

Traceability Matrix, PPS Proposal Instructions

Appendix H: Rules for population of pointings/AperName

Requirement #	Proposal, Visit, Exposure	Comment
1. MIRI		
1.1 MIRI Imaging Template		
APH0001	802 1	FULL -> MIRIM_FULL_ILLCNTR
APH0002	802 2	BRIGHTSKY -> MIRIM_BRIGHTSKY_ILLCNTR
APH0003	802 3	SUB256 -> MIRIM_SUB256_ILLCNTR
APH0004	802 4	SUB128 -> MIRIM_SUB128_CNTR
APH0005	802 5	SUB64 -> MIRIM_SUB64_CNTR
APH0006	not avail option	SUBPRISM -> MIRIM_SUBPRISM_64CNTR
1.2 MIRI Low Resolution Spectroscopy Template		
target acquisition		
APH0007	802 6, 7	always -> MIRIM_FULL_TALRSCNTR
science		
APH0008	802 6	FULL -> MIRIM_FULL_SLITCNTR
APH0009	802 7	SUBPRISM -> MIRIM_SUBPRISM_64CNTR
1.3 MIRI Medium Resolution Spectroscopy Template		
target acquisition		
APH0010	802 8	always -> MIRIM_TAMRS_CNTR
science		
APH0011	802 8	always -> MIRIFU_FULL_SHCH1CNTR_CH1
1.4 MIRI Coronagraphic Imaging Template		
target acquisition **APT has MIRIM_TAMRS_CNTR for all acquisitions**		
APH0012	802 9	MASKLYOT -> MIRIM_MASKLYOT_CNTR
APH0013	802 10	MASK1550 -> MIRIM_MASK1550_CNTR
APH0014	802 11	MASK1140 -> MIRIM_MASK1140_CNTR
APH0015	802 12	MASK1065 -> MIRIM_MASK1065_CNTR
target acquisition **APT has MIRIM_FULL_ILLCNTR for all science**		
APH0016	802 9	MASKLYOT -> MIRIM_MASKLYOT_CNTR
APH0017	802 10	MASK1550 -> MIRIM_MASK1550_CNTR
APH0018	802 11	MASK1140 -> MIRIM_MASK1140_CNTR
APH0019	802 12	MASK1065 -> MIRIM_MASK1065_CNTR
1.5 MIRI Imager Flat Template **APT doesn't populate pointings for internals**		
APH0020	802 13	always -> MIRIM_FULL_ILLCNTR
1.6 MIRI MRS Flat Template **APT doesn't populate pointings for internals**		
APH0021	802 14	always -> MIRIM_FULL_ILLCNTR
1.7 MIRI Dark Template **APT doesn't populate pointings for internals**		
APH0022	802 15	always -> MIRIM_FULL_ILLCNTR
	802 16	FULL
	802 17	SUB64
	801 18	MASK1550
		SUBPRISM
1.8 MIRI MIMF Template		
APH0023	802 19	always -> MIRIM_FULL_ILLCNTR
1.9 MIRI CPC Template		
APH0024	802 20-23	always -> MIRIM_FULL_ILLCNTR

2. NIRCam		
2.1 NIRCam Imaging Template/NIRCam External Flat Template/NIRCam Time Series Imaging Template		
NIRCam Imaging		
APH0025	802 24	A/FULL -> NRCAS_FULL_CNTR
APH0029	802 25	B/FULL -> NRCBS_FULL_CNTR
APH0030	802 26	B/SUB160 -> NRCB1_SUB160_CNTR
APH0031	802 27	B/SUB320 -> NRCB1_SUB320_CNTR
APH0032	802 28	B/SUB640 -> NRCB1_SUB640_CNTR
APH0033	802 29	ALL/FULL -> NRCALL_FULL_CNTR
NIRCam External Flat		
APH0025	802 30	A/FULL -> NRCAS_FULL_CNTR
APH0029	802 31	B/FULL -> NRCBS_FULL_CNTR
APH0030	802 32	B/SUB160 -> NRCB1_SUB160_CNTR
APH0031	802 33	B/SUB320 -> NRCB1_SUB320_CNTR
APH0032	802 34	B/SUB640 -> NRCB1_SUB640_CNTR
APH0033	802 35	ALL/FULL -> NRCALL_FULL_CNTR
APH0037	802 36	B/SUB400P -> NRCBLONG_SUB400P_CNTR
APH0038	802 37	B/SUB160P -> NRCBLONG_SUB160P_CNTR
APH0039	802 38	B/SUB64P -> NRCBLONG_SUB64P_CNTR
NIRCam Time Series		
APH0029	802 39	B/FULL -> NRCBS_FULL_CNTR
APH0037	802 40	B/SUB400P -> NRCBLONG_SUB400P_CNTR
APH0038	802 41	B/SUB160P -> NRCBLONG_SUB160P_CNTR
APH0039	802 42	B/SUB64P -> NRCBLONG_SUB64P_CNTR
APH0025		A/FULL -> NRCAS_FULL_CNTR
APH0026		A/SUB160 -> NRCA1_SUB160_CNTR
APH0027		A/SUB320 -> NRCA1_SUB320_CNTR
APH0028		A/SUB640 -> NRCA1_SUB640_CNTR
APH0029		B/FULL -> NRCBS_FULL_CNTR
APH0030		B/SUB160 -> NRCB1_SUB160_CNTR
APH0031		B/SUB320 -> NRCB1_SUB320_CNTR
APH0032		B/SUB640 -> NRCB1_SUB640_CNTR
APH0033		ALL/FULL -> NRCALL_FULL_CNTR
APH0034		ALL/SUB160 -> NRCA1_SUB160_CNTR
APH0035		ALL/SUB320 -> NRCA1_SUB320_CNTR
APH0036		ALL/SUB640 -> NRCA1_SUB640_CNTR
APH0037		B/SUB400P -> NRCBLONG_SUB400P_CNTR
APH0038		B/SUB160P -> NRCBLONG_SUB160P_CNTR
APH0039		B/SUB64P -> NRCBLONG_SUB64P_CNTR
2.2 NIRCam DARK Template		
APH0040	802 43	ALL -> NRCALL_FULL_CNTR
APH0041	802 44	A -> NRCAS_FULL_CNTR
APH0110	802 45	A1 -> NRCAS_FULL_CNTR
APH0111	802 46	A2 -> NRCAS_FULL_CNTR
APH0112	802 47	A3 -> NRCAS_FULL_CNTR
APH0113	802 48	A4 -> NRCAS_FULL_CNTR
APH0114	802 49	ALONG -> NRCAS_FULL_CNTR
APH0042	802 50	B -> NRCBS_FULL_CNTR
APH0115	802 51	B1 -> NRCBS_FULL_CNTR
APH0116	802 52	B2 -> NRCBS_FULL_CNTR
APH0117	802 53	B3 -> NRCBS_FULL_CNTR
APH0118	802 54	B4 -> NRCBS_FULL_CNTR

APH0119	802 55	BLONG -> NRCBS_FULL_CNTR
2.3 NIRCam Coronagraphic Imaging Template		
all BAR masks use B (MASKSWB MASKLWB)		
target acquisition		
APH0043	802 56	MASK210R/A -> NRCA2_TAMASK210R_CNTR
APH0044	802 57	MASK335R/A -> NRCA5_TAMASK335R_CNTR
APH0045	802 58	MASK430R/A -> NRCA5_TAMASK430R_CNTR
APH0046		MASKSWB/A -> NRCA4_TAMASKSWB_CNTR
APH0047		MASKLWB/A -> NRCA5_TAMASKLWB_CNTR
APH0048		MASK210R/B -> NRCB1_TAMASK210R_CNTR
APH0049		MASK335R/B -> NRCB5_TAMASK335R_CNTR
APH0050		MASK430R/B -> NRCB5_TAMASK430R_CNTR
APH0051	802 59	MASKSWB/B -> NRCB3_TAMASKSWB_CNTR
APH0052	802 60	MASKLWB/B -> NRCB5_TAMASKLWB_CNTR
science		
APH0053	802 56	MASK210R/A -> NRCA2_TAMASK210R_CNTR
APH0054	802 57	MASK335R/A -> NRCA5_TAMASK335R_CNTR
APH0055	802 58	MASK430R/A -> NRCA5_TAMASK430R_CNTR
APH0056		MASKSWB/A -> NRCA4_TAMASKSWB_CNTR
APH0057		MASKLWB/A -> NRCA5_TAMASKLWB_CNTR
APH0058		MASK210R/B -> NRCB1_TAMASK210R_CNTR
APH0059		MASK335R/B -> NRCB5_TAMASK335R_CNTR
APH0060		MASK430R/B -> NRCB5_TAMASK430R_CNTR
APH0061	802 59	MASKSWB/B -> NRCB3_TAMASKSWB_CNTR
APH0062	802 60	MASKLWB/B -> NRCB5_TAMASKLWB_CNTR
2.4 NIRCam Focus Template		
APH0063	802 61	A -> NRCAS_FULL_CNTR
APH0064	802 62	B -> NRCBS_FULL_CNTR
2.5 NIRCam PIL Alignment Template		
APH0065	802 63	A -> NRCAS_FULL_CNTR
APH0066	802 64	B -> NRCBS_FULL_CNTR
2.6 NIRCam Internal Phase Retrieval Template		
APH0067	802 65	ALL -> NRCALL_FULL_CNTR
APH0068	802 66	A -> NRCAS_FULL_CNTR
APH0069	802 67	B -> NRCBS_FULL_CNTR
APH0070	802 68	ASHORT -> NRCAS_FULL_CNTR
APH0071	802 69	BSHORT -> NRCBS_FULL_CNTR
APH0072	802 70	ALONG -> NRCAS_FULL_CNTR
APH0073	802 71	BLONG -> NRCBS_FULL_CNTR
3. NIRSpec		
3.1 NIRSpec Fixed Slit Spectroscopy Template		
target acquisition		
APH0074	802 72-79	always -> NRS_FULL_MSACNTR
science		
APH0075	802 72-75	ALLSLITS -> NRS_FULL_MSACNTR
APH0076	802 76	DEFAULT/S200A1 -> NRS_S200A1_SLITCNTR
APH0077	802 77	DEFAULT/S200A2 -> NRS_S200A2_SLITCNTR
APH0078	802 78	DEFAULT/S200B1 -> NRS_S200B1_SLITCNTR
APH0079	802 79	DEAULT/S400A1 -> NRS_S400A1_SLITCNTR
3.2 NIRSpec Integral Field Unit Spectroscopy Template		
target acquisition		
APH0080	802 80	always -> NRS_FULL_MSACNTR

science		
APH0081	802 80	always -> NRS_FULL_IFU_IFUCNTR
3.3 NIRSpec Multi-Object Spectroscopy Template		
target acquisition		
APH0082	802 81	always -> NRS_FULL_MSACNTR
science		
APH0083	802 81	always -> NRS_FULL_MSACNTR
3.4 NIRSpec Focus Template		
APH0084	802 82	always -> NRS_FULL_MSACNTR
3.5 NIRSpec Dark Template		
APH0085	802 83	always -> NRS_FULL_MSACNTR
3.6 NIRSpec Focus Reference Template		
APH0086	802 84	always -> NRS_FULL_MSACNTR
3.7 NIRSpec Internal Lamp Template		
APH0087	802 85	always -> NRS_FULL_MSACNTR
3.8 NIRSpec MSA Short Detection Template		
APH0088	802 86	always -> NRS_FULL_MSACNTR
3.9 NIRSpec MSA Masking Template		
APH0089	802 87	always -> NRS_FULL_MSACNTR
3.10 NIRSpec MIMF Template		
APH0090	802 88	FULL -> NRS_FULL_MSACNTR
APH0091	802 89	SUB32 -> NRS_FULL_MSACNTR
3.11 NIRSpec Bright Object Time Series Template		
APH0092	802 90-93	always -> NRS_FULL_MSACNTR
4. NIRISS		
4.1 NIRISS Imaging Template		
APH0093	802 95	FULL -> NIS_FULL_CNTR
APH0094	802 96	SUB64 -> NIS_SUB64_CNTR
APH0095	802 97	SUB128 -> NIS_SUB128_CNTR
APH0096	802 98	SUB256 -> NIS_SUB256_CNTR
4.2 NIRISS Focus Template		
APH0097	802 99	always -> NIS_FULL_CNTR
4.3 NIRISS Dark Template		
APH0098	802 100	always -> NIS_FULL_CNTR
4.4 NIRISS WFSS Template		
APH0099	802 101	always -> NIS_FULL_CNTR
4.5 NIRISS SOSS Template		
APH0100	802 102-104	always -> NIS_FULL_CNTR (FULL, SUBSTRIP256, SUBSTRIP80)
4.6 NIRISS AMI Template		
APH0101	802 105-106	always -> NIS_FULL_CNTR (FULL, SUB80)
5. FGS		
5.1 FGS Imaging Template		
APH0102	802 107	GUIDER1 -> FGS1_FULL_CNTR
APH0103	802 108	GUIDER2 -> FGS2_FULL_CNTR
5.2 FGS Internal Flat Template		
APH0104	802 118	GUIDER1 -> FGS1_FULL_CNTR
APH0105	802 119	GUIDER2 -> FGS2_FULL_CNTR
5.3 FGS Focus Template		
APH0106	802 109	GUIDER1 -> FGS1_FULL_CNTR
APH0107	802 110	GUIDER2 -> FGS2_FULL_CNTR
5.4 FGS External Flat Template		
APH0108	802 111	GUIDER1 -> FGS1_FULL_CNTR
APH0109	802 112	GUIDER2 -> FGS2_FULL_CNTR

