAAUC	SAAU	WHADC	WHAD
42	123.5	SAAUD	SAAU	WHADD	WHAD
43	123.5	SAAUE	SAAU	WHADE	WHAD
44	123.6	SAAUF	SAAU	WHADF	WHAD
45	123.5	WHAUG	WHAU	WHADG	WHAD
46	123.4	EHAUG	EHAU	WHADG	WHAD
47	123.6	WHAUH	WHAU	WHADH	WHAD
48	123.7	WHAUI	WHAU	WHADI	WHAD
49	123.5	EHAUH	EHAU	WHADH	WHAD
50	123.6	EHAUI	EHAU	WHADI	WHAD
51	126.2	GBAUH	GBAU	WHADH	WHAD
52	126.3	GBAUI	GBAU	WHADI	WHAD
53	124.7	WHAUH	WHAU	GBADH	GBAD
54	124.8	WHAUI	WHAU	GBADI	GBAD
55	124.6	EHAUH	EHAU	GBADH	GBAD
56	124.7	EHAUI	EHAU	GBADI	GBAD
57	127.3	GBAUH	GBAU	GBADH	GBAD
58	127.4	GBAUI	GBAU	GBADI	GBAD
59	123.3	EHAUA	EHAU	EHADA	EHAD
60	123.4	EHAUB	EHAU	EHADB	EHAD
61	123.4	WHAUA	WHAU	EHADA	EHAD
62	123.5	WHAUB	WHAU	EHADB	EHAD
63	123.6	WHAUC	WHAU	EHADC	EHAD
64	123.7	WHAUD	WHAU	EHADD	EHAD
65	123.8	WHAUE	WHAU	EHADE	EHAD
66	123.8	WHAUF	WHAU	EHADF	EHAD
67	123.5	EHAUC	EHAU	EHADC	EHAD
68	123.6	EHAUD	EHAU	EHADD	EHAD
69	123.7	EHAUE	EHAU	EHADE	EHAD

NAAUF	54000	R	14341	H	C
NAAUG	54000	R	14401	H	C
NAAUH	54000	R	14461	H	C
NABUA	62000	R	14036	V	C
NABUB	54000	R	14101	V	C
NABUC	54000	R	14161	V	C
NABUD	54000	R	14221	V	C
NABUE	54000	R	14281	V	C
NABUF	54000	R	14341	V	C
NABUG	54000	R	14401	V	C
NABUH	54000	R	14461	V	C
EUAUA	62000	R	14036	H	C
EUAUB	54000	R	14101	H	C
EUAUC	54000	R	14161	H	C
EUAUD	54000	R	14221	H	C
EUAUE	54000	R	14281	H	C
EUAUF	54000	R	14341	H	C
EUAUG	54000	R	14401	H	C
EUAUH	54000	R	14461	H	C
EUBUA	62000	R	14036	V	C
EUBUB	54000	R	14101	V	C
EUBUC	54000	R	14161	V	C
EUBUD	54000	R	14221	V	C
EUBUE	54000	R	14281	V	C
EUBUF	54000	R	14341	V	C
EUBUG	54000	R	14401	V	C
EUBUH	54000	R	14461	V	C
CAAUA	62000	R	14036	H	C
CAaub	54000	R	14101	H	C
CAAUc	54000	R	14161	H	C
CAAUd	54000	R	14221	H	C
CAAUE	54000	R	14281	H	C
CAAUF	54000	R	14341	H	C
CAAUG	54000	R	14401	H	C
CAAUH	54000	R	14461	H	C
WAAUA	62000	R	14036	H	C
WAAUB	54000	R	14101	H	C
WAAUC	54000	R	14161	H	C
WAAUD	54000	R	14221	H	C

70	123.7	EHAUF	EHAU	EHADF	EHAD
71	123.4	NAAUC	NAAU	EHADC	EHAD
72	123.4	NAAUD	NAAU	EHADD	EHAD
73	123.5	NAAUE	NAAU	EHADE	EHAD
74	123.5	NAAUF	NAAU	EHADF	EHAD
75	123.4	NABUC	NABU	EHADC	EHAD
76	123.4	NABUD	NABU	EHADD	EHAD
77	123.5	NABUE	NABU	EHADE	EHAD
78	123.5	NABUF	NABU	EHADF	EHAD
79	124.1	EUAUC	EUAU	EHADC	EHAD
80	124.1	EUAUD	EUAU	EHADD	EHAD
81	124.2	EUAUE	EUAU	EHADE	EHAD
82	124.2	EUAUF	EUAU	EHADF	EHAD
83	124.1	EUBUC	EUBU	EHADC	EHAD
84	124.1	EUBUD	EUBU	EHADD	EHAD
85	124.2	EUBUE	EUBU	EHADE	EHAD
86	124.2	EUBUF	EUBU	EHADF	EHAD
87	123.6	CAAUC	CAAU	EHADC	EHAD
88	123.7	CAAUD	CAAU	EHADD	EHAD
89	123.7	CAAUE	CAAU	EHADE	EHAD
90	123.8	CAAUF	CAAU	EHADF	EHAD
91	124.1	WAAUC	WAAU	EHADC	EHAD
92	124.1	WAAUD	WAAU	EHADD	EHAD
93	124.1	WAAUE	WAAU	EHADE	EHAD
94	124.2	WAAUF	WAAU	EHADF	EHAD
95	123.8	SCAUC	SCAU	EHADC	EHAD
96	123.9	SCAUD	SCAU	EHADD	EHAD
97	123.9	SCAUE	SCAU	EHADE	EHAD
98	124	SCAUF	SCAU	EHADF	EHAD
99	123.9	SAAUC	SAAU	EHADC	EHAD
100	123.9	SAAUD	SAAU	EHADD	EHAD
101	124	SAAUE	SAAU	EHADE	EHAD
102	124	SAAUF	SAAU	EHADF	EHAD
103	123.9	WHAUG	WHAU	EHADG	EHAD
104	123.8	EHAUG	EHAU	EHADG	EHAD
105	124	WHAUH	WHAU	EHADH	EHAD
106	124.1	WHAUI	WHAU	EHADI	EHAD
107	123.9	EHAUH	EHAU	EHADH	EHAD
108	124	EHAUI	EHAU	EHADI	EHAD

WAAUE	54000	R	14281	H	C
WAAUF	54000	R	14341	H	C
WAAUG	54000	R	14401	H	C
WAAUH	54000	R	14461	H	C
SCAUA	62000	R	14036	V	C
SCAUB	54000	R	14101	V	C
SCAUC	54000	R	14161	V	C
SCAUD	54000	R	14221	V	C
SCAUE	54000	R	14281	V	C
SCAUF	54000	R	14341	V	C
SCAUG	54000	R	14401	V	C
SCAUH	54000	R	14461	V	C
SAAUA	62000	R	14036	V	C
SAAUB	54000	R	14101	V	C
SAAUC	54000	R	14161	V	C
SAAUD	54000	R	14221	V	C
SAAUE	54000	R	14281	V	C
SAAUF	54000	R	14341	V	C
SAAUG	54000	R	14401	V	C
SAAUH	54000	R	14461	V	C
NABDM	62000	T	11736	H	C
NABDN	54000	T	11801	H	C
NABDO	54000	T	11861	H	C
NABDP	54000	T	11921	H	C
NABDQ	54000	T	11981	H	C
NABDR	54000	T	12041	H	C
NABDS	54000	T	12101	H	C
NABDT	54000	T	12161	H	C
EUBDA	62000	T	10986	H	C
EUBDB	54000	T	11051	H	C
EUBDC	54000	T	11111	H	C
EUBDD	54000	T	11171	H	C
EUBDE	54000	T	11491	H	C
EUBDF	54000	T	11551	H	C
EUBDG	54000	T	11611	H	C
EUBDH	54000	T	11671	H	C
CAADM	62000	T	11736	V	C
CAADN	54000	T	11801	V	C
CAADO	54000	T	11861	V	C

109	122.9	WHBUA	WHBU	WHBDA	WHBD
110	123.1	WHBUB	WHBU	WHBDB	WHBD
111	122.9	EHBUA	EHBU	WHBDA	WHBD
112	123	EHBUB	EHBU	WHBDB	WHBD
113	122.9	NEAUA	NEAU	WHBDA	WHBD
114	123	NEAUB	NEAU	WHBDB	WHBD
115	123.1	SEAU A	SEAU	WHBDA	WHBD
116	123.2	SEAU B	SEAU	WHBDB	WHBD
117	123.1	WHBUA	WHBU	SEADA	SEAD
118	123.2	WHBUB	WHBU	SEADB	SEAD
119	123	EHBUA	EHBU	SEADA	SEAD
120	123.1	EHBUB	EHBU	SEADB	SEAD
121	123	NEAUA	NEAU	SEADA	SEAD
122	123.2	NEAUB	NEAU	SEADB	SEAD
123	123.2	SEAU A	SEAU	SEADA	SEAD
124	123.3	SEAU B	SEAU	SEADB	SEAD
125	123.2	WHBUC	WHBU	WHBDC	WHBD
126	123.3	WHBUD	WHBU	WHBDD	WHBD
127	123.3	WHBUE	WHBU	WHBDE	WHBD
128	123.4	WHBUF	WHBU	WHBDF	WHBD
129	123.5	WHBUG	WHBU	WHBDG	WHBD
130	123.1	EBHUC	EHBU	WHBDC	WHBD
131	123.2	EBHUB	EHBU	WHBDD	WHBD
132	123.2	EBHUE	EHBU	WHBDE	WHBD
133	123.3	EBHUF	EHBU	WHBDF	WHBD
134	123.4	EBHUG	EHBU	WHBDG	WHBD
135	123.1	NEAUC	NEAU	WHBDC	WHBD
136	123.2	NEAUD	NEAU	WHBDD	WHBD
137	123.3	NEAUE	NEAU	WHBDE	WHBD
138	123.4	NEAUF	NEAU	WHBDF	WHBD
139	123.5	NEAUG	NEAU	WHBDG	WHBD
140	123.3	SEAU C	SEAU	WHBDC	WHBD
141	123.4	SEAU D	SEAU	WHBDD	WHBD
142	123.4	SEAU E	SEAU	WHBDE	WHBD
143	123.5	SEAU F	SEAU	WHBDF	WHBD
144	123.6	SEAU G	SEAU	WHBDG	WHBD
145	123.3	WHBUC	WHBU	SEADC	SEAD
146	123.4	WHBUD	WHBU	SEADD	SEAD
147	123.5	WHBUE	WHBU	SEADE	SEAD

CAADP	54000	T	11921	V	C
CAADQ	54000	T	11981	V	C
CAADR	54000	T	12041	V	C
CAADS	54000	T	12101	V	C
CAADT	54000	T	12161	V	C
WAADA	62000	T	10986	V	C
WAADB	54000	T	11051	V	C
WAADC	54000	T	11111	V	C
WAADD	54000	T	11171	V	C
WAADE	54000	T	11491	V	C
WAADF	54000	T	11551	V	C
WAADG	54000	T	11611	V	C
WAADH	54000	T	11671	V	C
SCADM	62000	T	11736	H	C
SCADN	54000	T	11801	H	C
SCADO	54000	T	11861	H	C
SCADP	54000	T	11921	H	C
SCADQ	54000	T	11981	H	C
SCADR	54000	T	12041	H	C
SCADS	54000	T	12101	H	C
SCADT	54000	T	12161	H	C
SAADA	62000	T	10986	H	C
SAADB	54000	T	11051	H	C
SAADC	54000	T	11111	H	C
SAADD	54000	T	11171	H	C
SAADE	54000	T	11491	H	C
SAADF	54000	T	11551	H	C
SAADG	54000	T	11611	H	C
SAADH	54000	T	11671	H	C
EUBDI	62000	T	12536	H	C
EUBDJ	54000	T	12601	H	C
EUBDK	54000	T	12661	H	C
EUBDL	54000	T	12721	H	C
ENAU A	62000	R	14036	V	C
ENAU B	54000	R	14101	V	C
ENAU C	54000	R	14161	V	C
ENAU D	54000	R	14221	V	C
ENAU E	54000	R	14281	V	C
ENAU F	54000	R	14341	V	C

148	123.6	WHBUF	WHBU	SEADF	SEAD
149	123.7	WHBUG	WHBU	SEADG	SEAD
150	123.2	EHBUC	EHBU	SEADC	SEAD
151	123.3	EBHUB	EHBU	SEADD	SEAD
152	123.4	EBHUE	EHBU	SEADE	SEAD
153	123.5	EBHUF	EHBU	SEADF	SEAD
154	123.6	EBHUG	EHBU	SEADG	SEAD
155	123.3	NEAUC	NEAU	SEADC	SEAD
156	123.4	NEAUD	NEAU	SEADD	SEAD
157	123.4	NEAUE	NEAU	SEADE	SEAD
158	123.5	NEAUF	NEAU	SEADF	SEAD
159	123.6	NEAUG	NEAU	SEADG	SEAD
160	123.4	SEAUC	SEAU	SEADC	SEAD
161	123.5	SEAUD	SEAU	SEADD	SEAD
162	123.6	SEAUE	SEAU	SEADE	SEAD
163	123.7	SEAU F	SEAU	SEADF	SEAD
164	123.8	SEAUG	SEAU	SEADG	SEAD
165	123.6	WHBUH	WHBU	WHBDH	WHBD
166	123.7	WHBUI	WHBU	WHBDI	WHBD
167	123.5	EBBUH	EBBU	WHBDH	WHBD
168	123.6	EBBUI	EBBU	WHBDI	WHBD
169	123.5	NEAUH	NEAU	WHBDH	WHBD
170	123.6	NEAUI	NEAU	WHBDI	WHBD
171	123.7	SEAUH	SEAU	WHBDH	WHBD
172	123.8	SEAU I	SEAU	WHBDI	WHBD
173	123.7	WHBUH	WHBU	SEADH	SEAD
174	123.8	WHBUI	WHBU	SEADI	SEAD
175	123.6	EBBUH	EBBU	SEADH	SEAD
176	123.7	EBBUI	EBBU	SEADI	SEAD
177	123.7	NEAUH	NEAU	SEADH	SEAD
178	123.8	NEAUI	NEAU	SEADI	SEAD
179	123.8	SEAUH	SEAU	SEADH	SEAD
180	123.9	SEAU I	SEAU	SEADI	SEAD
181	123.4	WHBUA	WHBU	EBBDA	EBBD
182	123.5	WHBUB	WHBU	EBBDB	EBBD
183	123.3	EBBUA	EBBU	EBBDA	EBBD
184	123.4	EBBUB	EBBU	EBBDB	EBBD
185	123.3	NEAU A	NEAU	EBBDA	EBBD
186	123.4	NEAU B	NEAU	EBBDB	EBBD

ENAU	54000	R	14401	V	C
ENAUH	54000	R	14461	V	C
TM1	500	T	11451	H	T
TM2	500	T	11454	H	T
CM1	940	R	14496	V	T
CM2	940	R	14499	V	T
BNK1	25	T	11451	H	T
BNK2	25	T	11454	H	T
BNC1	25	T	4199.5	C	T
WHAUA	72000	R	5887	L	C
WHAUB	72000	R	5966	L	C
WHAUC	54000	R	6036	L	C
WHAUD	54000	R	6096	L	C
WHAUE	54000	R	6156	L	C
WHAUF	54000	R	6216	L	C
WHAU	54000	R	6276	L	C
WHAUH	54000	R	6336	L	C
WHAUI	54000	R	6396	L	C
WHBUA	72000	R	5887	R	C
WHBUB	72000	R	5966	R	C
WHBUC	54000	R	6036	R	C
WHBUD	54000	R	6096	R	C
WHBUE	54000	R	6156	R	C
WHBUF	54000	R	6216	R	C
WHBU	54000	R	6276	R	C
WHBUH	54000	R	6336	R	C
WHBUI	54000	R	6396	R	C
EHAUA	72000	R	5887	L	C
EHAUB	72000	R	5966	L	C
EHAUC	54000	R	6036	L	C
EHAUD	54000	R	6096	L	C
EHAUE	54000	R	6156	L	C
EHAUF	54000	R	6216	L	C
EHAUG	54000	R	6276	L	C
EHAUH	54000	R	6336	L	C
EHAUI	54000	R	6396	L	C
EHBUA	72000	R	5887	R	C
EBUB	72000	R	5966	R	C
EBUC	54000	R	6036	R	C

187	123.5	SEAU	SEAU	EBDA	EBD
188	123.6	SEAU	SEAU	EBDB	EBD
189	123	WHBU	WHBU	NEADA	NEAD
190	123.1	WHBUB	WHBU	NEADB	NEAD
191	122.9	EBUA	EBU	NEADA	NEAD
192	123	EBUB	EBU	NEADB	NEAD
193	122.9	NEAU	NEAU	NEADA	NEAD
194	123.1	NEAUB	NEAU	NEADB	NEAD
195	123.1	SEAU	SEAU	NEADA	NEAD
196	123.2	SEAU	SEAU	NEADB	NEAD
197	123.6	WHBUC	WHBU	EBDC	EBD
198	123.7	WHBUD	WHBU	EBDD	EBD
199	123.8	WHBUE	WHBU	EBDE	EBD
200	123.8	WHBUF	WHBU	EBDF	EBD
201	123.9	WHBUG	WHBU	EBDG	EBD
202	123.5	EBUC	EBU	EBDC	EBD
203	123.6	EBUD	EBU	EBDD	EBD
204	123.7	EBUE	EBU	EBDE	EBD
205	123.7	EBUF	EBU	EBDF	EBD
206	123.8	EBUG	EBU	EBDG	EBD
207	123.5	NEAUC	NEAU	EBDC	EBD
208	123.6	NEAUD	NEAU	EBDD	EBD
209	123.7	NEAUE	NEAU	EBDE	EBD
210	123.8	NEAUF	NEAU	EBDF	EBD
211	123.9	NEAUG	NEAU	EBDG	EBD
212	123.7	SEAU	SEAU	EBDC	EBD
213	123.8	SEAUD	SEAU	EBDD	EBD
214	123.9	SEAU	SEAU	EBDE	EBD
215	123.9	SEAU	SEAU	EBDF	EBD
216	124	SEAU	SEAU	EBDG	EBD
217	123.2	WHBUC	WHBU	NEADC	NEAD
218	123.3	WHBUD	WHBU	NEADD	NEAD
219	123.4	WHBUE	WHBU	NEADE	NEAD
220	123.5	WHBUF	WHBU	NEADF	NEAD
221	123.6	WHBUG	WHBU	NEADG	NEAD
222	123.1	EBUC	EBU	NEADC	NEAD
223	123.2	EBUD	EBU	NEADD	NEAD
224	123.3	EBUE	EBU	NEADE	NEAD
225	123.4	EBUF	EBU	NEADF	NEAD

EHBUD	54000	R	6096	R	C
EBHUE	54000	R	6156	R	C
EHBUF	54000	R	6216	R	C
EHBUG	54000	R	6276	R	C
EHBUH	54000	R	6336	R	C
EBHUI	54000	R	6396	R	C
GBAUH	54000	R	6336	L	C
GBAUI	54000	R	6396	L	C
GBBUH	54000	R	6336	R	C
GBBUI	54000	R	6396	R	C
NEAUA	72000	R	5887	R	C
NEAUB	72000	R	5966	R	C
NEAUC	54000	R	6036	R	C
NEAUD	54000	R	6096	R	C
NEAUE	54000	R	6156	R	C
NEAUF	54000	R	6216	R	C
NEAUG	54000	R	6276	R	C
NEAUH	54000	R	6336	R	C
NEAUI	54000	R	6396	R	C
SEAUH	72000	R	5887	R	C
SEAUH	72000	R	5966	R	C
SEAUH	54000	R	6036	R	C

226	123.5	EHBUG	EHBU	NEADG	NEAD
227	123.2	NEAUC	NEAU	NEADC	NEAD
228	123.3	NEAUD	NEAU	NEADD	NEAD
229	123.3	NEAUE	NEAU	NEADE	NEAD
230	123.4	NEAUF	NEAU	NEADF	NEAD
231	123.5	NEAUG	NEAU	NEADG	NEAD
232	123.3	SEAUC	SEAU	NEADC	NEAD
233	123.4	SEAUD	SEAU	NEADD	NEAD
234	123.5	SEAUE	SEAU	NEADE	NEAD
235	123.6	SEAUF	SEAU	NEADF	NEAD
236	123.7	SEAUG	SEAU	NEADG	NEAD
237	124	WHBUH	WHBU	EHBDH	EHBD
238	124.1	WHBUI	WHBU	EHBDI	EHBD
239	123.9	EHBUH	EHBU	EHBDH	EHBD
240	124	EBHUI	EHBU	EHBDI	EHBD
241	124	NEAUH	NEAU	EHBDH	EHBD
242	124	NEAUI	NEAU	EHBDI	EHBD
243	124.1	SEAUH	SEAU	EHBDH	EHBD
244	124.2	SEAUH	SEAU	EHBDI	EHBD
245	126.6	GBBUH	GBBU	EHBDH	EHBD
246	126.7	GBBUI	GBBU	EHBDI	EHBD
247	123.6	WHBUH	WHBU	NEADH	NEAD
248	123.7	WHBUI	WHBU	NEADI	NEAD
249	123.5	EHBUH	EHBU	NEADH	NEAD
250	123.6	EBHUI	EHBU	NEADI	NEAD
251	123.6	NEAUH	NEAU	NEADH	NEAD
252	123.7	NEAUI	NEAU	NEADI	NEAD
253	123.7	SEAUH	SEAU	NEADH	NEAD
254	123.8	SEAUH	SEAU	NEADI	NEAD
255	126.3	GBBUH	GBBU	NEADH	NEAD
256	126.4	GBBUI	GBBU	NEADI	NEAD
257	124.7	WHBUH	WHBU	GBBDH	GBBD
258	124.8	WHBUI	WHBU	GBBDI	GBBD
259	124.6	EHBUH	EHBU	GBBDH	GBBD
260	124.7	EBHUI	EHBU	GBBDI	GBBD
261	124.6	NEAUH	NEAU	GBBDH	GBBD
262	124.7	NEAUI	NEAU	GBBDI	GBBD
263	124.8	SEAUH	SEAU	GBBDH	GBBD
264	124.9	SEAUH	SEAU	GBBDI	GBBD

265	127.3	GBBUH	GBBU	GBBDH	GBBD
266	127.4	GBBUI	GBBU	GBBDI	GBBD
267	127	NAAUA	NAAU	EUBDA	EUBD
268	127	NABUA	NABU	EUBDA	EUBD
269	127.7	EUAUA	EUAU	EUBDA	EUBD
270	127.7	EUBUA	EUBU	EUBDA	EUBD
271	127.2	CAUA	CAAU	EUBDA	EUBD
272	127.7	WAAUA	WAAU	EUBDA	EUBD
273	127.4	SCAUA	SCAU	EUBDA	EUBD
274	127.5	SAAUA	SAAU	EUBDA	EUBD
275	124.6	ENAU	ENAU	EUBDA	EUBD
276	127	NAAUB	NAAU	EUBDB	EUBD
277	127.1	NAAUC	NAAU	EUBDC	EUBD
278	127.1	NAAUD	NAAU	EUBDD	EUBD
279	127.1	NAAUE	NAAU	EUBDE	EUBD
280	127	NABUB	NABU	EUBDB	EUBD
281	127.1	NABUC	NABU	EUBDC	EUBD
282	127.1	NABUD	NABU	EUBDD	EUBD
283	127.1	NABUE	NABU	EUBDE	EUBD
284	127.7	EUAUB	EUAU	EUBDB	EUBD
285	127.8	EUAUC	EUAU	EUBDC	EUBD
286	127.8	EUAUD	EUAU	EUBDD	EUBD
287	127.8	EUAUE	EUAU	EUBDE	EUBD
288	127.7	EUBUB	EUBU	EUBDB	EUBD
289	127.8	EUBUC	EUBU	EUBDC	EUBD
290	127.8	EUBUD	EUBU	EUBDD	EUBD
291	127.8	EUBUE	EUBU	EUBDE	EUBD
292	127.3	CAAUB	CAAU	EUBDB	EUBD
293	127.3	CAAUC	CAAU	EUBDC	EUBD
294	127.3	CAAUD	CAAU	EUBDD	EUBD
295	127.4	CAAUE	CAAU	EUBDE	EUBD
296	127.7	WAAUB	WAAU	EUBDB	EUBD
297	127.7	WAAUC	WAAU	EUBDC	EUBD
298	127.8	WAAUD	WAAU	EUBDD	EUBD
299	127.8	WAAUE	WAAU	EUBDE	EUBD
300	127.5	SCAUB	SCAU	EUBDB	EUBD
301	127.5	SCAUC	SCAU	EUBDC	EUBD
302	127.5	SCAUD	SCAU	EUBDD	EUBD
303	127.6	SCAUE	SCAU	EUBDE	EUBD

304	127.5	SAAUB	SAAU	EUBDB	EUBD
305	127.6	SAAUC	SAAU	EUBDC	EUBD
306	127.6	SAAUD	SAAU	EUBDD	EUBD
307	127.6	SAAUE	SAAU	EUBDE	EUBD
308	124.7	ENaub	ENAU	EUBDB	EUBD
309	124.7	ENAUc	ENAU	EUBDC	EUBD
310	124.7	ENAUd	ENAU	EUBDD	EUBD
311	124.8	ENAUe	ENAU	EUBDE	EUBD
312	127.3	WHAUC	WHAU	EUBDB	EUBD
313	127.3	WHAUD	WHAU	EUBDC	EUBD
314	127.4	WHAUE	WHAU	EUBDD	EUBD
315	127.5	WHAUF	WHAU	EUBDE	EUBD
316	127.2	EHAUC	EHAU	EUBDB	EUBD
317	127.3	EHAUD	EHAU	EUBDC	EUBD
318	127.3	EHAUE	EHAU	EUBDD	EUBD
319	127.4	EHAUF	EHAU	EUBDE	EUBD
320	127.2	NAAUF	NAAU	EUBDF	EUBD
321	127.2	NAAUG	NAAU	EUBDG	EUBD
322	127.3	NAAUH	NAAU	EUBDH	EUBD
323	127.2	NABUF	NABU	EUBDF	EUBD
324	127.2	NABUG	NABU	EUBDG	EUBD
325	127.3	NABUH	NABU	EUBDH	EUBD
326	127.9	EUAUF	EUAU	EUBDF	EUBD
327	127.9	EUAUG	EUAU	EUBDG	EUBD
328	127.9	EUAUH	EUAU	EUBDH	EUBD
329	127.9	EUBUF	EUBU	EUBDF	EUBD
330	127.9	EUBUG	EUBU	EUBDG	EUBD
331	127.9	EUBUH	EUBU	EUBDH	EUBD
332	127.4	CAAUF	CAAU	EUBDF	EUBD
333	127.5	CAAUG	CAAU	EUBDG	EUBD
334	127.5	CAAUH	CAAU	EUBDH	EUBD
335	127.9	WAAUF	WAAU	EUBDF	EUBD
336	127.9	WAAUG	WAAU	EUBDG	EUBD
337	127.9	WAAUH	WAAU	EUBDH	EUBD
338	127.6	SCAUf	SCAU	EUBDF	EUBD
339	127.7	SCAUg	SCAU	EUBDG	EUBD
340	127.7	SCAUH	SCAU	EUBDH	EUBD
341	127.7	SAAUF	SAAU	EUBDF	EUBD
342	127.7	SAAUG	SAAU	EUBDG	EUBD

343	127.7	SAAUH	SAAU	EUBDH	EUBD
344	124.8	ENAU	ENAU	EUBDF	EUBD
345	124.8	ENAU	ENAU	EUBDG	EUBD
346	124.9	ENAUH	ENAU	EUBDH	EUBD
347	127	NAAUA	NAAU	EUBDI	EUBD
348	127	NABUA	NABU	EUBDI	EUBD
349	127.7	EUAUA	EUAU	EUBDI	EUBD
350	127.7	EUBUA	EUBU	EUBDI	EUBD
351	127.2	CAUA	CAAU	EUBDI	EUBD
352	127.7	WAAUA	WAAU	EUBDI	EUBD
353	127.4	SCAU	SCAU	EUBDI	EUBD
354	127.5	SAAUA	SAAU	EUBDI	EUBD
355	124.6	ENAU	ENAU	EUBDI	EUBD
356	126.3	NAAUA	NAAU	WAADA	WAAD
357	126.3	NABUA	NABU	WAADA	WAAD
358	127	EUAUA	EUAU	WAADA	WAAD
359	127	EUBUA	EUBU	WAADA	WAAD
360	126.5	CAUA	CAAU	WAADA	WAAD
361	126.9	WAAUA	WAAU	WAADA	WAAD
362	126.7	SCAU	SCAU	WAADA	WAAD
363	126.8	SAAUA	SAAU	WAADA	WAAD
364	123.9	ENAU	ENAU	WAADA	WAAD
365	127	NAAUB	NAAU	EUBDJ	EUBD
366	127.1	NAAUC	NAAU	EUBDK	EUBD
367	127.1	NAAUD	NAAU	EUBDL	EUBD
368	127	NABUB	NABU	EUBDJ	EUBD
369	127.1	NABUC	NABU	EUBDK	EUBD
370	127.1	NABUD	NABU	EUBDL	EUBD
371	127.7	EUAUB	EUAU	EUBDJ	EUBD
372	127.8	EUAUC	EUAU	EUBDK	EUBD
373	127.8	EUAUD	EUAU	EUBDL	EUBD
374	127.7	EUBUB	EUBU	EUBDJ	EUBD
375	127.8	EUBUC	EUBU	EUBDK	EUBD
376	127.8	EUBUD	EUBU	EUBDL	EUBD
377	127.3	CAAUB	CAAU	EUBDJ	EUBD
378	127.3	CAAUC	CAAU	EUBDK	EUBD
379	127.3	CAAUD	CAAU	EUBDL	EUBD
380	127.7	WAAUB	WAAU	EUBDJ	EUBD
423	126.5	NABUE	NABU	SAADE	SAAD

424	126.5	NABUF	NABU	SAADF	SAAD
425	126.6	NABUG	NABU	SAADG	SAAD
426	126.6	NABUH	NABU	SAADH	SAAD
427	127.2	EUAUE	EUAU	SAADE	SAAD
428	127.2	EUAUF	EUAU	SAADF	SAAD
429	127.3	EUAUG	EUAU	SAADG	SAAD
430	127.3	EUAUH	EUAU	SAADH	SAAD
431	127.2	EUBUE	EUBU	SAADE	SAAD
432	127.2	EUBUF	EUBU	SAADF	SAAD
433	127.3	EUBUG	EUBU	SAADG	SAAD
434	127.3	EUBUH	EUBU	SAADH	SAAD
435	126.7	CAAUE	CAAU	SAADE	SAAD
436	126.8	CAAUUF	CAAU	SAADF	SAAD
437	126.8	CAAUG	CAAU	SAADG	SAAD
438	126.9	CAAUH	CAAU	SAADH	SAAD
439	127.2	WAAUE	WAAU	SAADE	SAAD
440	127.2	WAAUF	WAAU	SAADF	SAAD
441	127.2	WAAUG	WAAU	SAADG	SAAD
442	127.3	WAAUH	WAAU	SAADH	SAAD
443	126.9	SCAUE	SCAU	SAADE	SAAD
444	127	SCAUUF	SCAU	SAADF	SAAD
445	127	SCAUG	SCAU	SAADG	SAAD
446	127.1	SCAUH	SCAU	SAADH	SAAD
447	127	SAAUE	SAAU	SAADE	SAAD
448	127	SAAUF	SAAU	SAADF	SAAD
449	127.1	SAAUG	SAAU	SAADG	SAAD
450	127.1	SAAUH	SAAU	SAADH	SAAD
451	124.1	ENAUE	ENAU	SAADE	SAAD
452	124.2	ENAUUF	ENAU	SAADF	SAAD
453	124.2	ENAUUG	ENAU	SAADG	SAAD
454	124.2	ENAUH	ENAU	SAADH	SAAD
455	126.4	NAAUE	NAAU	WAADE	WAAD
456	126.5	NAAUF	NAAU	WAADF	WAAD
457	126.5	NAAUG	NAAU	WAADG	WAAD
458	126.5	NAAUH	NAAU	WAADH	WAAD
459	126.4	NABUE	NABU	WAADE	WAAD
460	126.5	NABUF	NABU	WAADF	WAAD
461	126.5	NABUG	NABU	WAADG	WAAD
462	126.5	NABUH	NABU	WAADH	WAAD

463	127.1	EUAUE	EUAU	WAADDE	WAAD
464	127.1	EUAUF	EUAU	WAADF	WAAD
465	127.2	EUAUG	EUAU	WAADG	WAAD
466	127.2	EUAUH	EUAU	WAADH	WAAD
467	127.1	EUBUE	EUBU	WAADDE	WAAD
468	127.1	EUBUF	EUBU	WAADF	WAAD
469	127.2	EUBUG	EUBU	WAADG	WAAD
470	127.2	EUBUH	EUBU	WAADH	WAAD
471	126.7	CAAUE	CAAU	WAADDE	WAAD
472	126.7	CAAUUF	CAAU	WAADF	WAAD
473	126.7	CAAUG	CAAU	WAADG	WAAD
474	126.8	CAAUH	CAAU	WAADH	WAAD
475	127.1	WAAUE	WAAU	WAADDE	WAAD
476	127.1	WAAUF	WAAU	WAADF	WAAD
477	127.2	WAAUG	WAAU	WAADG	WAAD
478	127.2	WAAUH	WAAU	WAADH	WAAD
479	126.9	SCAUE	SCAU	WAADDE	WAAD
480	126.9	SCAUUF	SCAU	WAADF	WAAD
481	126.9	SCAUG	SCAU	WAADG	WAAD
482	127	SCAUH	SCAU	WAADH	WAAD
483	126.9	SAAUE	SAAU	WAADDE	WAAD
484	126.9	SAAUF	SAAU	WAADF	WAAD
485	127	SAAUG	SAAU	WAADG	WAAD
486	127	SAAUH	SAAU	WAADH	WAAD
487	124	ENAUE	ENAU	WAADDE	WAAD
488	124.1	ENAUUF	ENAU	WAADF	WAAD
489	124.1	ENAUUG	ENAU	WAADG	WAAD
490	124.2	ENAUH	ENAU	WAADH	WAAD
491	126.4	NAAUA	NAAU	SAADA	SAAD
492	126.4	NABUA	NABU	SAADA	SAAD
493	127	EUAUA	EUAU	SAADA	SAAD
494	127	EUBUA	EUBU	SAADA	SAAD
495	126.6	CAAUA	CAAU	SAADA	SAAD
496	127	WAAUA	WAAU	SAADA	SAAD
497	126.8	SCAUA	SCAU	SAADA	SAAD
498	126.8	SAAUA	SAAU	SAADA	SAAD
499	124	ENAUUA	ENAU	SAADA	SAAD
500	126.3	NAAUA	NAAU	WAADA	WAAD
501	126.3	NABUA	NABU	WAADA	WAAD

502	127	EUAUA	EUAU	WAADA	WAAD
503	127	EUBUA	EUBU	WAADA	WAAD
504	126.5	CAAUA	CAAU	WAADA	WAAD
505	126.9	WAAUA	WAAU	WAADA	WAAD
506	126.7	SCAUA	SCAU	WAADA	WAAD
507	126.8	SAAUA	SAAU	WAADA	WAAD
508	123.9	ENAUUA	ENAU	WAADA	WAAD
509	126.4	NAAUB	NAAU	SAADB	SAAD
510	126.4	NAAUC	NAAU	SAADC	SAAD
511	126.5	NAAUD	NAAU	SAADD	SAAD
512	126.4	NABUB	NABU	SAADB	SAAD
513	126.4	NABUC	NABU	SAADC	SAAD
514	126.5	NABUD	NABU	SAADD	SAAD
515	127.1	EUAUB	EUAU	SAADB	SAAD
516	127.1	EUAUC	EUAU	SAADC	SAAD
517	127.2	EUAUD	EUAU	SAADD	SAAD
518	127.1	EUBUB	EUBU	SAADB	SAAD
519	127.1	EUBUC	EUBU	SAADC	SAAD
520	127.2	EUBUD	EUBU	SAADD	SAAD
521	126.6	CAAUB	CAAU	SAADB	SAAD
522	126.7	CAAUC	CAAU	SAADC	SAAD
523	126.7	CAAUD	CAAU	SAADD	SAAD
524	127.1	WAAUB	WAAU	SAADB	SAAD
525	127.1	WAAUC	WAAU	SAADC	SAAD
526	127.1	WAAUD	WAAU	SAADD	SAAD
527	126.8	SCAUB	SCAU	SAADB	SAAD
528	126.9	SCAUC	SCAU	SAADC	SAAD
529	126.9	SCAUD	SCAU	SAADD	SAAD
530	126.9	SAAUB	SAAU	SAADB	SAAD
531	126.9	SAAUC	SAAU	SAADC	SAAD
532	127	SAAUD	SAAU	SAADD	SAAD
533	124	ENaub	ENAU	SAADB	SAAD
534	124.1	ENAUc	ENAU	SAADC	SAAD
535	124.1	ENAUd	ENAU	SAADD	SAAD
536	126.3	NAAUB	NAAU	WAADB	WAAD
537	126.3	NAAUC	NAAU	WAADC	WAAD
538	126.4	NAAUD	NAAU	WAADD	WAAD
539	126.3	NABUB	NABU	WAADB	WAAD
540	126.3	NABUC	NABU	WAADC	WAAD

541	126.4	NABUD	NABU	WAADD	WAAD
542	127	EUAUB	EUAU	WAADB	WAAD
543	127	EUAUC	EUAU	WAADC	WAAD
544	127.1	EUAUD	EUAU	WAADD	WAAD
545	127	EUBUB	EUBU	WAADB	WAAD
546	127	EUBUC	EUBU	WAADC	WAAD
547	127.1	EUBUD	EUBU	WAADD	WAAD
548	126.5	CAAUB	CAAU	WAADB	WAAD
549	126.6	CAAUC	CAAU	WAADC	WAAD
550	126.6	CAAUD	CAAU	WAADD	WAAD
551	127	WAAUB	WAAU	WAADB	WAAD
552	127	WAAUC	WAAU	WAADC	WAAD
553	127	WAAUD	WAAU	WAADD	WAAD
554	126.7	SCAUB	SCAU	WAADB	WAAD
555	126.8	SCAUC	SCAU	WAADC	WAAD
556	126.8	SCAUD	SCAU	WAADD	WAAD
557	126.8	SAAUB	SAAU	WAADB	WAAD
558	126.8	SAAUC	SAAU	WAADC	WAAD
559	126.9	SAAUD	SAAU	WAADD	WAAD
560	123.9	ENaub	ENAU	WAADB	WAAD
561	124	ENAUc	ENAU	WAADC	WAAD
562	124	ENAUd	ENAU	WAADD	WAAD
563	126.2	NAAUA	NAAU	SCADM	SCAD
564	126.2	NABUA	NABU	SCADM	SCAD
565	126.9	EUAUA	EUAU	SCADM	SCAD
566	126.9	EUBUA	EUBU	SCADM	SCAD
567	126.4	CAAUA	CAAU	SCADM	SCAD
568	126.8	WAAUA	WAAU	SCADM	SCAD
569	126.6	SCAUA	SCAU	SCADM	SCAD
570	126.7	SAAUA	SAAU	SCADM	SCAD
571	123.8	ENAUa	ENAU	SCADM	SCAD
572	126.3	NAAUA	NAAU	CAADM	CAAD
573	126.3	NABUA	NABU	CAADM	CAAD
574	127	EUAUA	EUAU	CAADM	CAAD
575	127	EUBUA	EUBU	CAADM	CAAD
576	126.6	CAAUA	CAAU	CAADM	CAAD
577	127	WAAUA	WAAU	CAADM	CAAD
578	126.8	SCAUA	SCAU	CAADM	CAAD
579	126.8	SAAUA	SAAU	CAADM	CAAD

580	124	ENAU	ENAU	CAADM	CAAD
581	126.2	NAAUB	NAAU	SCADN	SCAD
582	126.2	NAAUC	NAAU	SCADO	SCAD
583	126.3	NAAUD	NAAU	SCADP	SCAD
584	126.2	NABUB	NABU	SCADN	SCAD
585	126.2	NABUC	NABU	SCADO	SCAD
586	126.3	NABUD	NABU	SCADP	SCAD
587	126.9	EUAUB	EUAU	SCADN	SCAD
588	126.9	EUAUC	EUAU	SCADO	SCAD
589	127	EUAUD	EUAU	SCADP	SCAD
590	126.9	EUBUB	EUBU	SCADN	SCAD
591	126.9	EUBUC	EUBU	SCADO	SCAD
592	127	EUBUD	EUBU	SCADP	SCAD
593	126.4	CAAUB	CAAU	SCADN	SCAD
594	126.5	CAAUC	CAAU	SCADO	SCAD
595	126.5	CAAUD	CAAU	SCADP	SCAD
596	126.9	WAAUB	WAAU	SCADN	SCAD
597	126.9	WAAUC	WAAU	SCADO	SCAD
598	126.9	WAAUD	WAAU	SCADP	SCAD
599	126.6	SCAUB	SCAU	SCADN	SCAD
600	126.7	SCAUC	SCAU	SCADO	SCAD
601	126.7	SCAUD	SCAU	SCADP	SCAD
602	126.7	SAAUB	SAAU	SCADN	SCAD
603	126.7	SAAUC	SAAU	SCADO	SCAD
604	126.8	SAAUD	SAAU	SCADP	SCAD
605	123.8	ENAU	ENAU	SCADN	SCAD
606	123.9	ENAU	ENAU	SCADO	SCAD
607	123.9	ENAU	ENAU	SCADP	SCAD
608	126.4	NAAUB	NAAU	CAADN	CAAD
609	126.4	NAAUC	NAAU	CAADO	CAAD
610	126.4	NAAUD	NAAU	CAADP	CAAD
611	126.4	NABUB	NABU	CAADN	CAAD
612	126.4	NABUC	NABU	CAADO	CAAD
613	126.4	NABUD	NABU	CAADP	CAAD
614	127.1	EUAUB	EUAU	CAADN	CAAD
615	127.1	EUAUC	EUAU	CAADO	CAAD
616	127.1	EUAUD	EUAU	CAADP	CAAD
617	127.1	EUBUB	EUBU	CAADN	CAAD
618	127.1	EUBUC	EUBU	CAADO	CAAD

619	127.1	EUBUD	EUBU	CAADP	CAAD
620	126.6	CAAUB	CAAU	CAADN	CAAD
621	126.6	CAAUC	CAAU	CAADO	CAAD
622	126.7	CAAUD	CAAU	CAADP	CAAD
623	127	WAAUB	WAAU	CAADN	CAAD
624	127.1	WAAUC	WAAU	CAADO	CAAD
625	127.1	WAAUD	WAAU	CAADP	CAAD
626	126.8	SCAUB	SCAU	CAADN	CAAD
627	126.8	SCAUC	SCAU	CAADO	CAAD
628	126.9	SCAUD	SCAU	CAADP	CAAD
629	126.9	SAAUB	SAAU	CAADN	CAAD
630	126.9	SAAUC	SAAU	CAADO	CAAD
631	126.9	SAAUD	SAAU	CAADP	CAAD
632	124	ENaub	ENAU	CAADN	CAAD
633	124	ENAUc	ENAU	CAADO	CAAD
634	124.1	ENAUd	ENAU	CAADP	CAAD
635	126.3	NAAUE	NAAU	SCADQ	SCAD
636	126.4	NAAUF	NAAU	SCADR	SCAD
637	126.4	NAAUG	NAAU	SCADS	SCAD
638	126.4	NAAUH	NAAU	SCADT	SCAD
639	126.3	NABUE	NABU	SCADQ	SCAD
640	126.4	NABUF	NABU	SCADR	SCAD
641	126.4	NABUG	NABU	SCADS	SCAD
642	126.4	NABUH	NABU	SCADT	SCAD
643	127	EUAUE	EUAU	SCADQ	SCAD
644	127	EUAUF	EUAU	SCADR	SCAD
645	127.1	EUAUG	EUAU	SCADS	SCAD
646	127.1	EUAUH	EUAU	SCADT	SCAD
647	127	EUBUE	EUBU	SCADQ	SCAD
648	127	EUBUF	EUBU	SCADR	SCAD
649	127.1	EUBUG	EUBU	SCADS	SCAD
650	127.1	EUBUH	EUBU	SCADT	SCAD
651	126.6	CAAUE	CAAU	SCADQ	SCAD
652	126.6	CAAUF	CAAU	SCADR	SCAD
653	126.6	CAAUG	CAAU	SCADS	SCAD
654	126.7	CAAUH	CAAU	SCADT	SCAD
655	127	WAAUE	WAAU	SCADQ	SCAD
656	127	WAAUF	WAAU	SCADR	SCAD
657	127.1	WAAUG	WAAU	SCADS	SCAD

658	127.1	WAAUH	WAAU	SCADT	SCAD
659	126.8	SCAUE	SCAU	SCADQ	SCAD
660	126.8	SCAUF	SCAU	SCADR	SCAD
661	126.8	SCAUG	SCAU	SCADS	SCAD
662	126.9	SCAUH	SCAU	SCADT	SCAD
663	126.8	SAAUE	SAAU	SCADQ	SCAD
664	126.8	SAAUF	SAAU	SCADR	SCAD
665	126.9	SAAUG	SAAU	SCADS	SCAD
666	126.9	SAAUH	SAAU	SCADT	SCAD
667	123.9	ENAUE	ENAU	SCADQ	SCAD
668	124	ENAUF	ENAU	SCADR	SCAD
669	124	ENAUG	ENAU	SCADS	SCAD
670	124.1	ENAUH	ENAU	SCADT	SCAD
671	126.5	NAAUE	NAAU	CAADQ	CAAD
672	126.5	NAAUF	NAAU	CAADR	CAAD
673	126.5	NAAUG	NAAU	CAADS	CAAD
674	126.6	NAAUH	NAAU	CAADT	CAAD
675	126.5	NABUE	NABU	CAADQ	CAAD
676	126.5	NABUF	NABU	CAADR	CAAD
677	126.5	NABUG	NABU	CAADS	CAAD
678	126.6	NABUH	NABU	CAADT	CAAD
679	127.2	EUAUE	EUAU	CAADQ	CAAD
680	127.2	EUAUF	EUAU	CAADR	CAAD
681	127.2	EUAUG	EUAU	CAADS	CAAD
682	127.3	EUAUH	EUAU	CAADT	CAAD
683	127.2	EUBUE	EUBU	CAADQ	CAAD
684	127.2	EUBUF	EUBU	CAADR	CAAD
685	127.2	EUBUG	EUBU	CAADS	CAAD
686	127.3	EUBUH	EUBU	CAADT	CAAD
687	126.7	CAAUE	CAAU	CAADQ	CAAD
688	126.8	CAAUF	CAAU	CAADR	CAAD
689	126.8	CAAUG	CAAU	CAADS	CAAD
690	126.8	CAAUH	CAAU	CAADT	CAAD
691	127.1	WAAUE	WAAU	CAADQ	CAAD
692	127.2	WAAUF	WAAU	CAADR	CAAD
693	127.2	WAAUG	WAAU	CAADS	CAAD
694	127.3	WAAUH	WAAU	CAADT	CAAD
695	126.9	SCAUE	SCAU	CAADQ	CAAD
696	127	SCAUF	SCAU	CAADR	CAAD

697	127	SCAUG	SCAU	CAADS	CAAD
698	127	SCAUH	SCAU	CAADT	CAAD
699	127	SAAUE	SAAU	CAADQ	CAAD
700	127	SAAUF	SAAU	CAADR	CAAD
701	127	SAAUG	SAAU	CAADS	CAAD
702	127.1	SAAUH	SAAU	CAADT	CAAD
703	124.1	ENAUE	ENAU	CAADQ	CAAD
704	124.1	ENAUH	ENAU	CAADR	CAAD
705	124.2	ENAUU	ENAU	CAADS	CAAD
706	124.2	ENAUH	ENAU	CAADT	CAAD
707	126.6	NAAUA	NAAU	NABDM	NABD
708	126.6	NABUA	NABU	NABDM	NABD
709	127.3	EUAUA	EUAU	NABDM	NABD
710	127.3	EUBUA	EUBU	NABDM	NABD
711	126.8	CAUAU	CAAU	NABDM	NABD
712	127.3	WAAUA	WAAU	NABDM	NABD
713	127	SCAUA	SCAU	NABDM	NABD
714	127.1	SAAUA	SAAU	NABDM	NABD
715	124.2	ENAUU	ENAU	NABDM	NABD
716	126.6	NAAUB	NAAU	NABDN	NABD
717	126.7	NAAUC	NAAU	NABDO	NABD
718	126.7	NAAUD	NAAU	NABDP	NABD
719	126.7	NAAUE	NAAU	NABDQ	NABD
720	126.6	NABUB	NABU	NABDN	NABD
721	126.7	NABUC	NABU	NABDO	NABD
722	126.7	NABUD	NABU	NABDP	NABD
723	126.7	NABUE	NABU	NABDQ	NABD
724	127.3	EUAUB	EUAU	NABDN	NABD
725	127.4	EUAUC	EUAU	NABDO	NABD
726	127.4	EUAUD	EUAU	NABDP	NABD
727	127.4	EUAUE	EUAU	NABDQ	NABD
728	127.3	EUBUB	EUBU	NABDN	NABD
729	127.4	EUBUC	EUBU	NABDO	NABD
730	127.4	EUBUD	EUBU	NABDP	NABD
731	127.4	EUBUE	EUBU	NABDQ	NABD
732	126.9	CAAUB	CAAU	NABDN	NABD
733	126.9	CAUUC	CAAU	NABDO	NABD
734	126.9	CAAUD	CAAU	NABDP	NABD
735	127	CAAUE	CAAU	NABDQ	NABD

736	127.3	WAAUB	WAAU	NABDN	NABD
737	127.3	WAAUC	WAAU	NABDO	NABD
738	127.4	WAAUD	WAAU	NABDP	NABD
739	127.4	WAAUE	WAAU	NABDQ	NABD
740	127.1	SCAUB	SCAU	NABDN	NABD
741	127.1	SCAUC	SCAU	NABDO	NABD
742	127.1	SCAUD	SCAU	NABDP	NABD
743	127.2	SCAUE	SCAU	NABDQ	NABD
744	127.1	SAAUB	SAAU	NABDN	NABD
745	127.2	SAAUC	SAAU	NABDO	NABD
746	127.2	SAAUD	SAAU	NABDP	NABD
747	127.2	SAAUE	SAAU	NABDQ	NABD
748	124.3	ENaub	ENAU	NABDN	NABD
749	124.3	ENAUc	ENAU	NABDO	NABD
750	124.3	ENAUd	ENAU	NABDP	NABD
751	124.4	ENAUe	ENAU	NABDQ	NABD
752	126.8	WHAUC	WHAU	NABDN	NABD
753	126.9	WHAUD	WHAU	NABDO	NABD
754	127	WHAUE	WHAU	NABDP	NABD
755	127.1	WHAUF	WHAU	NABDQ	NABD
756	126.8	EHAUC	EHAU	NABDN	NABD
757	126.8	EHAUD	EHAU	NABDO	NABD
758	126.9	EHAUE	EHAU	NABDP	NABD
759	127	EHAUF	EHAU	NABDQ	NABD
760	126.8	NAAUF	NAAU	NABDR	NABD
761	126.8	NAAUG	NAAU	NABDS	NABD
762	126.8	NAAUH	NAAU	NABDT	NABD
763	126.8	NABUF	NABU	NABDR	NABD
764	126.8	NABUG	NABU	NABDS	NABD
765	126.8	NABUH	NABU	NABDT	NABD
766	127.5	EUAUF	EUAU	NABDR	NABD
767	127.5	EUAUG	EUAU	NABDS	NABD
768	127.5	EUAUH	EUAU	NABDT	NABD
769	127.5	EUBUF	EUBU	NABDR	NABD
770	127.5	EUBUG	EUBU	NABDS	NABD
771	127.5	EUBUH	EUBU	NABDT	NABD
772	127	CAAUF	CAAU	NABDR	NABD
773	127	CAAUG	CAAU	NABDS	NABD
774	127.1	CAAUH	CAAU	NABDT	NABD

775	127.4	WAAUF	WAAU	NABDR	NABD
776	127.5	WAAUG	WAAU	NABDS	NABD
777	127.5	WAAUH	WAAU	NABDT	NABD
778	127.2	SCAUF	SCAU	NABDR	NABD
779	127.2	SCAUG	SCAU	NABDS	NABD
780	127.3	SCAUH	SCAU	NABDT	NABD
781	127.3	SAAUF	SAAU	NABDR	NABD
782	127.3	SAAUG	SAAU	NABDS	NABD
783	127.3	SAAUH	SAAU	NABDT	NABD
784	124.4	ENAU	ENAU	NABDR	NABD
785	124.4	ENAU	ENAU	NABDS	NABD
786	124.5	ENAUH	ENAU	NABDT	NABD
787				TM1	TLM
788				TM2	TLM
789		CM1	CMD		
790		CM2	CMD		
791				BNC1	BNC
792				BNK1	BNK
793				BNK2	BNK
381	127.7	WAAUC	WAAU	EUBDK	EUBD
382	127.8	WAAUD	WAAU	EUBDL	EUBD
383	127.5	SCAUB	SCAU	EUBDJ	EUBD
384	127.5	SCAUC	SCAU	EUBDK	EUBD
385	127.5	SCAUD	SCAU	EUBDL	EUBD
386	127.5	SAAUB	SAAU	EUBDJ	EUBD
387	127.6	SAAUC	SAAU	EUBDK	EUBD
388	127.6	SAAUD	SAAU	EUBDL	EUBD
389	124.7	ENAU	ENAU	EUBDJ	EUBD
390	124.7	ENAU	ENAU	EUBDK	EUBD
391	124.7	ENAU	ENAU	EUBDL	EUBD
392	126.3	NAAUB	NAAU	WAADB	WAAD
393	126.3	NAAUC	NAAU	WAADC	WAAD
394	126.4	NAAUD	NAAU	WAADD	WAAD
395	126.3	NABUB	NABU	WAADB	WAAD
396	126.3	NABUC	NABU	WAADC	WAAD
397	126.4	NABUD	NABU	WAADD	WAAD
398	127	EUAUB	EUAU	WAADB	WAAD
399	127	EUAUC	EUAU	WAADC	WAAD
400	127.1	EUAUD	EUAU	WAADD	WAAD

401	127	EUBUB	EUBU	WAADB	WAAD
402	127	EUBUC	EUBU	WAADC	WAAD
403	127.1	EUBUD	EUBU	WAADD	WAAD
404	126.5	CAaub	CAAU	WAADB	WAAD
405	126.6	CAaUC	CAAU	WAADC	WAAD
406	126.6	CAaUD	CAAU	WAADD	WAAD
407	127	WAAUB	WAAU	WAADB	WAAD
408	127	WAAUC	WAAU	WAADC	WAAD
409	127	WAAUD	WAAU	WAADD	WAAD
410	126.7	SCaUB	SCAU	WAADB	WAAD
411	126.8	SCaUC	SCAU	WAADC	WAAD
412	126.8	SCaUD	SCAU	WAADD	WAAD
413	126.8	SAAUB	SAAU	WAADB	WAAD
414	126.8	SAAUC	SAAU	WAADC	WAAD
415	126.9	SAAUD	SAAU	WAADD	WAAD
416	123.9	ENaUB	ENAU	WAADB	WAAD
417	124	ENaUC	ENAU	WAADC	WAAD
418	124	ENaUD	ENAU	WAADD	WAAD
419	126.5	NAAUE	NAAU	SAADE	SAAD
420	126.5	NAAUF	NAAU	SAADF	SAAD
421	126.6	NAAUG	NAAU	SAADG	SAAD
422	126.6	NAAUH	NAAU	SAADH	SAAD

FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

Page 7: Digital Modulation

S11. DIGITAL MODULATION PARAMETERS For each digital emission provide:

(a) Digital Mod. ID	(b) Emission Designator	(c) Assigned Bandwidth (kHz)	(d) No. of Phases	(e) Uncoded Data Rate (kbps)	(f) FEC Error Correction Coding Rate	(g) CDMA Processing Gain (dB)	(h) Total C/N Performance Objective (dB)	(i) Single Entry C/I Objective (dB)
D1	346KG7W	346	4	256	0.5		6	18.2
D2	461KG7W	461	4	512	0.75		9.3	21.5
D3	1M84G7W	1840	4	2048	0.75		9.3	21.5
D4	8M25G7W	8250	4	8448	0.692		6.9	19.1
D5	54M0G7W	54000	4	62200	0.692		6.9	19.1
D6	72M0G7W	72000	8	155000	0.816		12.7	24.9

Page 8: Analog Modulation

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FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)

Page 9: Typical Emissions

S13. TYPICAL EMISSIONS For each planned type of emission provide:

Associated Transponder ID Range		Modulation ID		(e) Carriers per Transponder	(f) Carrier Spacing (kHz)	(g) Noise Budget Reference (Table No.)	(h) Energy Dispersal Bandwidth (kHz)	Receive Band (Assoc. Transmit Stn)			Transmit Band (This Space Station)			
		(c) Digital (Table S11)	(d) Analog (Table S12)					(i) Assoc. Stn. Max. Antenna Gain (dBi)	Assoc. Station Transmit Power (dBW)		EIRP (dBW)		(n) Max. Power Flux Density (dBW/m ² /Hz)	(o) Assoc. Stn Rec. G/T (dB/K)
(a) Start	(b) End								(j) Min.	(k) Max.	(l) Min.	(m) Max.		
1	786	D1		208	346	HEMI_HEMI 72		45.3	2.1	4.8	10.6	13.7	-167	21.8
1	786	D2		144	500	HEMI_HEMI 72		45.3	4	6.7	12.4	15.5	-166.4	25.2
1	786	D3		37	1945	HEMI_HEMI 72		45.3	9.8	12.5	18.3	21.4	-166.6	25.2
1	786	D4		7	10285	HEMI_HEMI 72		45.3	16.6	19.3	25.1	28.2	-166.3	21.8
1	786	D6		1		HEMI_HEMI 72		53	22.9	25.6	37	40.1	-164.5	27.4
1	786	D1		156	346	HEMI_HEMI 54		45.7	1.7	4.4	10.6	13.7	-167	22.4
1	786	D2		96	562	HEMI_HEMI 54		49.3	1.7	4.4	14.1	17.2	-164.7	23.8
1	786	D3		25	2160	HEMI_HEMI 54		47.4	9.4	12.1	19.9	23	-164.9	23.8
1	786	D4		6	9000	HEMI_HEMI 54		45.7	16.2	18.9	25.1	28.2	-166.3	22.4
1	786	D5		1		HEMI_HEMI 54		51.5	22.7	25.4	35.4	38.5	-164.6	22.4
1	786	D1		150	360	NA_HEMI 54 M		52.9	-2.7	2.6	12.2	15.3	-165.4	22.4
1	786	D2		73	739	NA_HEMI 54 M		54.6	-1.3	4	15.3	18.4	-163.5	23.8
1	786	D3		26	2076	NA_HEMI 54 M		52.9	4.8	10.1	19.7	22.8	-165.2	25.7
1	786	D4		6	9000	NA_HEMI 54 M		52.9	10.8	16.1	25.7	28.8	-165.6	23.8
1	786	D5		1		NA_HEMI 54 M		54.6	20.8	26.1	36.4	39.5	-163.6	22.4
1	786	D1		150	360	EU_HEMI 54 M		52.9	-4.4	2.2	12.2	15.3	-165.3	22.4
1	786	D2		72	750	EU_HEMI 54 M		54.6	-3	3.6	15.4	18.5	-163.5	23.8
1	786	D3		26	2076	EU_HEMI 54 M		52.9	3.1	9.7	19.8	22.9	-165.1	25.7
1	786	D4		6	9000	EU_HEMI 54 M		52.9	9.2	15.8	25.8	28.9	-165.5	23.8
1	786	D5		1		EU_HEMI 54 M		54.6	19.1	25.7	36.4	39.5	-163.6	22.4
1	786	D1		150	360	CA_HEMI 54 M		52.9	-4	3.1	12.2	15.3	-165.4	22.4
1	786	D2		72	750	CA_HEMI 54 M		54.6	-2.5	4.9	15.4	18.5	-163.5	23.8
1	786	D3		26	2076	CA_HEMI 54 M		52.9	3.6	10.7	19.7	22.8	-165.1	25.7
1	786	D4		6	9000	CA_HEMI 54 M		52.9	9.6	16.7	25.8	28.9	-165.6	23.8
1	786	D5		1		CA_HEMI 54 M		56.5	18.6	25.7	36.4	39.5	-163.7	22.4
1	786	D1		135	400	WA_HEMI 54		52.9	-3.8	3.9	12.7	15.8	-164.9	22.4
1	786	D2		96	562	WA_HEMI 54		54.6	-4	3.7	14.2	17.3	-164.6	25.7
1	786	D3		28	1928	WA_HEMI 54		52.9	3	10.7	19.5	22.6	-165.4	26.8
1	786	D4		5	10800	WA_HEMI 54		52.9	9.8	17.5	26.2	29.3	-165.1	23.8

1	786	D5		1		WA_HEMI 54		56.5	18.2	25.9	36.3	39.4	-163.7	22.4
1	786	D1		145	372	SC_HEMI 54 M		52.9	-3.8	0.7	12.3	15.4	-165.2	22.4
1	786	D2		71	760	SC_HEMI 54 M		52.9	-0.7	3.8	15.5	18.6	-163.3	23.8
1	786	D3		25	2160	SC_HEMI 54 M		52.9	3.8	8.3	19.9	23	-164.9	25.7
1	786	D4		6	9000	SC_HEMI 54 M		52.9	9.8	14.3	25.9	29	-165.4	23.8
1	786	D5		1		SC_HEMI 54 M		54.6	21.5	26	36.4	39.5	-163.7	22.4
1	786	D1		145	372	SA_HEMI 54 M		52.9	-4.7	1.8	12.3	15.4	-165.2	22.4
1	786	D2		70	771	SA_HEMI 54 M		52.9	-1.5	5	15.5	18.6	-163.3	23.8
1	786	D3		24	2250	SA_HEMI 54 M		52.9	3	9.5	20	23.1	-164.8	25.7
1	786	D4		6	9000	SA_HEMI 54 M		52.9	9	15.5	26	29.1	-165.4	23.8
1	786	D5		1		SA_HEMI 54 M		56.5	18.7	25.2	36.4	39.5	-163.6	22.4
1	786	D1		156	346	GLB_HEMI 54		47.6	3	6	11.3	14.4	-166.2	22.6
1	786	D2		93	580	GLB_HEMI 54		49.5	4.1	7.1	14.3	17.4	-164.5	24.1
1	786	D3		25	2160	GLB_HEMI 54		47.6	11.6	14.6	19.9	23	-164.9	24.1
1	786	D4		6	9000	GLB_HEMI 54		49.5	15.4	18.4	25.7	28.8	-165.7	22.6
1	786	D5		1		GLB_HEMI 54		55.4	21.1	24.1	35.3	38.4	-164.7	22.6
1	786	D1		94	574	HEMI_GLB 54		47.6	0.6	3.3	10.3	13.3	-167	22.6
1	786	D2		60	900	HEMI_GLB 54		50.5	-0.4	2.3	12.3	15.3	-166.4	26
1	786	D3		15	3600	HEMI_GLB 54		49.5	6.6	9.3	18.3	21.33	-166.4	26
1	786	D4		4	13500	HEMI_GLB 54		49.5	12.2	14.9	23.9	26.9	-167.3	24.1
1	786	D5		1		HEMI_GLB 54		55.4	20.5	23.2	33.1	36.1	-166.7	22.6
1	786	D1		117	461	GLB_GLB 54 M		47.6	4	7	9.4	12.4	-168	22.6
1	786	D2		80	675	GLB_GLB 54 M		50.5	2.6	5.6	11	14	-167.6	26
1	786	D3		20	2700	GLB_GLB 54 M		49.5	9.7	12.7	17	20	-167.6	26
1	786	D4		5	10800	GLB_GLB 54 M		49.5	15.5	18.5	22.9	25.9	-168.3	24.1
1	786	D5		1		GLB_GLB 54 M		55.4	21.8	24.8	33	36	-166.8	22.6
1	786	D1		208	346	ZONE_HEMI 7		45.3	-0.6	3.2	10.5	13.6	-167.1	21.8
1	786	D2		141	510	ZONE_HEMI 7		45.3	1.4	5.2	12.5	15.6	-166.3	25.2
1	786	D3		35	2057	ZONE_HEMI 7		45.3	7.4	11.2	18.5	21.6	-166.3	25.2
1	786	D4		8	9000	ZONE_HEMI 7		45.3	13.9	17.7	25	28.1	-166.3	21.8
1	786	D6		1		ZONE_HEMI 7		51.2	24	27.8	36.9	40	-164.6	26.2
1	786	D1		156	346	ZONE_HEMI 5		45.7	0.4	4.2	11.9	15	-165.7	20.3
1	786	D2		110	490	ZONE_HEMI 5		45.7	2.1	5.9	13.6	16.7	-165.2	23.8
1	786	D3		28	1928	ZONE_HEMI 5		45.7	7.9	11.7	19.4	22.5	-165.4	23.8
1	786	D4		5	10800	ZONE_HEMI 5		45.7	14.9	18.7	26.4	29.5	-165	20.3
1	786	D5		1		ZONE_HEMI 5		50.3	22.4	26.2	36.6	39.7	-163.5	20.3
1	786	D1		208	346	HEMI_ZONE 7		45.3	2.8	5.5	13.2	18	-162.7	19.8
1	786	D2		156	461	HEMI_ZONE 7		45.3	4	6.7	14.4	19.2	-162.7	23.3
1	786	D3		39	1846	HEMI_ZONE 7		45.3	10.1	12.8	20.5	25.3	-162.7	23.3

1	786	D4		8	9000	HEMI_ZONE 7		45.3	16.6	19.3	27	31.8	-162.7	19.8
1	786	D6		1		HEMI_ZONE 7		49	26.2	28.9	37.2	42	-162.6	26.2
1	786	D1		156	346	HEMI_ZONE 5		45.7	2.4	5.1	13.2	18	-162.7	20.3
1	786	D2		117	461	HEMI_ZONE 5		45.7	3.7	6.4	14.5	19.3	-162.6	23.8
1	786	D3		29	1862	HEMI_ZONE 5		45.7	9.8	12.5	20.5	25.3	-162.6	23.8
1	786	D4		6	9000	HEMI_ZONE 5		45.7	16.2	18.9	27	31.8	-162.6	20.3
1	786	D5		1		HEMI_ZONE 5		49.3	23.2	25.9	35.6	40.4	-162.7	20.3
1	786	D1		208	346	ZONE_ZONE 7		45.3	0.3	4.1	13.3	18.1	-162.6	19.8
1	786	D2		156	461	ZONE_ZONE 7		45.3	1.5	5.3	14.5	19.3	-162.6	23.3
1	786	D3		39	1846	ZONE_ZONE 7		45.3	7.5	11.3	20.5	25.3	-162.6	23.3
1	786	D4		8	9000	ZONE_ZONE 7		45.3	14.1	17.9	27.1	31.9	-162.6	19.8
1	786	D6		1		ZONE_ZONE 7		47	25.5	29.3	37.2	42	-162.6	26.2
1	786	D1		156	346	ZONE_ZONE 5		45.7	-0.1	3.7	13.3	18.1	-162.6	20.3
1	786	D2		117	461	ZONE_ZONE 5		45.7	1.1	4.9	14.5	19.3	-162.6	23.8
1	786	D3		29	1862	ZONE_ZONE 5		45.7	7.1	10.9	20.5	25.3	-162.6	23.8
1	786	D4		6	9000	ZONE_ZONE 5		45.7	13.7	17.5	27.1	31.9	-162.6	20.3
1	786	D5		1		ZONE_ZONE 5		47.4	23.6	27.4	35.7	40.5	-162.6	20.3
1	786	D1		156	346	GLB_ZONE 54		45.9	3.1	6.1	13.1	17.9	-162.7	20.7
1	786	D2		117	461	GLB_ZONE 54		45.9	4.5	7.5	14.5	19.3	-162.6	24.2
1	786	D3		29	1862	GLB_ZONE 54		45.9	10.5	13.5	20.5	25.3	-162.6	24.2
1	786	D4		6	9000	GLB_ZONE 54		45.9	16.7	19.7	26.7	31.5	-162.9	20.7
1	786	D5		1		GLB_ZONE 54		50.6	23	26	35.7	40.5	-162.6	20.7
1	786	D1		110	490	ZONE_GLB 54		50.5	1.3	5.1	9.7	12.7	-167.7	22.6
1	786	D2		76	710	ZONE_GLB 54		50.5	2.9	6.7	11.2	14.2	-167.4	26
1	786	D3		19	2842	ZONE_GLB 54		50.5	8.9	12.7	17.3	20.3	-167.4	26
1	786	D4		4	13500	ZONE_GLB 54		49.5	15.7	19.5	23.1	26.1	-168	24.1
1	786	D5		1		ZONE_GLB 54		55.4	21.8	25.6	33	36	-166.8	22.6
1	786	D1		120	450	NA_EU 54 MHz		52.9	-3.7	1.6	22.2	28	-152.6	27.3
1	786	D2		88	613	NA_EU 54 MHz		54.6	-4	1.3	23.5	29.3	-152.5	32.8
1	786	D3		26	2076	NA_EU 54 MHz		52.9	2.9	8.2	28.8	34.6	-153.3	34.7
1	786	D4		5	10800	NA_EU 54 MHz		52.9	9.7	15	35.6	41.4	-153	29.3
1	786	D5		1		NA_EU 54 MHz		52.9	20.9	26.2	44.7	50.5	-152.5	24.8
1	786	D1		135	400	NA_WA 54 MH		52.9	-1.2	4.1	23.6	26.8	-153.7	24.8
1	786	D2		117	461	NA_WA 54 MH		52.9	-0.9	4.4	24	27.2	-154.6	31.3
1	786	D3		29	1862	NA_WA 54 MH		52.9	4.4	9.7	29.3	32.5	-155.3	32.8
1	786	D4		6	9000	NA_WA 54 MH		52.9	11.6	16.9	36.4	39.6	-154.7	27.3
1	786	D5		1		NA_WA 54 MH		52.9	20.5	25.8	47.3	50.5	-152.5	21.3
1	786	D1		105	514	NA_SA 54 MHz		54.6	-1.8	3.5	25.7	28	-152.5	21.3
1	786	D2		112	482	NA_SA 54 MHz		52.9	-0.4	4.9	25.5	27.8	-154	29.3

1	786	D3		29	1862	NA_SA 54 MHz		52.9	5.5	10.8	31.3	33.6	-154.2	29.3
1	786	D4		6	9000	NA_SA 54 MHz		52.9	12.1	17.4	37.9	40.2	-154.1	24.8
1	786	D5		1		NA_SA 54 MHz		52.9	20.5	25.8	47.3	50.5	-152.5	21.3
1	786	D1		91	593	NA_SC 54 MHz		54.6	-4.2	1.1	20.3	27.9	-152.6	27.9
1	786	D2		76	710	NA_SC 54 MHz		52.9	-1.7	3.6	21.1	28.7	-153.1	33.3
1	786	D3		19	2842	NA_SC 54 MHz		52.9	4.3	9.6	27.2	34.8	-153.1	33.3
1	786	D4		6	9000	NA_SC 54 MHz		52.9	9.3	14.6	32.1	39.7	-154.6	31.9
1	786	D5		1		NA_SC 54 MHz		57.5	20.3	25.6	42.8	50.4	-152.6	27.9
1	786	D1		103	524	NA_CA 54 MHz		54.6	-4.7	0.6	22.9	27.6	-153.8	25.4
1	786	D2		71	760	NA_CA 54 MHz		52.9	-1.4	3.9	24.4	29.1	-153.5	29.8
1	786	D3		17	3176	NA_CA 54 MHz		52.9	4.6	9.9	30.5	35.2	-153.5	29.8
1	786	D4		5	10800	NA_CA 54 MHz		52.9	9.9	15.2	35.8	40.5	-154.7	27.9
1	786	D5		1		NA_CA 54 MHz		54.6	20.6	25.9	45.2	49.9	-153.9	25.4
1	786	D1		138	391	NA_NA 54 MHz		54.6	-4.1	1.2	23.5	27.3	-153.2	25.4
1	786	D2		103	524	NA_NA 54 MHz		52.9	-1.1	4.2	24.8	28.6	-153.2	29.8
1	786	D3		26	2076	NA_NA 54 MHz		52.9	4.9	10.2	30.8	34.6	-153.2	29.8
1	786	D4		4	13500	NA_NA 54 MHz		52.9	12.2	17.5	38	41.8	-152.5	25.4
1	786	D5		1		NA_NA 54 MHz		54.6	21.1	26.4	46.7	50.5	-152.5	23.8
1	786	D1		117	461	EU_NA 54 MHz		56.5	-3.3	3.3	24.3	28.1	-152.5	21.9
1	786	D2		117	461	EU_NA 54 MHz		54.6	-1.8	4.8	23.9	27.7	-154.1	27.9
1	786	D3		29	1862	EU_NA 54 MHz		54.6	4.4	11	30	33.8	-154	27.9
1	786	D4		5	10800	EU_NA 54 MHz		56.5	10.4	17	38	41.8	-152.6	23.8
1	786	D5		1		EU_NA 54 MHz		56.5	16.1	22.7	46.7	50.5	-152.5	23.8
1	786	D1		117	461	CA_NA 54 MHz		56.5	-3.5	3.6	24.3	28.1	-152.5	21.9
1	786	D2		117	461	CA_NA 54 MHz		54.6	-1.9	5.2	23.9	27.7	-154.1	27.9
1	786	D3		29	1862	CA_NA 54 MHz		54.6	4.2	11.3	30.1	33.9	-154	27.9
1	786	D4		5	10800	CA_NA 54 MHz		56.5	10.2	17.3	38	41.8	-152.6	23.8
1	786	D5		1		CA_NA 54 MHz		58.7	18.6	25.7	46.6	50.4	-152.6	23.8
1	786	D1		120	450	WA_NA 54 MH		56.5	-5.9	1.8	24.2	28	-152.6	21.9
1	786	D2		117	461	WA_NA 54 MH		54.6	-4.1	3.6	24.1	27.9	-154	27.9
1	786	D3		29	1862	WA_NA 54 MH		54.6	2	9.7	30.2	34	-153.8	27.9
1	786	D4		4	13500	WA_NA 54 MH		56.5	8	15.7	38	41.8	-152.5	23.8
1	786	D5		1		WA_NA 54 MH		56.5	18.5	26.2	46.6	50.4	-152.6	23.8
1	786	D1		117	461	SC_NA 54 MHz		56.5	-3.9	2.6	24.3	28.1	-152.5	21.9
1	786	D2		117	461	SC_NA 54 MHz		54.6	-2.1	4.4	24.3	28.1	-153.7	27.9
1	786	D3		29	1862	SC_NA 54 MHz		54.6	4	10.5	30.3	34.1	-153.7	27.9
1	786	D4		5	10800	SC_NA 54 MHz		56.5	9.7	16.2	38	41.8	-152.5	23.8
1	786	D5		1		SC_NA 54 MHz		54.6	20.1	26.6	46.4	50.2	-152.8	23.8
1	786	D1		120	450	SA_NA 54 MHz		54.6	-3.5	3	24.2	28	-152.5	21.9

1	786	D2		117	461	SA_NA 54 MHz		52.9	-1.7	4.8	24.2	28	-153.8	27.9
1	786	D3		28	1928	SA_NA 54 MHz		52.9	4.4	10.9	30.4	34.2	-153.6	27.9
1	786	D4		4	13500	SA_NA 54 MHz		56.5	8.5	15	38.1	41.9	-152.5	23.8
1	786	D5		1		SA_NA 54 MHz		54.6	19	25.5	46.6	50.4	-152.6	23.8
1	786	D1		117	461	HEMI_NA 54 M		47.4	2.8	5.5	24.2	28	-152.5	21.9
1	786	D2		103	524	HEMI_NA 54 M		47.4	3.3	6	24.8	28.6	-153.2	27.9
1	786	D3		25	2160	HEMI_NA 54 M		47.4	9.5	12.2	31	34.8	-153.1	27.9
1	786	D4		5	10800	HEMI_NA 54 M		47.4	16.5	19.2	38	41.8	-152.6	23.8
1	786	D5		1		HEMI_NA 54 M		49.3	25.1	27.8	46.5	50.3	-152.8	23.8
787	788		TTC2	1		TELEMETRY.p					5	9	-174.1	34.3
789	790		TTC1	1		TELECOMMAN		59.9	20.1	23.1				
791	791		TTC3	1		BEACON_C.pdf					4	8	-162.1	27.1
792	793		TTC3	1		BEACON_KU.p					5	9	-161.1	38.4

**FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)**

Page 10: TT and C

S14. Is the space station(s) controlled and monitored remotely? If Yes, provide the location and telephone number of the TT and C control point(s): Yes

Remote Control (TT C) Location(s):

S14a: Street Address: Manassas Teleport			
S14b. City: Bristow	S14c. County:	S14d. State/Country VA	S14e. Zip Code: 20136
S14f. Telephone Number: +1 703 367 7300		S14g. Call Sign of Control Station (if appropriate):	

Remote Control (TT C) Location(s):

S14a: Street Address: Arqiva Teleport			
S14b. City: London	S14c. County:	S14d. State/Country	S14e. Zip Code: SL 9 8TW
S14f. Telephone Number: +44 1494 878787		S14g. Call Sign of Control Station (if appropriate):	

**FEDERAL COMMUNICATIONS COMMISSION
SATELLITE SPACE STATION AUTHORIZATIONS
FCC Form 312 - Schedule S: (Technical and Operational Description)**

**Page 11:
Characteristics and
Certifications**

S15. SPACECRAFT PHYSICAL CHARACTERISTICS:

S15a. Mass of spacecraft without fuel (kg): 2384.8	Spacecraft Dimensions (meters)	Probability of Survival to End of Life (0.0 - 1.0)
S15b. Mass of fuel and disposables at launch (kg): 2315.4		
S15c. Mass of spacecraft and fuel at launch (kg): 4700.3	S15f. Length (m): 22.3	S15i. Payload: 0.88
S15d. Mass of fuel, in orbit, at beginning of life (kg): 500.1	S15g. Width (m): 1.9	S15j. Bus: 0.82
S15e. Deployed Area of Solar Array (square meters): 74	S15h. Height (m): 6	S15k. Total: 0.72

S16. SPACECRAFT ELECTRICAL CHARACTERISTICS:

Spacecraft Subsystem	Electrical Power (Watts) At Beginning of Life		Electrical Power (Watts) At End of Life	
	At Equinox	At Solstice	At Equinox	At Solstice
Payload (Watts):	(a): 9054	(f): 9054	(k): 9054	(p): 9054
Bus (Watts):	(b): 970	(g): 672	(l): 757	(q): 672
Total (Watts):	(c): 10024	(h): 9726	(m): 9811	(r): 9726
Solar Array (Watts):	(d): 13280	(i): 11769	(n): 11193	(s): 10011
Depth of Battery Discharge (%):	(e) 75 %	(j) %	(o) 75 %	(t) %

S17. CERTIFICATIONS:

a. Are the power flux density limits of § 25.208 met?:	☒ YES	☐ NO	☐ N/A
b. Are the appropriate service area coverage requirements of § 25.143(b)(ii) and (iii), or § 25.145(c)(1) and (2) met?	☐ YES	☐ NO	☒ N/A
c. Are the frequency tolerances of § 25.202(e) and the out-of-band emission limits of § 25.202(f)(1), (2) and (3) met?	☒ YES	☐ NO	☐ N/A

In addition to the information required in this Form, the space station applicant is required to provide all the information specified in Section 25.114 of the Commission's rules, 47 C.F.R. § 25.114.