

Traceability Matrix, PPS Proposal Instructions

Chapter 41 NIRISS Wide Field Slitless Spectroscopy

Requirement #	Proposal, Visit, Exposure	Comment
Introduction		
NSS0053	655 1	NIRISS Wide Field Slitless Spectroscopy Template exists
Science Exposure		
NSS0035	655 1	Field: WFSS Dither Name
NSS0036	655 1	WFSS Dither Name choose from list
NSS0037	655 1	Field: Filter
NSS0038	655 1	Filter, choose from list
NSS0039	655 1	Field: Grism
NSS0040	655 1	Grism, choose from list
NSS0041	655 1	Field: Readout Pattern
NSS0042	655 1	Readout Pattern, choose from list
NSS0043	655 1	Field: Number of Groups
NSS0044	655 1	Number of Groups, specify number
NSS0045	655 1	Field: Number of Integrations
NSS0046	655 1	Number of Integrations, specify number
Direct Image		
NSS0047	655 1	Field: Readout Pattern
NSS0048	655 1	Readout Pattern, choose from list
NSS0049	655 1	Field: Number of Groups
NSS0050	655 1	Number of Groups, specify number
NSS0051	655 1	Field: Number of Integrations
NSS0052	655 1	Number of Integrations, specify number
Science (Grism) Exposure		
WFSS Dither		
NSS0053	655 1	NONE
NSS0054	655 2	WFSS2PT
NSS0055	655 3	WFSS3PT
NSS0056	655 4	WFSS4PT
NSS0057	655 6	WFSS6PT
NSS0058	655 2	at each dither point science exposure(s) taken with specified grism
Filter		
NSS0059	655 5	F090W
NSS0060	655 2	F115W
NSS0061	655 1	F140M
NSS0062	655 6	F150W
NSS0063	655 4	F158M
NSS0064	655 3	F200W
NSS0065	655 2	filter to be used for both grism exposures and direct image exposures
Grism		
NSS0066	655 2	GR150R
NSS0067	655 1	GR150C
NSS0068	655 3	BOTH
NSS0069	655 3	if BOTH specified two WFSS exps at each dither position, one with each grism
Exposure Duration		
NSS0213	655 1	Specify exposure parameters for each exposure

Readout Pattern		
NSS0070	655 1	NIS
NSS0071	655 4	NISRAPID
Number of Groups		
NSS0072	655 1	NUMBER OF GROUPS
NSS0214	902 10	NUMBER OF GROUPS: NIS 1-200
	902 11	0
	902 21	1
	902 22	200
NSS0215	902 23	201
	902 24	NUMBER OF GROUPS: NISRAPID 1-30
	902 25	0
	902 26	1
Number of Integrations		
NSS0073	655 1	NUMBER OF ITERATIONS
NSS0216	902 23	NUMBER OF INTEGRATIONS: 1-10
	902 25	0
	902 24	1
	902 26	10
Direct Image Exposures		
NSS0074	655 2	one direct image before grism exposures begin
NSS0075	655 2	dither other than NONE additional direct image after grism exposures
Direct Image Readout Pattern		
NSS0076	655 2	NIS
NSS0077	655 1	NISRAPID
Direct Image Number of Groups		
NSS0078	655 1	NUMBER OF GROUPS
NSS0217	902 10	NUMBER OF GROUPS: NIS 1-200
	902 11	0
	902 21	1
	902 22	200
NSS0218	902 23	201
	902 24	NUMBER OF GROUPS: NISRAPID 1-30
	902 25	0
	902 26	1
Number of Integrations		
NSS0079	655 1	NUMBER OF ITERATIONS
NSS0219	902 23	NUMBER OF INTEGRATIONS: 1-10
	902 25	0
	902 24	1
	902 26	10