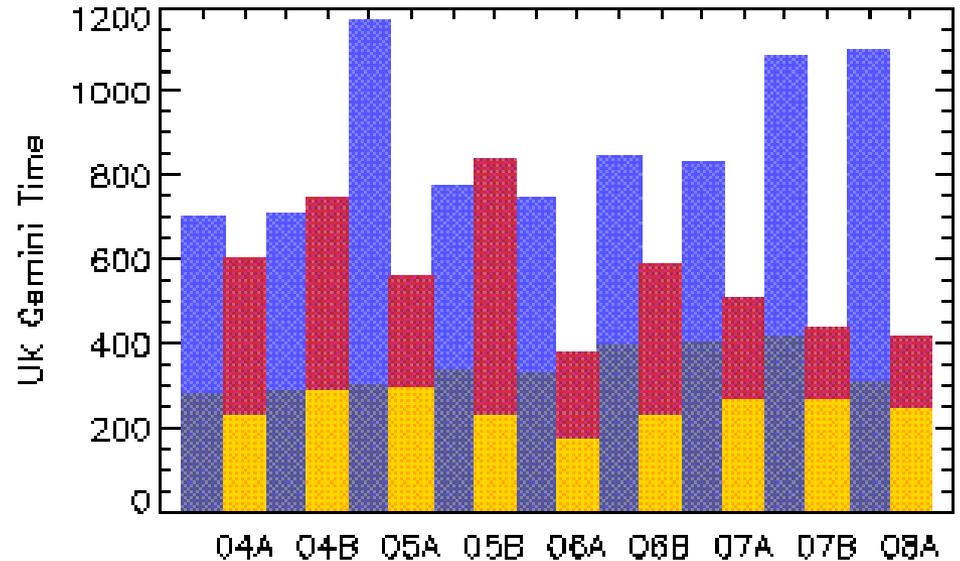
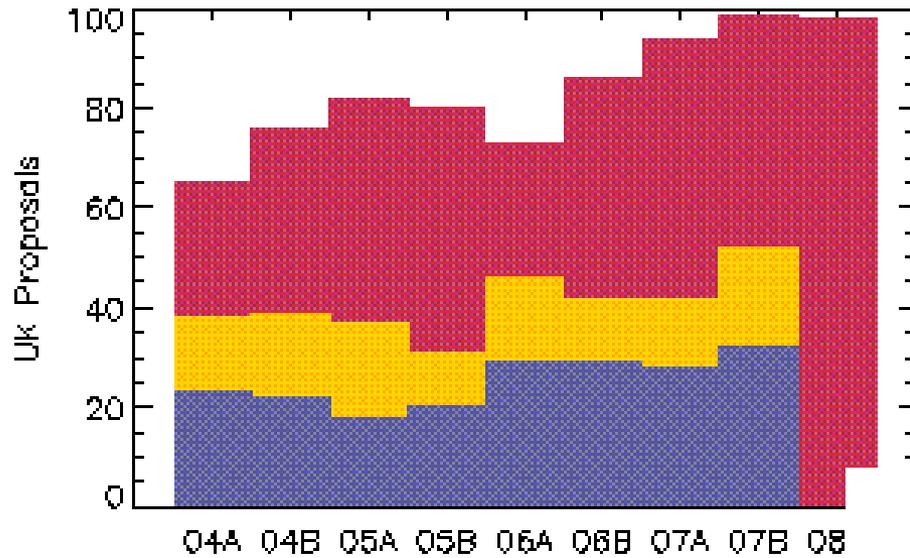


# Gemini Operations 07A- 08A

Ilona Soechting

UK 8m User Meeting  
Oxford, 10 October 2007

# Proposal Statistics



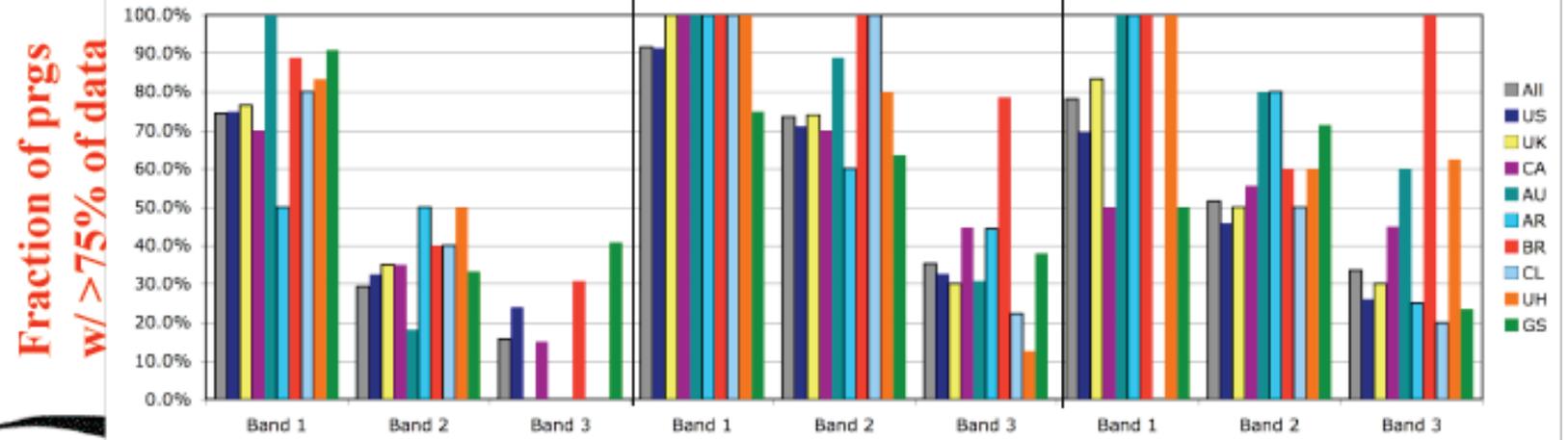
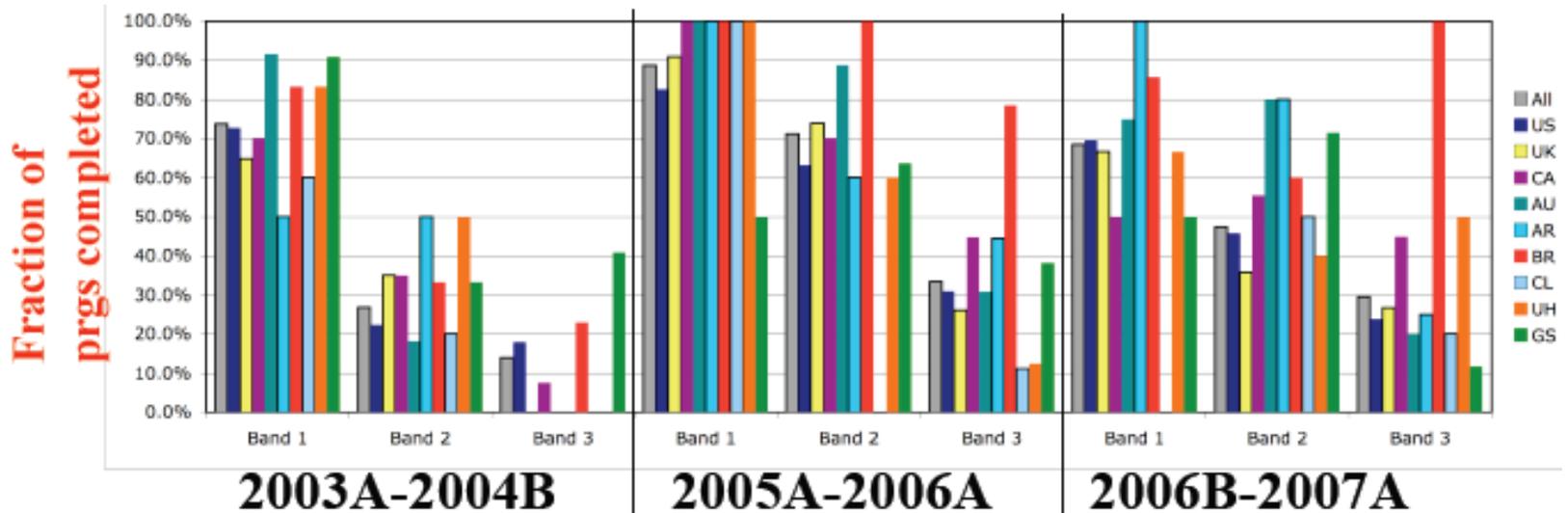
# Instruments Requested

Instrument #hours	2007B		2008A	
	#prop	#hours		#prop
GMOS-N	35	585	40	612.4
NIRI (Altair)	11 (4)	134.7 (72.9)	13 (9)	169.9 (65.3)
NIFS (Altair)	5 (3)	73.3 (45.3)	4 (4)	118 (88.5)
Michelle	7	64.7	4	46.4
TEXES		6      112		-      -
GMOS-S	18	259.2	19	324.1
GNIRS	11	179.2	-	-
T-ReCS	0	0	2	68
Phoenix	-	-	2	24
HIRES	1	10	1	10
SuprimeCam	1	3	1	10
MOIRCS	6	55.3	4	47

# Recent Changes

- Time lost to interrupted LGS observations will be charged to the partner whose program was being executed at the time.
- NTAC technical assessment to include band 3 observing conditions
- Classical runs: 1 night minimum, integer nights
- Open call for poor weather programs (proposals can be submitted to the observatory directly throughout the semester)
- ToOs
  - no roll over status for ToOs
  - no time critical ToOs in band 3
  - Undecided on MOS ToOs, not clear that 7 day turnaround is attractive
- To better balance the RA distribution of targets in the Gemini queue, starting with 2008A ITAC will make best effort to avoid extreme oversubscription and starting with 2008B RA balance should be enforced at ITAC.

# Completion Rates



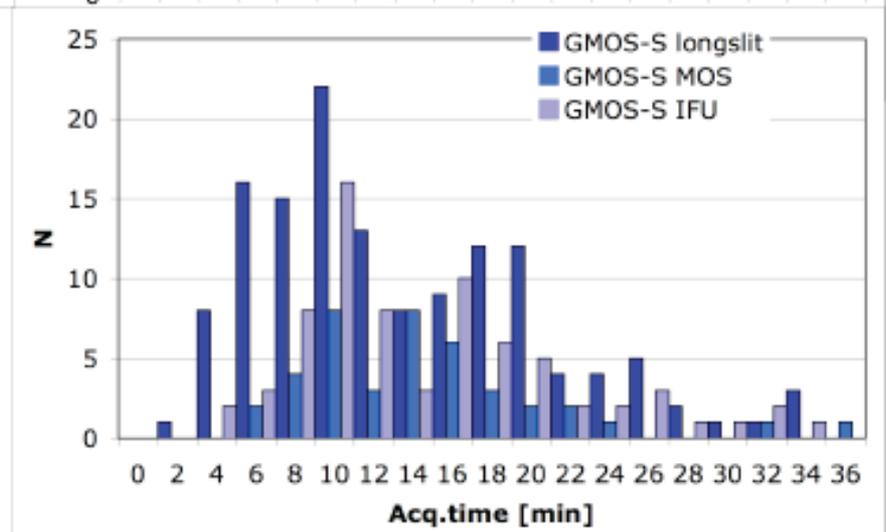
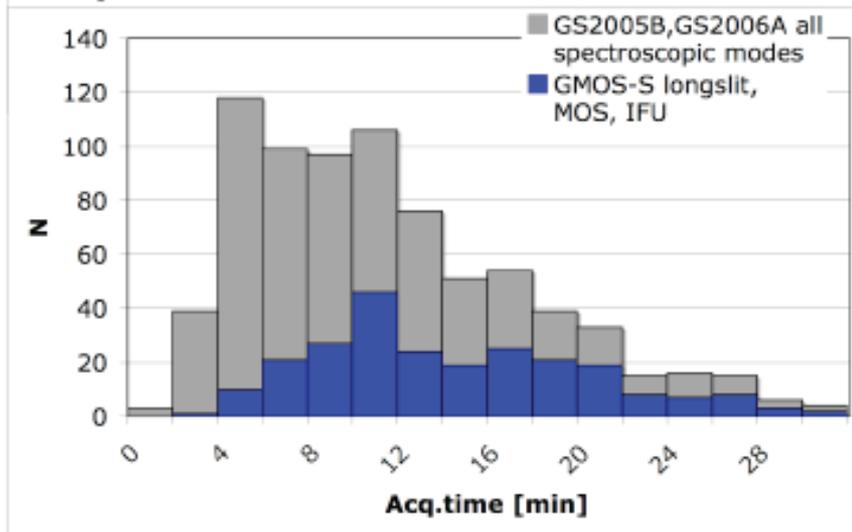
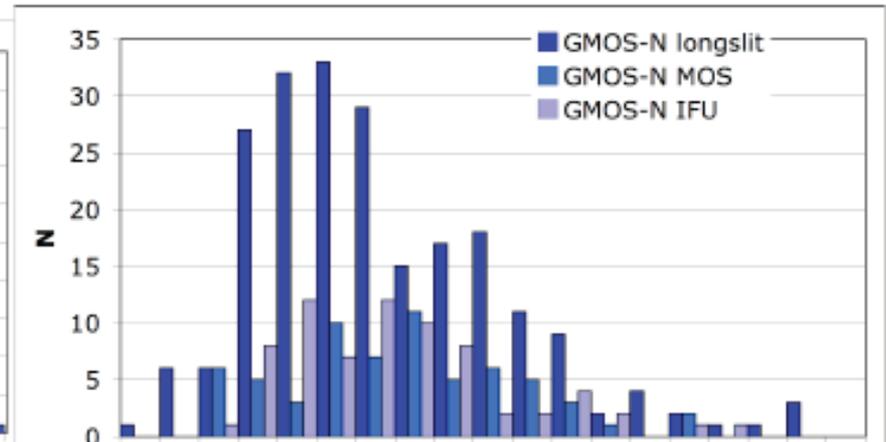
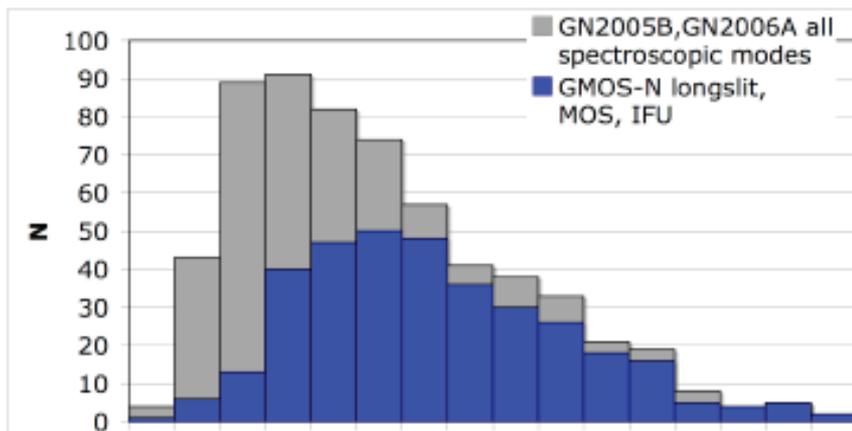
# Time Balance

Semester	Partner imbalances [hours]										Total charged
	US	UK	CA	AU	AR	BR	CL	UH	GS		
2000B	-26.99	-0.32	5.16	2.36	4.63	11.01	0.00	-8.64	5.26		244
2001A	-30.41	2.32	20.68	0.48	-5.33	1.05	0.00	10.54	-9.57		499
2001B	-19.36	15.80	4.75	-8.85	-16.40	-3.21	-3.33	3.67	16.70		684
2002A											
2002B	9.73	-9.08	-6.93	1.17	-13.77	3.33	-3.33	-6.80	28.57		853
2003A	86.19	-64.30	-86.25	-11.49	-8.62	8.42	-3.01	34.87	47.08		1233
2003B	79.48	-128.76	-68.69	28.44	-8.62	9.07	-12.03	52.36	51.64		1368
2004A	87.40	-146.54	-104.22	5.54	-8.21	3.33	-27.94	46.66	146.86		1509
2004B	155.31	-209.25	-139.69	30.56	-13.36	8.87	-30.44	28.39	172.49		1458
2005A	148.17	-227.39	-114.21	26.59	-27.02	26.00	-19.55	41.22	149.07		1766
2005B	113.73	-169.43	-95.18	11.55	5.53	53.66	-21.77	0.54	104.26		1898
2006A	130.97	-156.36	-77.01	12.66	6.36	63.38	-42.54	-13.58	78.14		1861
2006B	66.86	-141.61	-7.39	42.40	-10.53	67.45	-80.56	18.46	46.95		1631
2007A	-16.81	-50.56	-16.09	49.32	-13.96	73.84	-109.07	59.23	26.12		1620

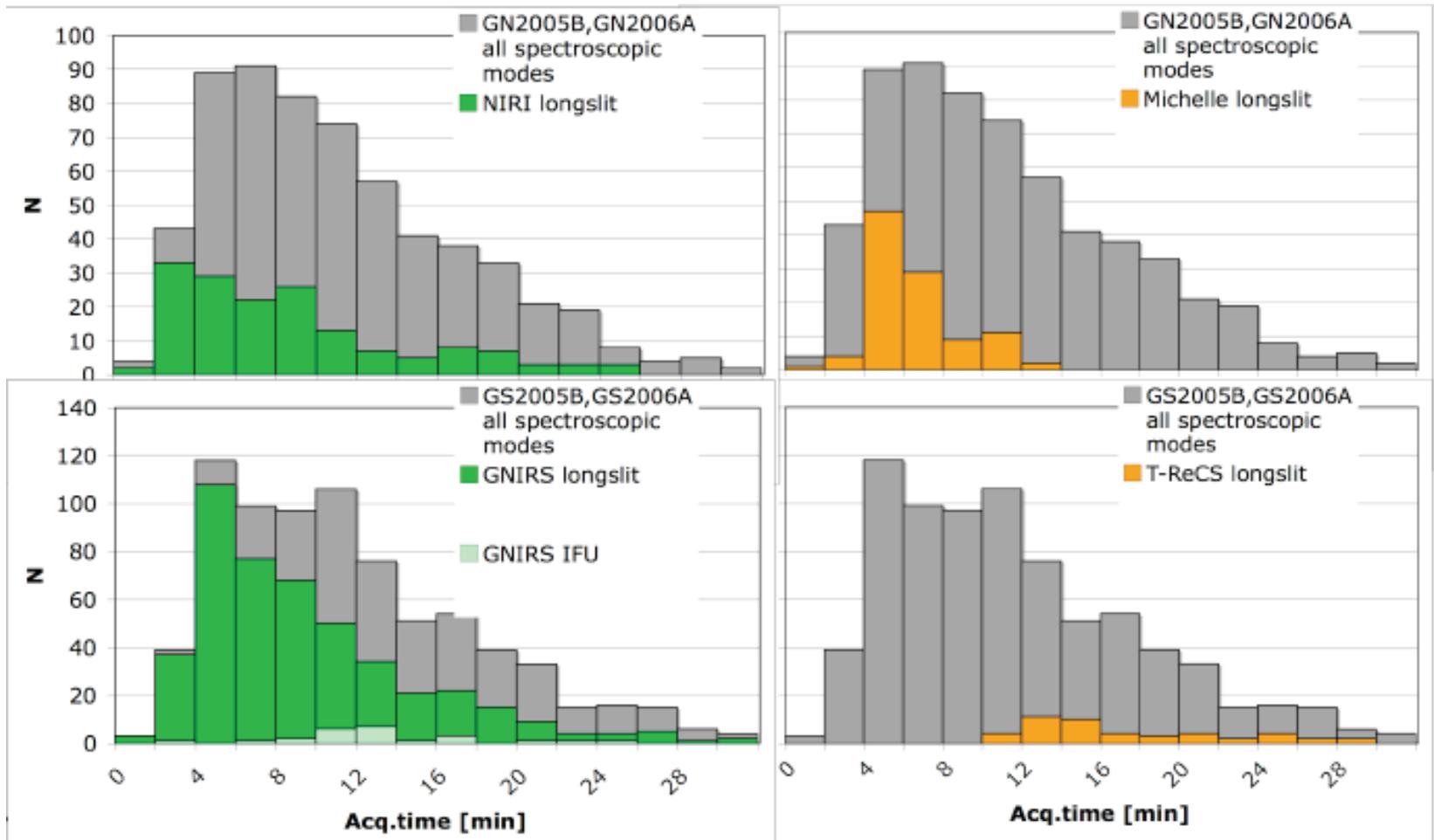
# Acquisition Times

Gemini 2005B+2006A statistics			VLT advertised for P80		
	# obs	Acq time [min]			Acq time [min]
Telescope slew + guide star acq. same as imaging acquisition w/o AO			Preset		
		6.0			6
	# obs	Acq time [min]	Instrument mode	Details: exp=30sec N=2 iterations	Acq time [min]
GMOS-N / GMOS-S Longslit	217/136	13.6 / 14.8	FORS1&2 longslit	2+4+N*(read+exp)	13.5
GMOS-N / GMOS-S MOS	65/41	14.7 / 15.6	VIMOS	17+N*(read+exp)	19
GMOS-N / GMOS-S IFU	74/73	15.6 / 15.8	VIMOS IFU	11+N*(read+exp)	13
NIRI / GNIRS Longslit	162/465	9.0 / 9.8	ISAAC longslit	5.5+2.5+N*exp	9
GNIRS IFU	24	13.4			
NIRI+Altair NGS imaging	179	5.0	NACO Imaging	2+7.5+0.5	10
Michelle / T-ReCS Longslit	103/47	6.5 / 17.9	VISIR bright/faint source		15 / 30
Gemini 2007A/B advertised					
	# obs	Acq time [min]	Instrument mode	Details: exp=30sec N=2 iterations	Acq time [min]
NIFS + Altair (excl preset)		9	SINFONI	2+4*2min	10
Additional Altair LGS overhead		5	Add. LGS overhead: NACO users manual		10
			Add. LGS overhead: From SINFONI info		13

# Acq. Time Distribution



# Acq. Time Distribution



# GNIRS Incident

Following catastrophic failure of GNIRS during standard warm-up procedure in April 2007 (mid semester 2007A) following measures were taken:

- Emergency call for DD proposals from Gemini and NGO staff to fill immediate holes in 2007A queue
- Pls of appropriate 2007A programs approached to switch between South and North
- Issued Special Call for Proposals (over 400 hours of GNIRS time recommended by ITAC – Time needed to be replaced!)
- Proposals judged by NTACS
- Time available for each partner agreed at regular ITAC meeting
- Each ITAC representative forwarded recommended proposals
- ITAC telecon to deal with joints and close out details
- 12 UK programs recommended by UK TAC and technically assessed by UK NGO staff.

# Instrument Update

## **GNIRS**

- Recovery plan being implemented to repair GNIRS in Hilo
- Detector replacement is the pacing item – decided to stay with Aladin3 detector and procurement is being finalised. Need ~8 months.
- GNIRS will be recommissioned on MK in late 2008A or 2008B, and remain at GN thereafter

## **NICI**

- Second commissioning run took place beginning of August (used new Deformable Mirror)
- 3 more commissioning runs and 2 NICI campaign runs are scheduled in 2007B. For 2008A, NICI is only available for campaign runs, no PI science

## **GMOS CCDs**

- looking into other options....
- no changes expected for the next few semesters

# Instrument Update

## **Flamingos-2**

- integration and testing at UF is still on-going
- goal is to begin the pre-ship acceptance testing before end of 2007
- Delivery to Cerro Pachon expected first quarter 2008
- Commissioning time requested for 2008A – chances of getting sufficient commissioning data in time for 2008B CfP are not very good
- possibly demo science in 2008B
- further delays could put F-2 at risk of a schedule collision with MCAO

## **MCAO+GSAOI**

- Primary schedule driver is the laser – delivery expected November 2007
- Launch telescope to be installed in October.
- 10 nights reserved for Laser Eng. work in 2008A
- some GSAOI commissioning included in 2008A plan
- MCAO commissioning NOT expected in 2008A (likely start ~Aug 2008)