EARTH 1
VE11 NIMS OBSERVATIONS

EARTH C/A (EEE) = 90-342/20:34:11.00

NOTE: * GMT = PST + 8 Hours.
***For the moon: East, Longitude and Location is for sub-spacecraft point*

OBJECT	OAPEL NAME	TIME START	TIME END	DURATION HH:MM:SS	LAT (deg)	W. LONG (deg)	PHASE ANGLE (deg)	CONE ANGLE (deg)	NIMS RESOLUTION IFOV (km)	LOCATION	COMMENTS	PICNO	SSI Filter
		Saturday	**Dec. 8**										
☆	HNDARK-O1	90-342/03:34:09 friday 07:35pmPST	90-324/03:44:09 friday 07:45pm PST	~00:10:00									
☽	E1LNCALIN-01	90-342/03:44:09 EEE-000/16:49:44 friday 7:44pmPST	90-342/05:39:52 EEE-000/14:54:01 friday 9:40pm PST	01:55:43	-7.87	280.76	148.7 144.3	31.31	274	Mare Smythii - Kästner crater	Long map, gain state=1 (30 microrad/sec, 408 wavelength, 0.7- 5.2 microns)		
☽	E1LNCALIN-02	90-342/08:05:47 EEE-000/12:28:09 sat 00:05amPST	90-342/10:03:18 EEE-000/10:30:38 sat 02:03am PST	01:57:31	-6.16	294.35	136.6 133.2	41.42	276	Mare Fecunditatis N. Langrenus crater	Long map, gain state=1		
☽	E1LNFIN-03* 2	90-342/11:15:44 EEE-000/09:18:21 sat 03:15amPST	90-342/12:16:08 EEE-000/08:17:57 sat 04:16am PST	01:00:24	-5.58	304.60	128.1 122.0	51.94	207	Mare Fecunditatis Messier crater	Full map, gain state=1 (60 microrad/sec, 204 wavelengths). Two (2) frames support imaging.	E1L0090 E1L0092	CLR
☽	E1LNFIN-04	90-342/13:55:45 EEE-000/06:38:18 sat 05:55amPST	90-342/15:09:29 EEE-000/05:24:34 sat 07:09am PST	01:13:44	0.77	317.47	118.0 111.0	61.95	194	S. MareTranquilitatis Censorinus crater	Full map, gain state=1		
☽	E1LNLTIN-05*3	90-342/16:22:25 EEE-000/04:11:24 sat 08:22amPST	90-342/17:21:56 EEE-000/03:11:53 sat 09:21am PST	00:59:31	-0.69	329.61	107.5 96.0	72.46	188	N. Apollo II site	Moon C/A, Apollo II. Long map, gain state=1 Three (3) frames support imaging.	E1L0230 E1L0232 E1L0234	CLR
☽	E1LNLTIN-07*2	90-342/18:52:10 EEE-000/01:41:46 sat 10:52amPST	90-342/19:39:04 EEE-000/00:54:52 sat 11:39am PST	00:46:54	2.65	342.30	96.0 86.5	84.04	187	S. Rima Ariadaeus MareTranquilitatis / Mare Vaporium	Long map after terminator crossing.Two (2) frames support imaging.gain state=1.	E1L0310 E1L0312	CLR
⊕	E1WNMESON-01	90-342/20:03:10 sat 12:03pmPST	90-342/20:18:01 sat 12:18pm PST	00:14:51	27.0	313.20	166.6	13.40	5-10	Scans at equator over Indian Ocean and 70 N	Long spectrometer, gain state=4, (30-60 microrad/sec) , 12 frames support imaging	E1W0070 - E1W0091	CLR
⊕	E1WNMESOD-01	90-342/20:38:08 sat 12:38pmPST	90-342/20:56:29 sat 12:56pm PST	00:18:21	12.1	82.90	56.2	12.38	5-10	Equatorial scan over Pacific Ocean	Long spectrometer, gain state=4, (30-60 microrad/sec)		

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⊕	E1WNMESOD201	90-342/20:56:31 sat 12:56pmPST	90-342/21:16:10 sat 01:16pm PST	00:19:29	-18.9	131.30	4.1	175.90	5-10	45 and 70 S lat. over S.Pol Antartica/ S. Amer.	Long spectrometer, gain state=4, (30--60 microrad/sec), 22 frames support imaging	E1W0070 - E1W0091	4 colors
☽	E1LNLMOD-08*2	90-342/21:33:09 EEE+000/00:59:44 sat 01:33pmPST	90-342/21:49:09 EEE+000/01:15:44 sat 01:49pm PST	00:16:00	1.57	356.17	82.3	97.71	190	MareTranquilitatis -Simus Medii, Murchison crater	Long map, gain state=1. Two (2) frames support imaging.	E1L0350 E1L0351	GRN
⊕	E1WNAUSIE-01	90-342/22:16:10 sat 02:16pmPST	90-342/23:02:10 sat 03:02pm PST	00:46:00	-30.80	177.00	33.0	147.00	35	W. Australia/AliceSprings	Long map, gain state=1, (30 microrad/sec), 88 frames support imaging	E1W0150 - E1W0237	4 colors
⊕	E1WNAUSE-02	90-342/23:05:15 sat 03:05pm PST	90-342/23:32:27 sat 3:32pm PST	00:27:12	-31.80	190.00	25.5	154.50	50	E. Australia/Alice Springs	Long map, gain state=1, (30 microrad/sec). 52 frames support imaging	E1W0206 - E1W0311	4 colors
		Sunday	**Dec. 9**										
☽	E1LNLSOD-09	90-343/00:09:22 EEE+000/03:35:26 sat 04:09pmPST	90-343/00:24:46 EEE+000/03:50:50 sat 04:24pm PST	00:15:24	-1.57	10.13	70.9	109.14	175	Mare Insularum Sommering crater	Long map, gain state=1. Two (2) frames support imaging. E. Apollo 12 & 14 sites.	E1L0440 E1L0441	CLR
⊕	E1WNANTAR-01	90-343/00:59:09 sat 04:59pmPST	90-343/01:50:12 sat 05:50pm PST	00:51:03	-33.00	225.5	29.2	150.8	85	Scans parts of Antartica and S. Indian Ocean	Longmap, gain state =1, 30 microrads/ s 48 frames support imaging	E1W0350 - E1W0397	3 colors
⊕	E1WNANTAR-02	90-343/01:56:10 sat 05:56pmPST	90-343/02:40:04 sat 06:40pm PST	00:43:54	-33.20	237.5	29.9	150.1	100	Antartic landmass	Longmap, gain state =1, 30 microrad/ s 42 frames support imaging	E1W0420 - E1W0461	3 colors
☽	E1LNLIOD-10	90-343/03:23:41 EEE+000/06:49:33 sat 07:23pmPST	90-343/03:38:08 EEE+000/07:04:00 sat 07:38pm PST	00:14:27	-7.75	27.02	56.4	123.63	172	NW Montes Riphaeus-Mare Insularium	Long map, gain state=1.S. Apollo 12 site. Moon C/A, best NIMS lunar resolution. 4 frames support imaging.	E1L0540 E1L0541 E1L0542 E1L0543	CLR
⊕	E1WNGMOS-01	90-343/03:56:10 sat 07:56pmPST	90-343/04:24:08 sat 08:24pm PST	00:27:58	-33.40	271.0	30.8	149.2	125	Terminator 30 N - 30 S lat over Africa	Longmap, gain state =1, 30 microrad/ s 1 frame support imaging		
☽	E1LNLEOD-11	90-343/05:06:49 EEE+000/08:33:00 sat 09:06pmPST	90-343/05:21:41 EEE+000/08:47:52 sat 09:47pm PST	00:14:52	-10.04	36.12	48.9	131.11	176	Oceanus Procellarium Euclides crater	Long map, gain state=1.	E1W0490	RED

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⊕	E1WNGMOS-02	90-343/05:28:03 sat 09:28pmPST	90-343/06:05:55 sat 10:05pm PST	00:37:52	-33.50	294.0	31.3	148.7	155	Terminator over Africa	Longmap, gain state =1, 30 microrad/ s 1 frame support imaging	E1W0520	RED
⊕	E1WNGMOS-03	90-343/06:11:09 sat 10:11pmPST	90-343/06:18:14 sat 10:18pm PST	00:07:05	-33.60	305.7	31.5	148.5	160	Terminator over Europe and W. Africa	Longmap, gain state =1, 30 microrad/ s 1 frame support imaging	E1W0540	RED
☽	E1LNLPOD-12	90-343/07:34:26 EEE+000/11:00:37 sat 11:34pmPST	90-343/07:47:29 EEE+000/11:13:40 sat 11:13pm PST	00:13:03	-18.64	47.47	39.3	140.68	187	Oceanus Procellarium Hansteen & Billy crater	Long map, gain state=1.		
⊕	E1WNGMOS-05	90-343/07:48:09 sat 11:48pmPST	90-343/09:13:33 sunday 01:13am PST	01:25:24	-33.70	330.5	31.8	148.2	200	Terminator thru Mid Atlantic Ocean	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging	E1W0560	RED
⊕	E1WNGMOS-07	90-343/10:01:40 sunday 02:01amPST	90-343/11:03:35 sunday 03:03am PST	01:01:55	-33.70	4.40	32.2	147.8	235	Terminator thru S. America	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging	E1W0570	RED
☽	E1LNLROD-13	90-343/11:03:46 EEE+000/14:29:38 sunday 3:03am PST	90-343/11:28:55 EEE+000/14:54:47 sunday 3:28am PST	00:25:09	-16.47	62.04	29.0	150.98	209	N. Rima Sirsalis E. of Cruger crater	Long map, gain state=1	E1W0580	RED
⊕	E1WNGMOS-09	90-343/11:41:09 sunday 3:41am PST	90-343/12:16:37 sunday 04:16am PST	00:35:28	-33.8	29.7	32.4	147.6	260	Terminator thru C. America	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging	E1W0590	RED
⊕	E1WNGMOS-10	90-343/13:58:09 sunday 5:58am PST	90-343/17:24:49 sunday 09:24am PST	03:26:40	-33.8	53.1	32.6	147.4	315	Terminator thru East Pacific Ocean	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging		
✯	WHNDARK-02	90-343/17:25:10 sunday 9:25am PST	90-343/~17:35:10 sunday 09:35am PST	~00:10:00							2/3 Long map, gain state =1 1/3 Full map, gain state =1	E1L0790 E1L0792 E1L0794	GRN
☽	E1LNLFOO-14	90-343/18:05:22 EEE+000/21:32:16 sunday 10:05am PST	90-343/18:40:06 EEE+000/22:07:00 sunday 10:40am PST	00:34:44	-19.81	83.11	19.8	160.24	280	Mare Orientale S. Lacus Veris	Long & full map, gain state=1, Edge Mare Orientale	E1W0600	RED
⊕	E1WNGMOS-14	90-343/18:40:15 sunday 10:40am PST	90-343/20:34:21 sunday 12:34am PST	01:54:06	-33.9	134.70	33.0	147.00	380	Terminator thru W. Pacific Ocean	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging	E1W0650	RED

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⊕	E1WNGMOS-16	90-343/21:24:09 sunday 1:24pm PST	90-343/23:48:28 sunday 01:48pm PST	02:24:19	-33.9	176.10	33.2	146.80	415	Terminator near E. Australia	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging	E1L0800 E1L0811	GRN
☽	E1LNLOOD-15	90-343/23:49:09 EEE+001/03:15:02 sunday 3:49pm PST	90-344/00:03:29 EEE+001/03:29:22 sunday 04:03pm PST	00:14:20	-21.0	95.86	19.2	160.79	354	Center Mare Orientale	Long map, gain state=1. Hohmann crater; best Orientale resolution.	E1W0660	RED
⊕	E1WNGMOS-21	**Monday** 90-344/00:04:09 sunday 4:04pm PST	**Dec. 10** 90-344/00:44:09 sunday 04:44pm PST	00:40:00	-33.9	218.40	33.4	146.60	460	Terminator near SE Asia	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging	E1W0680	RED
⊕	E1WNGMOS-24	90-344/01:19:11 sunday 5:19pm PST	90-344/04:17:13 sunday 08:17pm PST	02:58:02	-33.9	227.30	33.4	146.60	495	Terminator near W. Africa	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging		
☆	E1WHNDARK-03	90-344/04:19:09 sunday 8:19pm PST	90-344/~04: 27:09 sunday 08:27pm PST	~00:08:00							Longmap, gain state =1	E1W0690	RED
☽	E1LNLOOD-16	90-344/04:27:08 EEE+001/07:53:14 sunday 8:27pm PST	90-344/04:44:33 EEE+001/08:10:39 sunday 08:44pm PST	00:17:25	-20.87	107.64	20.4	159.59	420	S. Mare Orientale	Long map, gain state=1, Golitsyn crater		
⊕	E1WNGMOS-30	90-344/04:47:09 sunday 8:47pm PST	90-344/05:18:51 sunday 09:18pm PST	00:31:42	-34.00	287.60	33.6	146.40	535	Terminator near Spain	Longmap, gain state =1, 30 microrad/ s, 1 frame support imaging		
☽	E1LNLOOD-18	90-344/12:10:16 EEE+001/15:36:11 mon 4:10am PST	90-344/12:40:46 EEE+001/16:06:41 monday 04:40am PST	00:30:30	-22.19	112.48	25.4	154.58	516	Mare Orientale	Long map, gain state=1. Lewis crater		
☽	E1LNLOOD-19	90-344/19:25:38 EEE+001/22:51:55 mon 11:25am PST	90-344/19:37:22 EEE+001/23:03:39 monday 11:37am PST	00:11:44	-20.92	119.13	27.8	152.16	630	Mare Orientale	Long map, gain state=1. Gerasimovich crater		

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		Wednesday	**Dec. 12**										
☆	NRCALA-02	90-346/21:01:47 wed 1:01pm PST	90-346/23:59:39 wed 03:59pm PST	01:58:52									
		Thrusday Dec 13											
☆	NRHTR 0I	90-347/09:02:18 thurs 01:01am PST	90-347/16:08:23 thurs 04:12pm PST	15:10:00									
☆	NNRCALA-03	90-347/15:59:16 thurs 7:59am PST	90-347/16:41:00 thurs 08:41am PST	00:39:44									
	NIMS Safe and Off	90-347/16:41:00 thurs 8:41am PST											