

## NIRCam Time Series

Program, Obs only 1 expspec	Comment
Template Specific Information	
617 1	NIRCam Time Series template exists
617 1	Field: Acquisition Target choose from list
617 1	Field: Acquisition Subarray SUB32TATS
617 1	Field: Acquisition Filter F335M
617 1	Field: Acquisition Readout Pattern choose from list
617 1	Field: Acquisition Number of Groups/Integrations choose from list
617 1	Field: Acquisition Number of Integrations/Exposure 1 only allowed value
617 1	Field: Module B
617 1	Field: Subarray choose from list
617 1	Field: Number of Exposures/Dither number
617 1	Field: Filter/Pupil choose from list
617 1	Field: Readout Pattern choose from list
617 1	Field: Number of Groups/Integration number
617 1	Field: Number of Integrations/Exposure number
Template Considerations	
	cannot be used in parallel
	cannot have parallels attached
910 110	NO PARALLEL special requirement added
910 110	TIME SERIES OBSERVATION special requirement added
617 1	cannot be used with a mosaic - no tab for mosaic
Acquisition Target	
617 2	if offset star select ACQUISITION TARGET NAME from list targets previously entered
general req	if Solar System Target acq target can't be other SS target
617 1	ACQUISITION TARGET should default to "Same Target as Observation"
Acquisition Subarray	
617 1	SUZB32TATS
Acquisition Target Filter	
617 1	F335M
Acquisition Readout Pattern	
617 1	RAPID
617 2	BRIGHT1
617 3	BRIGHT2
617 4	SHALLOW2
617 5	SHALLOW4
617 6	MEDIUM2
617 7	MEDIUM8
617 8	DEEP2
617 9	DEEP8
Acquisition Number of Groups/Integration	
617 1	3

617 2	5
617 3	9
617 4	17
617 5	33
617 6	65
Acquisition Number of Integrations/Exposure	
617 1	1 only allowed value
Science Exposures	
Module	
617 1	B
Subarray	
617 1	FULL
617 2	SUB400P
617 3	SUB160P
617 4	SUB64P
Number of Exposures/Dither	
617 1	number
	warning if visit duration > 100 hours
Filter/Pupil pairs	
Table 1	
F070W	
617 1	CLEAR Y
910 1	F162M N
910 2	F164N N
910 3	WLP8 N
F090W	
617 8	CLEAR Y
910 4	F162M N
910 5	F164N N
910 6	WLP8 N
F115W	
617 10	CLEAR Y
910 7	F162M N
910 8	F164N N
910 9	WLP8 N
F150W	
617 17	CLEAR Y
910 10	F162M N
617 3	F164N Y
617 18	WLP8 Y
F150W2	
910 11	CLEAR N
617 2	F162M Y
910 12	F164N N
910 13	WLP8 N
F200W	
910 26	CLEAR Y
910 14	F162M N
910 15	F164N N

617 11	WLP8 Y
F140M	
617 19	CLEAR Y
910 16	F162M N
910 17	F164N N
617 6	WLP8 Y
F182M	
617 20	CLEAR Y
910 18	F162M N
910 19	F164N N
617 7	WLP8 Y
F210M	
910 27	CLEAR Y
910 20	F162M N
910 21	F164N N
617 12	WLP8 Y
F187N	
617 21	CLEAR Y
910 22	F162M N
910 23	F164N N
617 4	WLP8 Y
F212N	
617 5	CLEAR Y
910 24	F162M N
910 25	F164N N
617 22	WLP8 Y
Table 2	
F277W	
617 13	CLEAR CLEAR Y
910 28	F162M CLEAR Y
910 38	F164N CLEAR Y
910 48	WLP8 F323N N
910 59	WLP8 F405N N
910 70	WLP8 F466N N
910 81	WLP8 470N N
F322W2	
617 3	CLEAR CLEAR Y
910 29	F162M CLEAR Y
910 39	F164N CLEAR Y
910 49	WLP8 F323N N
910 60	WLP8 F405N N
910 71	WLP8 F466N N
910 82	WLP8 470N N
F356W	
910 26	CLEAR CLEAR Y
910 30	F162M CLEAR Y
910 40	F164N CLEAR Y
617 6	WLP8 F323N Y
910 61	WLP8 F405N N

910 72	WLP8 F466N N
910 83	WLP8 470N N
F444W	
617 5	CLEAR CLEAR Y
910 31	F162M CLEAR Y
910 41	F164N CLEAR Y
910 50	WLP8 F323N N
617 4	WLP8 F405N Y
617 7	WLP8 F466N Y
617 11	WLP8 470N Y
F250M	
617 10	CLEAR CLEAR Y
617 23	F162M CLEAR Y
910 42	F164N CLEAR Y
910 51	WLP8 F323N N
910 62	WLP8 F405N N
910 73	WLP8 F466N N
910 84	WLP8 470N N
F300M	
617 1	CLEAR CLEAR Y
910 32	F162M CLEAR Y
910 43	F164N CLEAR Y
910 52	WLP8 F323N N
910 63	WLP8 F405N N
910 74	WLP8 F466N N
910 85	WLP8 470N N
F335M	
910 27	CLEAR CLEAR Y
910 33	F162M CLEAR Y
617 14	F164N CLEAR Y
910 53	WLP8 F323N N
910 64	WLP8 F405N N
910 75	WLP8 F466N N
910 86	WLP8 470N N
F360M	
617 9	CLEAR CLEAR Y
617 24	F162M CLEAR Y
910 44	F164N CLEAR Y
910 54	WLP8 F323N Y
910 65	WLP8 F405N N
910 76	WLP8 F466N N
910 87	WLP8 470N N
F410M	
617 8	CLEAR CLEAR Y
910 34	F162M CLEAR Y
910 45	F164N CLEAR Y
910 55	WLP8 F323N N
910 66	WLP8 F405N N
910 77	WLP8 F466N N

910 88	WLP8 470N N
F430M	
617 15	CLEAR CLEAR Y
910 35	F162M CLEAR Y
617 25	F164N CLEAR Y
910 56	WLP8 F323N N
910 67	WLP8 F405N N
910 78	WLP8 F466N N
910 89	WLP8 470N N
F460M	
617 2	CLEAR CLEAR Y
910 36	F162M CLEAR Y
910 46	F164N CLEAR Y
910 57	WLP8 F323N N
910 68	WLP8 F405N N
910 79	WLP8 F466N N
910 90	WLP8 470N N
F480M	
617 16	CLEAR CLEAR Y
910 37	F162M CLEAR Y
910 47	F164N CLEAR Y
910 58	WLP8 F323N N
910 69	WLP8 F405N N
910 80	WLP8 F466N N
910 91	WLP8 470N N
	SW config selected first, LW initially grayed out then present only allowed LW configurations
Readout Pattern	
617 7	RAPID
617 4	BRIGHT1
617 5	BRIGHT2
617 1	SHALLOW2
617 8	SHALLOW4
617 9	MEDIUM2
617 3	MEDIUM8
617 2	DEEP2
617 6	DEEP8
Number of Groups/Integration	
Maximum Number of Groups	
617 7	RAPID 10
617 4	BRIGHT1 10
617 5	BRIGHT2 10
617 1	SHALLOW2 10
617 8	SHALLOW4 10
617 9	MEDIUM2 10
617 3	MEDIUM8 10
617 2	DEEP2 20
617 6	DEEP8 20
Illegal Maximum Number of Groups	

910 92	RAPID 11
910 93	BRIGHT1 11
910 94	BRIGHT2 11
910 95	SHALLOW2 11
910 96	SHALLOW4 11
910 97	MEDIUM2 11
910 98	MEDIUM8 11
910 99	DEEP2 21
910 100	DEEP8 21
Number of Integrations/Exposure	
617 2	Number of Integrations: 1
617 12	13
617 14	Number of Integrations: 65536
910 101	Illegal value 0
910 102	65537