

PFIS configurations

19-Jun-03 khn

Polarimetry	Default	All						Selects
	Mode	None	linear	circular	all-stokes			Pol mask
Detector	Default	All						
	Frame transfer mode	No	Yes					FT mask
	Vertical shift (pix)	No	64	128	256			
	Window (center rows)	No	64	128	256			
	Drift ("/sec)	No	>0					
	Shuffle (arcsec)	No	2.5'	custom				Shuffle mask
	Binning	2x2	1x2	1x1	custom			
	Speed (usec/bin)	10	3					
Frame exposure (sec)	Free	Specify						
Mask	Default	Normal	1b,2b,3b	FT mode	FT mode	Shuffle		
	Width (")	None	Central 4'	8" FT	16" FT	Central 2.5'	cust longslit multislit	
Slitwidth	Default	1, 3, 3b	1b, 2, 2b					
	Width (")	None	.6"	.9"	1.25"	2"	custom	Binning
Gratings	Default	1,1b,3,3b	2,2b					
	line/mm	None	300	900	1300	1800	2300 3000	Grating angle, Filter
	wavelength/ cam angle (deg)	0	10 - 100 by 0.75					
	grating angle (deg)	0	5 - 50 by 0.375					
	Off-axis disp (arcmin)	0	+/-1	+/-2	+/-3			
Fabry-Perot	Default	1,1b,2,2b	3,3b					
	etalons	none	low	low+med	low+high		Filter	
	central wavelength (nm)	0	430 - 860					
	scan increment	0	>0					
	number	0	>0					
	radial field (arcmin)	0-4						
Filters	Default	1,1b,2,2b	2,2b	2,2b	2,2b	2,2b	3,3b	
	filter	Clear	UV-32	UV-34	UV-38	GG455	lxxx .. (30 of these)	

Imaging (1)

Nonstandard

Target

Target Name	GRB-1 field	
Observation name	H-Alpha	
Brtness (m or m/"^2)	22	mag
Spectrum	Flat	
Sky	Grey	
Seeing	Median	
Exposure (sec)	1000	
Saturation	14	mag

Detector

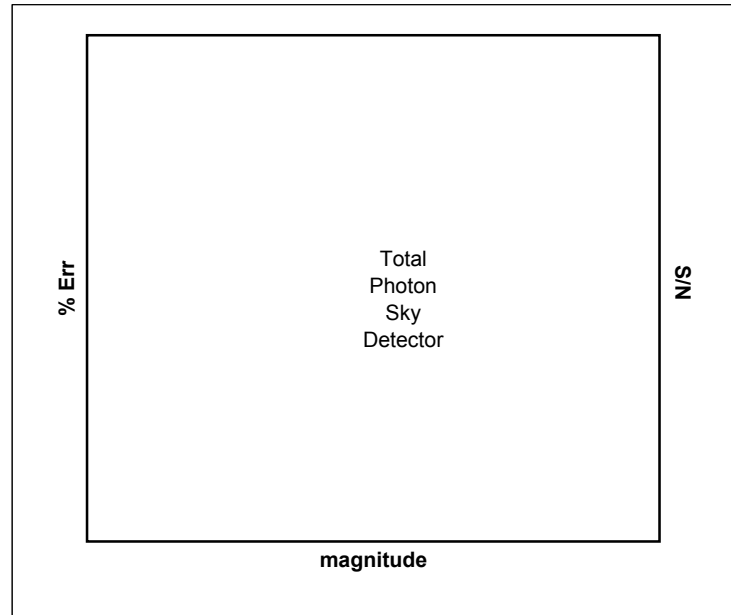
Frame transfer mode	No	
Vertical shift (pix)	No	
Window (center rows)	No	
Drift ("/sec)	No	
Shuffle (arcsec)	No	
Binning	2x2	
Speed (usec/bin)	10	
Frame exp	500	sec

Slitmask

Mask	None	
Type	Standard	Imaging

Filters

I656



mag range: m - 5 to m

Polarimetric Imaging (1b)

Nonstandard

Target

Target Name	GRB-1 field	
Observation name	IS Pol	
Brightness (m or m ²)	20	mag
Spectrum	F	
Sky	Dark	
Seeing	Median	
Exposure (sec)	1000	
Saturation	12.1	mag

Polarimetry

Linear

Detector

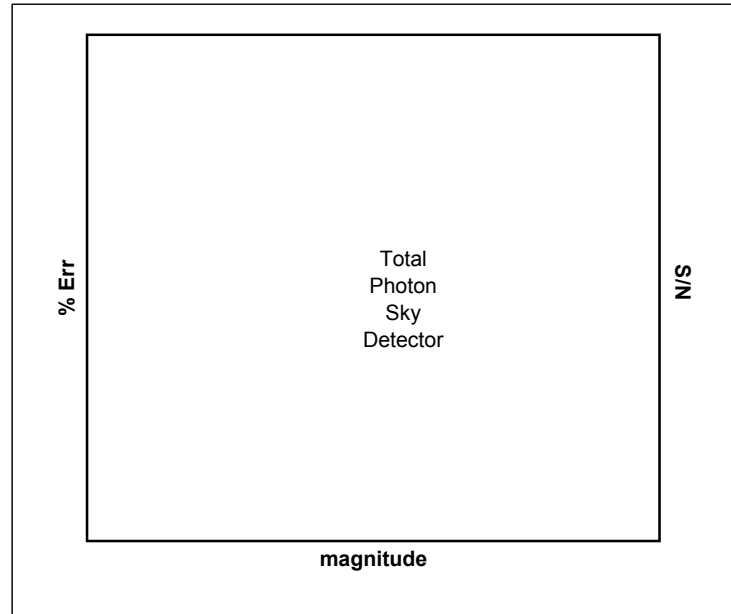
Frame transfer mode	No	
Vertical shift (pix)	No	
Window (center rows)	No	
Drift ("/sec)	No	
Shuffle (arcsec)	No	
Binning	2x2	
Speed (usec/bin)	10	
Frame exp	125	sec

Slitmask

Mask	Multislit	
Slitwidth (arcsec)	1.25	
Type	Custom	Multislit

Filters

UV-38



mag range: m - 5 to m

Spectroscopy (2)

Nonstandard

Target

Target Name	M82	
Observation name	Rot Curve	
Brtness (m or m/"^2)	22	mag/"^2
Spectrum	B	
Sky	Dark	
Seeing	Median	
Exposure (sec)	1000	
Saturation	15	mag/"^2

Detector

Frame transfer mode	No	
Vertical shift (pix)	No	
Window (center rows)	No	
Drift ("/sec)	No	
Shuffle (arcsec)	No	
* Binning	1x4	
Speed (usec/bin)	10	
Frame exposure	500	sec

Slitmask

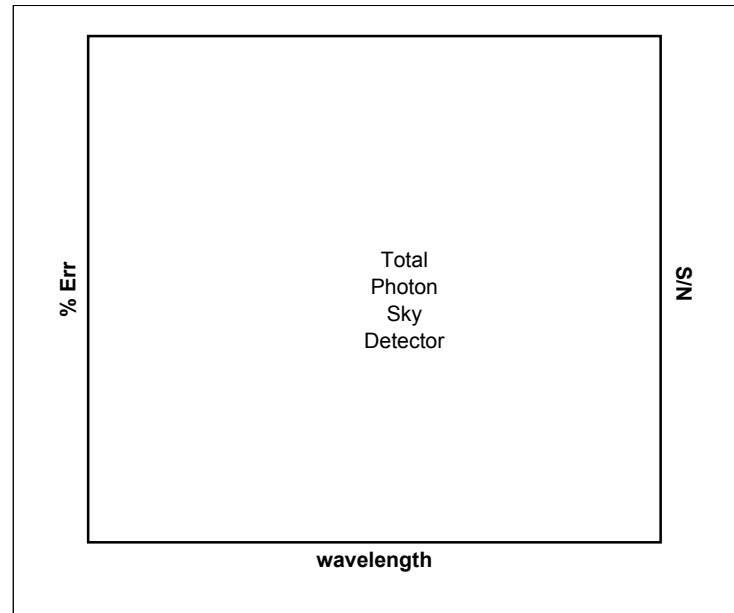
Mask	None	
Slitwidth (arcsec)	0.9	
Type	Standard	Longslit

Grating

line/mm	3000	
cam angle	100	
off-axis disp	0	arcmin
central wvl n	510.7	nm
edge wvl n	477.1	539 nm
R	7449	
grating angle (deg)	50	

Filters

Clear



Spectropolarimetry (2b)

Nonstandard

Target

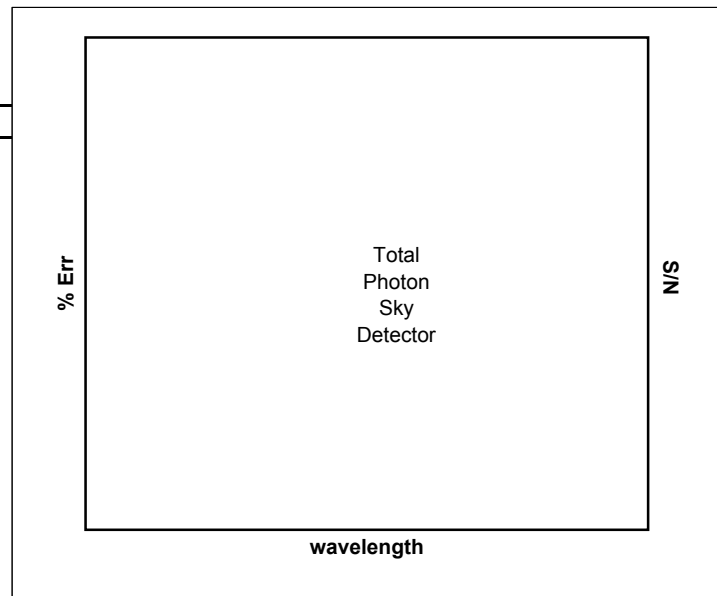
Target Name	SS433	
Observation name	H-Alpha Hires	
Brtness (m or m/^2)	14	mag
Spectrum	B	
Sky	Bright	
Seeing	Good	
Exposure (sec)	1000	
Saturation	12	mag/^2

Polarimetry

Linear

Detector

Frame transfer mode	No	
Vertical shift (pix)	No	
Window (center rows)	128	
Drift ("/sec)	No	
Shuffle (arcsec)	No	
Binning	2x2	
Speed (usec/bin)	10	
* Frame exposure	60	sec



Slitmask

Mask	Central 4'	
Slitwidth (arcsec)	0.6	
Type	Standard	Longslit

Grating

line/mm	2300	
cam angle	97.75	
off-axis disp	0	arcmin
central wvln	655	nm
edge wvln	610.3	692.9 nm
R	10738	
grating angle (deg)	48.875	

Filters

GG455

Fabry-Perot (3)

Nonstandard

Target

Target Name	LMC fld3
Observation name	Mgl velocity
Brtness (m or m/"^2)	22 mag
Spectrum	A
Sky	Grey
Seeing	Median
Exposure (sec)	1000
Saturation	10 mag

Detector

Frame transfer mode	No
Vertical shift (pix)	No
Window (center rows)	No
Drift ("/sec)	No
Shuffle (arcsec)	No
Binning	2x2
Speed (usec/bin)	10
Frame exposure	50 sec

Slitmask

Mask	None
Type	Standard Imaging

Fabry-Perot

etalons	low+med
central wavelength (nm)	530
scan increment (nm)	0.2
number	21
edge wvl	528 532 nm
edge wvl	528.23 532.23 nm
R	2500

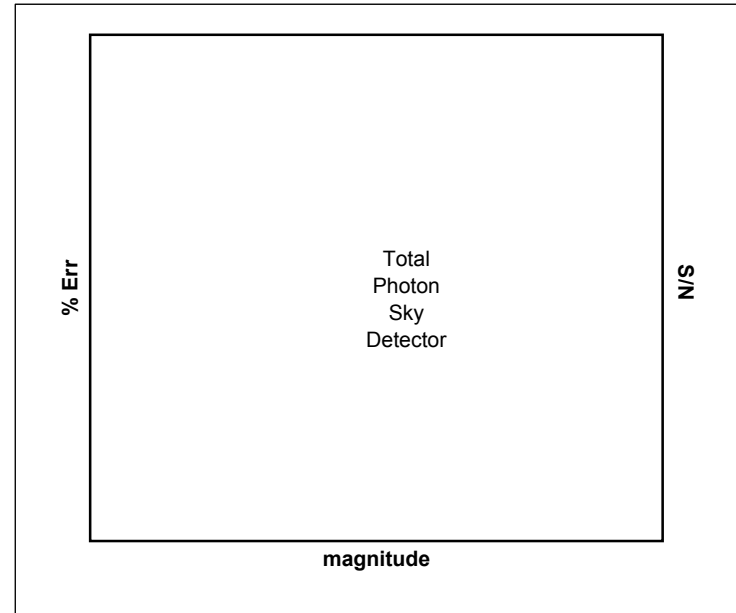
radial position

0 arcmin

2 arcmin

Filters

1527



Fabry-Perot spectropolarimetry (3b)
Nonstandard

Target

Target Name	NEAT 2001/Q4	
Observation name	Na D2	
Brtness (m or m ²)	20	mag ²
Spectrum	em line	
Sky	Grey	
Seeing	Good	
Exposure (sec)	1000	
Saturation	10	mag ²

Polarimetry

Linear

Detector

Frame transfer mode	No	
Vertical shift (pix)	No	
Window (center rows)	No	
Drift ("/sec)	No	
Shuffle (arcsec)	No	
Binning	2x2	
Speed (usec/bin)	10	
Frame exposure	25	sec

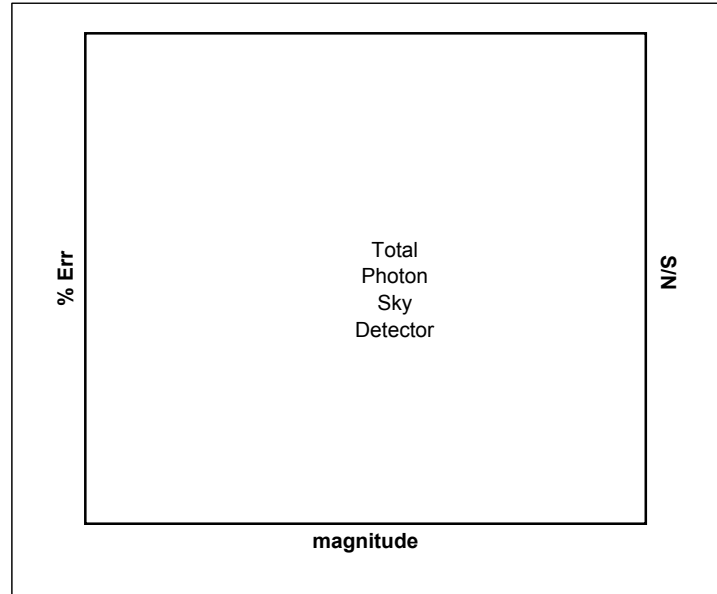
Slitmask

Mask	Central 4'	
Type	Standard	Imaging

Fabry-Perot

etalons	low+high	
central wavelength (nm)	588.9	
scan increment (nm)	0.03	
number	21	
edge wvl	588.6	589.2 nm
edge wvl	588.72	589.32 nm
R	12500	

radial position
0 arcmin
1.5 arcmin



Filters

1590