

# SSR Manager™



Orbit Logic's **SSR Manager™** automatically tracks and predicts the state of an onboard recorder and plans the downlink of image and telemetry files from the recorder based on the latest ground station contact schedule, confirmed activity plans and downlink confirmation status messages from the command system. No operator action is required since the SSR Manager performs all downlink planning and state tracking automatically.

The SSR Manager™ is used today to manage the onboard recorders and plan all downlinks for QuickBird-2 and WorldView-1, and will be used on the GeoEye-1 mission which launched in 2008. All current U.S. commercial imaging satellites use Orbit

Logic software for recorder management and downlink planning. SSR Manager™ can be configured to support any file based or linear/circular buffer type recorder for any satellite.

The SSR Manager™ GUI allows an operator to review and edit the latest SSR management plan, and notifies the operator if manual edits cause an SSR violation. A window within SSR Manager™ provides a tabular view of all events that impact SSR state including contact events and image record/download/protection and deletion events.

**Additional information about SSR Manager™ is located at [www.orbitlogic.com/products](http://www.orbitlogic.com/products).**

Group ID	Y/DL Order	Y	Tasking Priority	Y	Score	Y	Backhaul Priority	Y	Record Start	Y	Record Duration	Y	DLs Required	Y	Type	Y	File ID	Y
1000000019_1	1	180	15.915	00	2008-02-24T11:30:11.800Z	00:00:04.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	01		
1000000019_2	2	180	15.915	00	2008-02-24T11:30:12.800Z	00:00:04.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	02		
1000000019_3	3	180	15.915	00	2008-02-24T11:30:13.800Z	00:00:04.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	03			
1000000019_4	4	180	15.915	00	2008-02-24T11:30:14.800Z	00:00:04.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	04			
1000000019_5	5	180	17.889	00	2008-02-24T11:30:17.800Z	00:00:04.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	05			
1000000019_6	6	180	15.788	00	2008-02-24T11:31:08.800Z	00:00:00.200	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	06			
1000000019_7	7	180	15.788	00	2008-02-24T11:31:21.200Z	00:00:01.500	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	07			
1000000019_8	8	180	15.788	00	2008-02-24T11:31:48.800Z	00:00:01.800	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	08			
1000000019_9	9	180	15.915	00	2008-02-24T11:32:08.800Z	00:00:02.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	09			
1000000019_10	10	180	18.633	00	2008-02-24T11:32:34.400Z	00:00:02.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	10			
1000000019_11	11	180	15.788	00	2008-02-24T11:33:23.800Z	00:00:01.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	11			
1000000019_12	12	180	15.788	00	2008-02-24T11:33:29.200Z	00:00:01.200	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	12			
1000000019_13	13	180	15.788	00	2008-02-24T11:33:54.800Z	00:00:01.600	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	13			
1000000019_14	14	180	17.889	00	2008-02-24T11:34:17.400Z	00:00:00.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	14			
1000000019_15	15	180	15.915	00	2008-02-24T11:34:27.200Z	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	15			
1000000019_16	16	180	18.931	00	2008-02-24T11:34:37.800Z	00:00:00.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	16			
1000000019_17	17	180	18.931	00	2008-02-24T11:34:57.800Z	00:00:00.800	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	17			
1000000019_18	18	180	18.931	00	2008-02-24T11:35:07.800Z	00:00:01.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	18			
1000000019_19	19	180	15.915	00	2008-02-24T11:35:07.800Z	00:00:01.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	19			
1000000019_20	20	180	17.889	00	2008-02-24T11:35:18.200Z	00:00:02.400	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	00:00:00.000	Image	20			

Event Type	File ID	Download Contact ID	Download Plan ID	Image Index ID	Collection Plan ID	Status	Comment
UploadDownloadContact	PLD_VL_1000_ET_0						
UploadDownloadContact	PLD_VL_1000_ET_0						
DownloadPlan	PLD_VL_1000_ET_0	DL_PL_PLD_VL_1000_ET_0					
CollectionPlan		PLD_VL_1000_ET_0	CP_PL_PLD_VL_1000_ET_0				
File	01					AC_CD_PL_100000_0001	
File	02					AC_CD_PL_100000_0002	
File	03					AC_CD_PL_100000_0003	
File	04					AC_CD_PL_100000_0004	
File	05					AC_CD_PL_100000_0005	
Download	PLD_VL_1000_ET_0	DL_PL_PLD_VL_1000_ET_0	CP_PL_PLD_VL_1000_ET_0			AC_CD_PL_100000_0001	
Download	PLD_VL_1000_ET_0	DL_PL_PLD_VL_1000_ET_0	CP_PL_PLD_VL_1000_ET_0			AC_CD_PL_100000_0002	
Download	PLD_VL_1000_ET_0	DL_PL_PLD_VL_1000_ET_0	CP_PL_PLD_VL_1000_ET_0			AC_CD_PL_100000_0003	
Download	PLD_VL_1000_ET_0	DL_PL_PLD_VL_1000_ET_0	CP_PL_PLD_VL_1000_ET_0			AC_CD_PL_100000_0004	
Download	PLD_VL_1000_ET_0	DL_PL_PLD_VL_1000_ET_0	CP_PL_PLD_VL_1000_ET_0			AC_CD_PL_100000_0005	
DownloadContact	PLD_VL_1000_ET_0						

