

## NIRISS Internal Flat

Program, Obs(.Exposure_Spec)	Comment
Template Specific Information	
657 1	NIRISS Internal Flat template exists
657 1	Field: Pointing Type PARALLEL, PRIME
657 1.01	Field: Filter choose from list
657 1.01	Field: Readout Pattern NIS, NISRAPID
657 1.01	Field: Number of Groups/Integration number
657 1.01	Field: Number of Integrations/Exposure number
657 1.01	Field: Lamp Name choose from list
657 1.01	Field: Lamp Power choose from list
Target Name	
636 4	POINTING TYPE=PARALLEL NONE
657 1	POINTING TYPE PRIME NONE is not available, external targ
Pointing Type	
636 4 (902 32)	PARALLEL (default)
657 1	PRIME
902 33	PRIME make TARGET NAME required default None Selected
904 35	error if any PARALLEL sr present
902 32	PARALLEL add NO PARALLEL sr
902 32	PARALLEL add PARALLEL SLEW ONLY sr
902 34	give error if PARALLEL SLEW ONLY sr not present
902 34	give error if NO PARALLEL sr not present
Filter	
657 1.01	GR700XD
657 1.02	F090W
657 1.03	F115W
657 1.04	F140M
657 1.05	F150W
657 1.06	F158M
657 1.07	F200W
657 1.08	F277W
657 1.09	F356W
657 1.10	F380M
657 1.11	F430M
657 1.12	F444W
657 1.13	F480M
657 1.01	although GR700XD grism it will be stored in filter table populates niriss_exposure_specification.filter
Readout Pattern	
657 1.01	NIS
657 1.02	NISRAPID
Number of Groups/Integration	
657 1.01	number
902 34.01, 34.02	NIS 1,45
902 34.05, 34.06	NIS illegal 0,46
902 34.03, 34.04	NISRAPID 1,64

902 34.07, 34.08	NISRAPID illegal 0,65
Number of Integrations/Exposure	
657 1.01	number
902 34.01, 34.02	legal 1,90
902 34.03, 34.04	illegal 0,91
Lamp Name	
657 1.01	FLAT1
657 1.02	FLAT2
657 1.03	LINE1
657 1.04	LINE2
Lamp Power	
657 1.03	OFF
657 1.01	LEVEL1
657 1.05	LEVEL2
657 1.09	LEVEL3
657 1.02	LEVEL4
657 1.06	LEVEL5
657 1.07	LEVEL6
657 1.04	LEVEL7