

Date	Time start	Time end	DOY	Orbit #	Description	Items of concern					Calculated DOY
						Instrument Power	SAR TX	LUT	Attitude	Calibration	
3/31/15	16:25	18:14	090	866.0	Instrument powered on, Tx enabled, Timing test LUT, radiometer high-rate data collection for 3 days	X	X	X			090 12/31/14
4/3/15	16:30	approx	093	908.0	SAR transmit disabled, LUT 38 RAD test, begin RFI survey, RFI-survey Science LUT		X	X			093
4/6/15			096		Radiometer bake out for 4 days (DOYs 096-100)	X					096
4/10/15	20:16		100	1013.5	Nadir bias adjustment				X		100
4/13/15	17:10		103	1055.5	SAR transmit enabled after RFI survey		X				103
4/13/15	18:39		103	1056.0	ALT1 Science LUT activated, index 9			X			103
4/14/15	16:48		104	1069.5	ATC set point reduced from 1.0 to 0.1 degree					X	104
4/16/15	17:10	17:35	106	1099.0	Orbit trim maneuver (OTM) #1 (17:20:00)				X		106
4/16/15	20:39		106	1101.5	Timing Test LUT			X			106
4/17/15	20:28		107	1116.0	Re-activated ALT1 Science LUT			X			107
4/17/15	20:29		107	1116.0	Radiometer begins 3 days of continuous high-rate data collection			X		X	107
4/20/15		20:38	110	1159.5	Radiometer high-rate collection ends			X		X	110
4/22/15	22:25		112	1190.0	Activated Timing Test LUT			X			112
4/23/15	16:58		113	1201.5	Cold Sky Calibration, 110 degrees				X	X	113
4/23/15	19:12		113	1203.0	Nadir bias adjustment				X	X	113
4/24/15	16:26		114	1215.5	Activate ALT1 Science LUT with freq index 5			X			114
4/29/15	17:05	17:13	119	1289.5	Activated N&S_AMERICA LUT			X			119
5/4/15	20:56	21:04	124	1365.0	Activated ALL_LAND LUT			X			124
5/6/15			126		Eclipse season begins					X	126
5/12/15	9:58		132	1475.0	SMAP enters safe mode (instruments off)	X					132
5/14/15	16:25	18:13	134	1509.5	Instruments turned back on	X	X				134
5/27/15	15:01	15:29	147	1697.5	Cold Sky Calibration, 110 degrees (15:10-15:16)				X	X	147
6/1/15	21:12:24		152	1774.5	Small LUT-sync offset of 6 seconds			X			152
6/15/15	18:13:30	18:15:38	166	1977.5	SAR transmit disabled, SAR RF/HPA powered down for FSW upgrade	X	X				166
6/16/15	13:46		167	1989.0	Radiometer powered down; Radar	X					167
6/17/15	20:17		168	2008.0	Radiometer powered on	X					168
6/17/15	21:51:30		168	2009.0	SAR transmit enabled	X	X				168
6/22/15	09:23	10:04	173	2074.5	Cold Sky Calibration, 180 degrees (09:38-09:48)				X	X	173
6/22/15			173		Maximum eclipse					X	173
6/30/15	14:36	15:04	181	2194.5	Cold Sky Calibration, 110 degrees (14:45-14:51)				X	X	181
7/7/15	16:52	17:00	188	2298.5	Activate Atlantic Hurricane LUT with rev_end and hstart/hstop corrections			X			188
7/7/15	21:16:12		188	2301.0	HPA power-off anomaly; SAR TX c	X	X			X	188
7/9/15	19:48	19:55	190	2329.5	Anomaly testing (preceded by pla	X		X			190
7/13/15	15:44	17:25	194	2385.5-2386.5	Power cycle radar, radiometer in C	X				X	194
7/13/15	19:48		194	2388.0	Radiometer reset to Science mode	X				X	194
7/14/15	16:21	19:36	195	2400.5-2402.5	Anomaly testing, RAD in diagnosti	X				X	195
7/16/15	17:26	17:29	197	2430.0	Anomaly testing, RAD in diagnosti	X				X	197
7/23/15	21:01	22:45	204	2535.0-2536.0	Anomaly testing, RAD in diagnosti	X				X	204
7/28/15	16:35	00:04	209-210	2605.0-2609.5	Anomaly testing, RAD in diagnosti	X				X	209
7/29/15	19:01:13		210	2621.5	Radar Receive-mode operation enabled			X			210
7/30/15	16:58	17:24	211	2635.0	Orbit Trim Maneuver (OTM) #2 (17:07:57)				X		211
8/4/15					Cold Sky Calibration, 110 degrees ()				X	X	216

