

NIRCam Imaging

Program, Obs(.Exposure_Spec)	Comment
Template Specific Information	
6582 6	NIRCam Imaging Template exists
6582 6	Field: Module B or ALL
6582 6	Field: Subarray choose from list
6582 6	Field: Primary Dither Type choose from list
6582 6	Field: Primary Dithers choose from list
6582 6	Field: Dither Size choose from list INTRASCA only
6582 6	Field: Subpixel Dither Type STANDARD, SMALL-GRID-DITHER
6582 6	Field: SubpixelPositions 1,2,3... STANDARD only
6586 2	Field: Small Grid Dithers choose from list
6582 1.01	Field: Filter(s) choose from list
6582 1.01	Field: Readout Pattern choose from list
6582 1.01	Field: Number of Groups/Integration number
6582 1.01	Field: Number of Integrations/Exposure number
Science Exposures	
Module	
6582 5	B
6582 6	ALL
Subarray	
611 1	FULL
611 8	SUB64P
611 2	SUB160
611 9	SUB160P
611 5	SUB320
611 10	SUB400P
611 4	SUB640
6582 6 ALL only FULL	Subarrays other than FULL can only be specified for Module B
611 8	SUB64P diagnostic on Filter table: Pointing performance insufficient
Dither Patterns	
Primary Dither Type	
502 1	None
611 1	FULL
6588 1	FULLBOX
6583 10	INTRAMODULE
6586 15	INTRAMODULEX
6586 28	INTRAMODULEBOX
6583 24	INTRASCA
6586 1	SUBARRAY_DITHER
945 6	Primary Dither Type required field
945 6	Primary Dither Type no default value (don't make NONE)
6589 11	FULL ALL don't offer SUBARRAY_DITHER
6589 7	FULL B don't offer FULL
6589 7	FULL B don't offer FULLBOX

6589 4	SUB640 B only offer INTRASCA or SUBARRAY_DITHER **or NONE**
6589 5	SUB320 B only offer INTRASCA or SUBARRAY_DITHER **or NONE**
6589 6	SUB160 B only offer INTRASCA or SUBARRAY_DITHER **or NONE **
6589 3	SUB400P only offer SUBARRAY_DITHER **or NONE**
6589 1	SUB160P only offer SUBARRAY_DITHER **or NONE**
6589 2	SUB64P only offer SUBARRAY_DITHER **or NONE**
Full Primary Dithers	
6582 6	3TIGHT
6583 2	3
6583 3	6
6583 4	9
6583 5	15
6583 6	21
6583 7	27
6583 8	36
6583 1	45
Fullbox Primary Dithers	
6588 1	2TIGHTGAPS
6588 2	3TIGHTGAPS
6588 3	4TIGHT
6588 4	4
6588 5	5TIGHT
6588 7	6
6588 6	6TIGHT
6588 8	8NIRSPEC
Intramodulex Primary Dithers	
6586 15	2
6586 16	3
6586 12	4
6586 17	5
6586 18	6
6586 19	7
6586 20	8
6586 21	9
6586 22	10
6586 23	11
6586 24	12
6586 25	13
6586 26	14
6586 27	15
6586 14	16
Intramodulebox Primary Dithers	
6586 28	2
6586 29	3
6586 30	4
6586 31	5

6586 32	6
6586 11	7
6586 33	8
6586 34	9
6586 35	10
6586 36	11
6586 37	12
6586 38	13
6586 39	14
6586 40	15
6586 13	16
Intramodule Primary Dithers	
6583 10	3
6583 11	4
6583 12	6
6583 13	8
6583 14	12
6583 15	16
Intrasca Primary Dithers	
6583 24	2
6586 10	3
6586 41	4
6586 42	5
6586 43	7
6586 44	9
6586 45	13
6586 46	17
6583 23	25
old now NULL in DB	populate CAMERA=SHORT until details worked out
Dither Size	
6582 38	8" (SMALL)
6582 39	16" (MEDIUM)
6582 40	24" (LARGE)
6582 38-40	DB gets SMALL, MEDIUM, LARGE
Subarray_Dither Primary Dithers	
6589 1	2
6589 2	3
6589 3	4
Subpixel Dither Type	
611 1	STANDARD
	STANDARD is default
6586 2	SMALL-GRID-DITHER
Standard Subpixel Positions	
6584 1	1
945 7	1 is default
6584 2	2
6584 3	3
6584 4	4
6584 5	5

6584 6	7
6584 7	9
6584 8	12
6584 13	16
6584 14	20
6584 9	24
6584 10	30
6584 11	36
6584 15	48
6584 12	64
6583 25	secondary dither points allowed for all dithers including NONE
Small Grid Dither (subpixel dithers)	
6586 1	1
945 8	1 is default
6586 2	2
6586 3	3
6586 4	4
6586 5	5
6586 6	6
6586 7	7
6586 8	8
6586 9	9
Filters	
502 1	Select name of each filter pair
502 3 only 1 expspec in DB	MODULE=ALL, the same filter pair will be used in both modules
Short Wavelength Camera Filter	
502 1.01	F070W
502 11.01	F090W
502 12.01	F115W
502 13.01	F150W
502 14.01	F150W2
502 15.01	F200W
502 16.01	F140M
502 17.01	F182M
502 18.01	F210M
502 19.01	F187N
502 20.01	F212N
502 21.01	F162M+F150W2
502 23.01	F164N+F150W2
Long Wavelength Camera Filter	
502 1.01	F277W
502 11.01	F322W2
502 12.01	F356W
502 13.01	F444W
502 14.01	F250M
502 15.01	F300M
502 16.01	F335M
502 17.01	F360M

502 18.01	F410M
502 19.01	F430M
502 20.01	F460M
502 21.01	F480M
502 23.01	F323N+F322W2
502 24.01	F405N+F444W
502 28.01	F466N+F444W
502 30.01	F470N+F444W
Readout Pattern	
502 39.01	RAPID
502 38.01	BRIGHT1
502 37.01	BRIGHT2
502 36.01	SHALLOW2
502 35.01	SHALLOW4
502 34.01	MEDIUM2
502 33.01	MEDIUM8
502 32.01	DEEP2
502 31.01	DEEP8
Number of Groups/Integration	
6586 1.01	number
Number of Integrations/Exposure	
6586 1.01	number
Legal GROUPS INTS min/max	
6815 1.09	RAPID
6815 2.09	RAPID ALL
6815 1.08	BRIGHT1
6815 1.07	BRIGHT2
6815 2.07	BRIGHT2 ALL
6815 1.06	SHALLOW2
6815 1.05	SHALLOW4
6815 1.04	MEDIUM2
6815 1.03	MEDIUM8
6815 1.02	DEEP2
6815 1.01	DEEP8
6815 3.09	RAPID
6815 4.09	RAPID ALL
6815 3.08	BRIGHT1
6815 3.07	BRIGHT2
6815 4.07	BRIGHT2 ALL
6815 3.06	SHALLOW2
6815 3.05	SHALLOW4
6815 3.04	MEDIUM2
6815 3.03	MEDIUM8
6815 3.02	DEEP2
6815 3.01	DEEP8

