WFC3 IR Channel
Filter Specifications
version Aug 31,2000 oll

SOC IR Group Priority	#	Science Description	Filter	"line in air" Air lam0 microns	shift 500 km/sec Air lamc central microns	"line in vac" Vac lam0 microns	shift 500 km/sec Vac lamc central microns	FWHM microns	%Trans	Edge -50% pk microns	Edge +50% pk microns	del lam/ lam	Comments
I	1	Broad H and Red Grism Ref *	F160W	1.5450	**1.5450**	1.5454	1.5454	**0.29000**	**98**	**1.4000**	**1.6900**	0.188	detector cutoff 1.7 micr
I	2	Broad J	F125W	1.2500	**1.2500**	1.2503	1.2503	**0.30000**	**98**	**1.1000**	**1.4000**	0.240	
I	3	"Red" Low Resolution Grism	G141	1.4100	**NA**	NA	NA	**0.60000**	**NA**	**1.1000**	**1.7000**	0.426	final specs TBS
II		Water/CH_4 continuum	F127M	1.2700	**1.2700**	1.2703	1.2703	**0.07000**	**98**	**1.2350**	**1.3050**	0.055	
II	7	Water/CH_4 line	F139M	1.3850	**1.3850**	1.3854	1.3854	**0.07000**	**98**	**1.3500**	**1.4200**	0.051	
III	8	"Blue" High Resolution Grating	G102	1.0250	**NA**	NA	NA	**0.25000**	**NA**	**0.9000**	**1.1500**	0.244	final specs TBS
III	9	"Blue" Filter, Blue Grism Ref *	F098M	0.9850	**0.9850**	0.9853	0.9853	**0.17000**	**98**	**0.9000**	**1.0700**	0.173	
III	10	[FeII]	F164N	1.6435	**1.6463**	1.6440	1.6467	**0.01646**	**95**	**1.6381**	**1.6545**	0.010	
III	11	[FeII] continuum	F167N	1.6677	**1.6677**	1.6682	1.6682	**0.01668**	**95**	**1.6594**	**1.6760**	0.010	
IV	12	H_20 and NH_3	F153M	1.5300	**1.5300**	1.5304	1.5304	**0.07000**	**95**	**1.4950**	**1.5650**	0.046	
IV	13	Paschen Beta	F128N	1.2818	**1.2839**	1.2822	1.2843	**0.01284**	**95**	**1.2775**	**1.2904**	0.010	
IV	14	Paschen Beta continuum	F130N	1.3006	**1.3006**	1.3010	1.3010	**0.01301**	**95**	**1.2941**	**1.3071**	0.010	
V	15	[FeII]	F126N	1.2570	**1.2591**	1.2574	1.2595	**0.01259**	**95**	**1.2528**	**1.2654**	0.010	
V	16	Paschen Beta (redshifted)	F132N	1.3200	**1.3200**	1.3204	1.3204	**0.01320**	**95**	**1.3134**	**1.3266**	0.010	
NEW		"Fat" Sloan z	F105W	1.0450	**1.0450**	1.0453	1.0453	**0.31000**	**95**	**0.8900**	**1.2000**	0.297	mod (Frogel/Windhorst)
NEW		Wide Band spanning J-H boundary	F140W	1.4000	**1.4000**	1.4004	1.4004	**0.40000**	**95**	**1.2000**	**1.6000**	0.286	