S12 Rev 11 Ring/Saturn Egress Occultation
RSR Assignments, Configuration & Operations

Canberra (SPC-40)
RSR1A DSS-34 X
RSR1B DSS-34 K

RSR2A DSS-43 X
RSR2B DSS-43 S

Madrid (SPC-60)
RSR1A DSS-55 X
RSR1B DSS-55 K

RSR2A DSS-63 X
RSR2B DSS-63 S

- **All RSRs will be recording RCP**
- **VSRs at Canberra and Madrid will be used to record X-LCP and S-LCP at the 70-m antennas**

Fgain values must be set at beginning of recording
(use values that were used for Rev 10):
34-m
70-m

All 16 bit recordings.

Rsops2	
Left	**Right**
63X	55X
63S	55K

Rsops1	
Left	**Right**
43X	34X
43S	34K

Rsops3
VSRs

Laptop*	Laptop*
43X	63X
34K	55K
43S	63S

*** Via bconnect**

Subchannel Bandwidth Configuration

Canberra

	SPC 40	S	X		Ka
		43	43	34	34
Bandwidth	1	RSR2B1	RSR2A1	RSR1A1	RSR1B1
	16	RSR2B2	RSR2A2	RSR1A2	RSR1B2
	50	RSR2B3	RSR1A3	RSR1A3	RSR1B3
	100	RSR2B4	RSR1A4	RSR1A4	RSR1B4

Madrid

	SPC 60	S	X		Ka
		63	63S	55	55
Bandwidth	1	RSR2B1	RSR2A1	RSR1A1	RSR1B1
	16	RSR2B2	RSR2A2	RSR1A2	RSR1B2
	50	RSR2B3	RSR1A3	RSR1A3	RSR1B3
	100	RSR2B4	RSR1A4	RSR1A4	RSR1B4

Recording Times

Canberra

SPC 40		S	X		Ka
		43	43	34	34
Ingress	Begin				
	End				
Egress	Begin	05:05	05:05	05:05	05:05
	End	07:05	07:05	07:05	07:05

Madrid

SPC 60		S	X		Ka
		63	63	55	55
Ingress	Begin				
	End				
Egress	Begin	06:05	06:05	06:05	06:05
	End	08:05	08:05	08:05	08:05
Grav Enh	Begin	08:05	08:05	08:05	08:05
	End	11:05	11:05	11:05	11:05

1K and 16K recordings continue for gravity science enhancement

RSR Subchannel Bandwidth & File Size

Time 2.0

	SPC 40	S	X		Ka
		43	43	34	34
Bandwidth	1	28.8	28.8	28.8	28.8
	16	460.8	460.8	460.8	460.8
	50	1440	1440	1440	1440
	100	2880	2880	2880	2880
	Total	4810	4810	4810	4810

Canberra Total: 19238 MBytes

Time 5.0 for 1K and 16K, 2.0 for 50K and 100K

	SPC 60	S	X		Ka
		63	63	55	55
Bandwidth	1	72	72	72	72
	16	1152	1152	1152	1152
	50	1440	1440	1440	1440
	100	2880	2880	2880	2880
	Total	5544	5544	5544	5544

Madrid Total: 22176 MBytes

Grand Total: 41,414 MB