

Incoming instruments

ID	📅	2004				2005				2006				2007				2008				2009				2010	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
1	📅		9/27	◆	LDSS																						
2	📅		9/27	◆	B&C spectrograph																						
3	📅		9/27	◆	MagIC																						
4	📅		9/27	◆	IMACS																						
5	📅		9/27	◆	MIKE																						
6	📅		9/27	◆	PANIC																						
7	📅		9/27	◆	MIKE fibers																						
8	📅		10/28	◇	IMACS moe																						
9	📅				5/31	◇	LDSS upgrade																				
10	📅				5/31	◇	IMACS Maryland-Magellan tunable filter																				
11	📅				5/31	◇	CorMASS visting IR spectrograph																				
12	📅						11/30	◇	Guider upgrades																		
13	📅						11/30	◇	GLAO guider																		
14	📅						11/30	◇	F/5 secondary mirror																		
15	📅						11/30	◇	F/5 baffling																		
16	📅						11/30	◇	F/5 wavefront sensors (SAO)																		
17	📅						11/30	◇	F/5 wide field corrector and ADC (SAO)																		
18	📅						3/27	◇	MagE optical echellette																		
19	📅						3/27	◇	Planet finding spectrograph (user)																		
20	📅								6/26	◇	Megacam																
21	📅								6/26	◇	MMIRS multiobject IR spectrograph																
22	📅								6/26	◇	PISCO (user)																
23	📅								6/26	◇	IMACS gismo IFU																
24	📅										6/25	◇	FourStar widefield IR imager														
25	📅										9/3	◇	IR echellette														
26	📅																			1/5	◇	F/11 AO secondary					
27	📅																			4/6	◇	MIRAC4					

New instruments

IMACS MOE	Multiobject echellette
LDSS upgrade	Multiobject optical spectroscopy
CorMASS	Low-res visiting NIR spectrograph
GLAO guider	Ground layer AO sensors
F/5 secondary mirror	MMT clone
F/5 baffles	OK, not an instrument

New instruments (cont'd)

F/5 wavefront sensors	Shack-Hartmann camera
F/5 WFC	Wide field corrector and ADC
MagE	Optical echellette
PFS	Planet finding spectrograph (user)
Megacam	Wide field F/5 imager
MMIRS	Multiobject NIR spectrograph

New instruments (cont'd)

PISCO	Multiband optical imager (user)
IMACS GISMO	Multiobject image slicing IFU
FourStar	4K x 4K NIR imager
IR Echellette	NIR echellette (H2RG)
F/11 AO secondary	Gregorian AO mirror
MIRAC4	Mid-IR imager

How many?

- Without retirements, 17 facility instruments
- With staffing appropriate for today's operation, six facility instruments plus a few user instruments is possible
- Develop a plan for instrument deployment and retirement

F/5 system components

- Secondary mirror
- Baffles
- Wide field corrector
- Wavefront sensor
- Megacam
- MMIRS

F/5 commissioning

- Expect a few weeks of engineering to get everything working
- Plus a bit more, because of switchover times
- A few extra people on site for commissioning work

F/5 operations

- Changeover can be handled by Magellan staff
- Visiting instruments (Megacam, MMIRS) present additional support requirements
- Visiting support scientists come with the instrument?