

## AUGUST 2003 IRTF TELESCOPE SCHEDULE:

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
Aug. 1 Fr	18:00	06:00	P 999 Engineering	Apogee	JTR	
Aug. 2 --	18:00	06:00	P,D 046 Brooke	SpeX	JTR	
Aug. 3 --	18:00	06:00	D 046 Brooke	SpeX	JTR	
Aug. 4 Mo	18:00	23:59	D 067 Rayner	SpeX	JTR	Remote obs
	23:59	03:00	D 073 Grundy	SpeX	SJB	Remote obs
Aug. 5 Tu	03:00	06:00	D,B 067 Rayner	SpeX	JTR	Remote obs
	18:00	06:00	D,B 067 Rayner	SpeX	JTR	Remote obs
Aug. 6 We	18:00	23:59	B 998 Vincent	NSFCAM	SJB	Remote obs
	23:59	06:00	B 070 Britt	SpeX	SJB	Remote obs
Aug. 7 Th	18:00	23:59	B 998 Vincent	NSFCAM	SJB	Remote obs
	23:59	06:00	B 070 Britt	SpeX	SJB	Remote obs
Aug. 8 Fr	18:00	06:00	P 073 Grundy	SpeX	SJB	Remote obs
Aug. 9 --	18:00	23:00	P 067 Rayner	SpeX	JTR	Remote obs
	23:00	01:00	P 108 Young, L.	SpeX	JTR	Remote obs
Aug. 10 --	01:00	06:00	P 067 Rayner	SpeX	JTR	Remote obs
	18:00	06:00	P 020 Allen	SpeX	SJB	1st night
Aug. 11 Mo	18:00	06:00	D,P 020 Allen	SpeX	SJB	Full moon
Aug. 12 Tu	18:00	06:00	B 078 Kelley	SpeX	SJB	
Aug. 13 We	18:00	06:00	B 078 Kelley	SpeX	SJB	
Aug. 14 Th	08:00	13:00	B,D 029 Sprague	SpeX	JTR	Daytime obs; 1st night
	18:00	06:00	B,D 078 Kelley	SpeX	SJB	
Aug. 15 Fr	08:00	13:00	B,D 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	B,D 045 Shepard	SpeX	SJB	1st night; remote obs
Aug. 16 --	08:00	13:00	D,P 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	D,P 049 Deming	NSFCAM	SJB	Remote obs
Aug. 17 --	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	P 045 Shepard	SpeX	SJB	Remote obs
Aug. 18 Mo	18:00	06:00	P 999 <b>Engineering</b>	BASS		Chop sec on
Aug. 19 Tu	18:00	06:00	P 017 Hammel	BASS	JTR	
Aug. 20 We	18:00	06:00	B 017 Hammel	BASS	JTR	
Aug. 21 Th	18:00	06:00	B 105 Klassen	SpeX	SJB	
Aug. 22 Fr	18:00	06:00	B 105 Klassen	NSFCAM	SJB	
Aug. 23 --	18:00	06:00	B 099 Tedesco	MIRSI	SJB	
Aug. 24 --	18:00	06:00	D 099 Tedesco	MIRSI	SJB	
Aug. 25 Mo	18:00	23:59	D 096 Sridharan	MIRSI	EVT	
	23:59	06:00	D 099 Tedesco	MIRSI	SJB	
Aug. 26 Tu	18:00	23:59	D 096 Sridharan	MIRSI	EVT	
	23:59	06:00	D 099 Tedesco	MIRSI	SJB	
Aug. 27 We	18:00	23:59	D 096 Sridharan	MIRSI	EVT	
	23:59	06:00	D 099 Tedesco	MIRSI	SJB	
Aug. 28 Th	18:00	01:00	P 058 Jackson	MIRSI	EVT	
Aug. 29 Fr	01:00	06:00	P 100 Tokunaga	MIRSI	EVT	
	18:00	01:00	P 058 Jackson	MIRSI	EVT	
Aug. 30 --	01:00	06:00	P 100 Tokunaga	MIRSI	EVT	
	18:00	01:00	P 058 Jackson	MIRSI	EVT	
Aug. 31 --	01:00	06:00	P 036 Aussel	MIRSI	EVT	1st night
	18:00	01:00	P 058 Jackson	MIRSI	EVT	

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
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017			Lynch, Russell			
020			Reid			
029			Warell, Emery			
036			Liu, Lagage			
045			Clark			
046			Sellgren			
049			Harrington, Richardson, Seager			
058			Shah, Simon, Kraemer, Kassis, Deutsch, Hora			
067			Vacca, Cushing, Gregg, Schreiber			
073			Spencer, Young, Young			
078			Gaffey			
096			Saito, Beuther, Deutsch, Hora			
099			Bus, Bottke, Davis, Cellino, Delbo, Michel, Morbidelli, Deutsch, Hora, Adams, Kassis			
100			Bus, Hicks			
105			Glenar, Bell, Blaney, Bjoraker			
108			Grundy, Young			

# August 2003

## SEPTEMBER 2003 IRTF TELESCOPE SCHEDULE:

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
Sep. 1 Mo	01:00 06:00	D	036 Aussel	MIRSI	EVT	
	18:00 06:00	D	036 Aussel	MIRSI	EVT	
Sep. 2 Tu	18:00 06:00	D	005 Cruz	SpeX	JTR	Remote obs; chop sec off
Sep. 3 We	18:00 06:00	D	005 Cruz	SpeX	JTR	Remote obs
Sep. 4 Th	18:00 06:00	D	005 Cruz	SpeX	JTR	Remote obs
Sep. 5 Fr	18:00 06:00	P	026 Imanishi	SpeX	JTR	
Sep. 6 --	18:00 22:00	P	026 Imanishi	SpeX	JTR	
	22:00 01:00	P	073 Grundy	SpeX	SJB	Remote obs
Sep. 7 --	01:00 06:00	P	026 Imanishi	SpeX	JTR	
	18:00 23:59	P	035 Meikle	SpeX	JTR	Remote obs
	23:59 06:00	P	026 Imanishi	SpeX	JTR	
Sep. 8 Mo	18:00 06:00	P,B	049 Deming	NSFCAM	SJB	Remote obs
Sep. 9 Tu	18:00 22:00	B	999 <b>Engineering</b>	Apogee		
	22:00 23:59	B	108 Young, L.	SpeX	JTR	Remote obs
	23:59 06:00	B	999 <b>Engineering</b>	Apogee		
Sep. 10 We	18:00 06:00	B	023 Quillen	MIRSI	EVT	Full moon; chop sec on
Sep. 11 Th	18:00 06:00	B,D	023 Quillen	MIRSI	EVT	
Sep. 12 Fr	18:00 06:00	D	095 Sridharan	MIRSI	EVT	Remote obs
Sep. 13 --	18:00 06:00	D	095 Sridharan	MIRSI	EVT	Remote obs
Sep. 14 --	18:00 06:00	D,P	095 Sridharan	MIRSI	EVT	Remote obs
Sep. 15 Mo	18:00 06:00	P	049 Deming	NSFCAM	SJB	Remote obs; chop sec off
Sep. 16 Tu	18:00 06:00	P	002 Burgasser	SpeX	JTR	
Sep. 17 We	18:00 06:00	P,B	002 Burgasser	SpeX	JTR	
Sep. 18 Th	18:00 06:00	B	002 Burgasser	SpeX	JTR	
Sep. 19 Fr	18:00 23:59	B	105 Klassen	SpeX	SJB	
	23:59 06:00	B	999 <b>Engineering</b>	TBD		
Sep. 20 --	18:00 23:59	B,D	105 Klassen	NSFCAM	SJB	
	23:59 06:00	B,D	999 <b>Engineering</b>	TBD		
Sep. 21 --	18:00 06:00	D	057 Gregg	SpeX	JTR	
Sep. 22 Mo	18:00 06:00	D	057 Gregg	SpeX	JTR	
Sep. 23 Tu	18:00 06:00	D,P	057 Gregg	SpeX	JTR	
Sep. 24 We	18:00 06:00	P	057 Gregg	SpeX	JTR	
Sep. 25 Th	18:00 06:00	P	010 Turnshek	NSFCAM	SJB	
Sep. 26 Fr	18:00 06:00	P	010 Turnshek	NSFCAM	SJB	
Sep. 27 --	18:00 06:00	B	010 Turnshek	NSFCAM	SJB	
Sep. 28 --	18:00 06:00	B	010 Turnshek	NSFCAM	SJB	
Sep. 29 Mo	08:00 13:00	D,B	029 Sprague	SpeX	JTR	Daytime remote obs
	18:00 06:00	B	037 Binzel	SpeX	SJB	Remote obs
Sep. 30 Tu	08:00 13:00	D	029 Sprague	SpeX	JTR	Daytime remote obs
	18:00 06:00	B	037 Binzel	SpeX	SJB	Remote obs

002 McElwain, Kirtkpatrick  
005 Reid  
010 Rao, Nestor, Monier  
023 Alonso-Herrero, Kassis, Hora, Deutsch, Lira, Imanishi  
026 Aoki, Wada  
029 Warell, Emery  
035 Joseph, Rayner, Pozzo, Mattila  
036 Liu, Lagage  
037 Rivkin, Bus  
049 Harrington, Richardson, Seager  
057 Lacy, Glikman, Becker, White, Helfand  
073 Spencer, Young, Young  
095 Campbell, Deutsch, Hora  
105 Glenar, Bell, Blaney, Bjoraker  
108 Grundy, Young

## September 2003

## OCTOBER 2003 IRTF TELESCOPE SCHEDULE:

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
Oct. 1 We	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime remote obs
	18:00	23:59	P 042 Rodriguez	CSHELL/SpeX	JTR	1st night
	23:59	06:00	P 999 <b>Engineering</b>	TBD		
Oct. 2 Th	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime remote obs
	18:00	23:59	P 042 Rodriguez	CSHELL/SpeX	JTR	
	23:59	06:00	P 999 <b>Engineering</b>	TBD		
Oct. 3 Fr	18:00	23:59	P 073 Grundy	SpeX	SJB	Remote obs
	23:59	06:00	P 998 Vincent	NSFCAM	SJB	Remote obs
Oct. 4 --	18:00	06:00	P 998 Vincent	NSFCAM	SJB	Remote obs
Oct. 5 --	18:00	06:00	B 067 Rayner	SpeX	JTR	Remote obs
Oct. 6 Mo	18:00	06:00	B 067 Rayner	SpeX	JTR	Remote obs
Oct. 7 Tu	18:00	23:59	B 073 Grundy	SpeX	SJB	Remote obs
	23:59	06:00	B 999 <b>Engineering</b>	TBD		
Oct. 8 We	18:00	06:00	B 006 Andersson	CSHELL	SJB	
Oct. 9 Th	18:00	06:00	P 006 Andersson	CSHELL	SJB	Full moon.
Oct. 10 Fr	18:00	06:00	P 999 <b>Engineering</b>	BASS		Chop sec on
Oct. 11 --	18:00	06:00	P 065 Polomski	BASS	JTR	
Oct. 12 --	18:00	06:00	P 065 Polomski	BASS	JTR	
Oct. 13 Mo	18:00	21:00	B 094 Young , L.	NSFCAM	SJB	Remote obs
	21:00	06:00	B 999 <b>Engineering</b>	TBD		
Oct. 14 Tu	18:00	06:00	B 999 <b>Engineering</b>	TBD		
Oct. 15 We	18:00	21:00	B 108 Young, L.	SpeX	SJB	Remote obs
	21:00	06:00	B 997 Binzel	SpeX	SJB	Remote obs
Oct. 16 Th	18:00	06:00	B 052 Fernandez	MIRSI/Apogee	EVT	+ 104 Lisse
Oct. 17 Fr	18:00	06:00	P 052 Fernandez	MIRSI/Apogee	EVT	+ 104 Lisse
Oct. 18 --	18:00	06:00	P 044 Kilic	SpeX	SJB	Remote obs
Oct. 19 --	18:00	06:00	P 044 Kilic	SpeX	SJB	Remote obs
Oct. 20 Mo	18:00	23:59	P 105 Klassen	SpeX	SJB	
	23:59	06:00	P 040 Walter	CSHELL	JTR	
Oct. 21 Tu	12:00	13:30	D 069 Rathbun	SpeX	SJB	Day remote obs
	18:00	23:59	B 105 Klassen	NSFCAM	SJB	
	23:59	06:00	B 999 <b>Engineering</b>	TBD		
Oct. 22 We	18:00	06:00	B 091 Rodriguez-Ardila	SpeX	SJB	
Oct. 23 Th	06:30	08:20	D 069 Rathbun	SpeX	SJB	Day remote obs
	18:00	06:00	B 091 Rodriguez-Ardila	SpeX	SJB	
Oct. 24 Fr	18:00	06:00	B,D 052 Fernandez	MIRSI/Apogee	EVT	Remote obs + 104 Lisse
Oct. 25 --	18:00	06:00	D 099 Tedesco	MIRSI	EVT	
Oct. 26 --	18:00	06:00	D 099 Tedesco	MIRSI	EVT	
Oct. 27 Mo	18:00	23:59	D,P 099 Tedesco	MIRSI	EVT	
	23:59	06:00	D,P 011 Orton	NSFCAM/MIRSI	EVT	
Oct. 28 Tu	18:00	23:59	P 099 Tedesco	MIRSI	EVT	
	23:59	06:00	P 011 Orton	NSFCAM/MIRSI	EVT	
Oct. 29 We	18:00	06:00	P 050 Fernandez	SpeX/Apogee/MIRSI	SJB	Remote obs + 104 Lisse
Oct. 30 Th	18:00	06:00	P,B 999 <b>Engineering</b>	HIPWAC		
Oct. 31 Fr	15:00	06:00	B 051 Fast	HIPWAC	JTR	

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
006			Burgh, McCandliss, Neufeld			
011			Yanamandra-Fisher			
029			Warell, Emery			
040			Beck, Morse			
042			Bago			
044			Winget, von Hippel, Saumon			
050			Schleicher, Lisse			
051			Kostiuk, Livengood, Annen, Espenak, Hewagama			
052			Bus, Schleicher, Deutsch, Hora, Kassis			
065			Sitko, Lynch, Russell			
067			Vacca, Cushing, Gregg, Schreiber			
069			Spencer			
073			Spencer, Young, Young			
091			Pastoriza			
094			Elliot			
099			Bus, Bottke, Davis, Cellino, Delbo, Michel, Morbidelli, Deutsch, Hora, Adams, Kassis			
105			Glenar, Bell, Blaney, Bjoraker			
108			Grundy, Young			

# October 2003

## NOVEMBER 2003 IRTF TELESCOPE SCHEDULE:

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments	
Nov. 1 --	15:00	23:59	B 051	Fast	HIPWAC	JTR	
	23:59	06:00	B 064	Livengood	HIPWAC	JTR	
Nov. 2 --	15:00	06:00	B,D 064	Livengood	HIPWAC	JTR	
Nov. 3 Mo	18:00	21:00	D 038	Birlan	SpeX	SJB	Remote obs; chop sec off
	21:00	22:00	D 050	Fernandez	SpeX/Apogee	SJB	Remote obs
	22:00	06:00	D 038	Birlan	SpeX	SJB	Remote obs
Nov. 4 Tu	18:00	21:00	D 038	Birlan	SpeX	SJB	Remote obs
	21:00	22:00	D 050	Fernandez	SpeX/Apogee	SJB	Remote obs
	22:00	06:00	D 038	Birlan	SpeX	SJB	Remote obs
Nov. 5 We	18:00	01:00	D,P 050	Fernandez	SpeX/Apogee	SJB	Remote obs
Nov. 6 Th	01:00	06:00	D,P 999	<b>Engineering</b>	SpeX	SJB	Remote eng
	10:30	12:00	B 069	Rathbun	SpeX	SJB	Daytime remote obs
	18:00	21:00	P 050	Fernandez	SpeX/Apogee	SJB	Remote obs
	21:00	06:00	P 063	Lemmon	SpeX	SJB	Remote obs
Nov. 7 Fr	18:00	21:00	P 050	Fernandez	SpeX/Apogee	SJB	Remote obs
	21:00	05:20	P 063	Lemmon	SpeX	SJB	Remote obs
Nov. 8 --	05:20	06:20	B 069	Rathbun	SpeX	SJB	Day remote obs
	18:00	23:30	B 999	<b>Engineering</b>	MIRSI	EVT	Full moon; chop sec on
	23:30	06:00	B 080	Muench	SpeX	JTR	1st night
Nov. 9 --	18:00	23:30	B 999	<b>Engineering</b>	MIRSI	EVT	
	23:30	06:00	B 080	Muench	SpeX	JTR	
Nov. 10 Mo	18:00	06:00	B 013	Woodward	HIFOGS	EVT	
Nov. 11 Tu	18:00	06:00	B,D 013	Woodward	HIFOGS	EVT	
Nov. 12 We	18:00	06:00	D 013	Woodward	HIFOGS	EVT	
Nov. 13 Th	18:00	23:59	D 035	Meikle	SpeX	JTR	Remote obs; chop sec off
	23:59	06:00	D 015	Bosh	SpeX	JTR	
Nov. 14 Fr	18:00	06:00	D,P 015	Bosh	SpeX	JTR	
Nov. 15 --	18:00	06:00	P 999	<b>Engineering</b>	SpeX/NSFCAM	JTR	
Nov. 16 --	18:00	06:00	P 048	Cushing	NSFCAM/SpeX	JTR	Remote obs
Nov. 17 Mo	18:00	06:00	B 048	Cushing	NSFCAM/SpeX	JTR	Remote obs
Nov. 18 Tu	18:00	23:59	B 105	Klassen	SpeX	SJB	
	23:59	06:00	B 999	<b>Engineering</b>	NSFCAM/SpeX	JTR	
Nov. 19 We	18:00	23:59	B 105	Klassen	NSFCAM	SJB	Remote obs
	23:59	06:00	B 999	<b>Engineering</b>	NSFCAM/SpeX	JTR	
Nov. 20 Th	13:00	22:00	D 996	Mumma	CSHELL	JTR	Daytime obs
	22:00	06:00	B 999	<b>Engineering</b>	CSHELL/SpeX	JTR	
Nov. 21 Fr	13:00	22:00	D 996	Mumma	CSHELL	JTR	Daytime obs
	22:00	06:00	P 070	Britt	SpeX	SJB	Remote obs
Nov. 22 --	13:00	22:00	D 996	Mumma	CSHELL	JTR	Daytime obs
	22:00	06:00	P 070	Britt	SpeX	SJB	Remote obs
Nov. 23 --	13:00	22:00	D 996	Mumma	CSHELL	JTR	Daytime obs
	22:00	06:00	P 015	Bosh	SpeX	JTR	Remote obs
Nov. 24 Mo	18:00	06:00	P 015	Bosh	SpeX	JTR	Remote obs
Nov. 25 Tu	18:00	06:00	B 001	Luhman	SpeX	JTR	
Nov. 26 We	18:00	06:00	B 001	Luhman	SpeX	JTR	
Nov. 27 Th	17:00	20:00	B 094	Young, L.	NSFCAM	JTR	
	20:00	06:00	B 008	Jones	NSFCAM	JTR	
Nov. 28 Fr	17:00	20:00	B 094	Young, L.	NSFCAM	JTR	
	20:00	06:00	B 008	Jones	NSFCAM	JTR	
Nov. 29 --	18:00	06:00	P 001	Luhman	SpeX	JTR	
Nov. 30 --	18:00	06:00	P 001	Luhman	SpeX	JTR	

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
008			Woodward			
013			Wooden, Harker			
015			Olkin, French, McGhee, Elliot, Rayner, Levine			
035			Joseph, Rayner, Pozzo, Mattila			
038			Dotto, Rossi, Fulchignoni, Nesvorny, Barucci			
048			Rayner, Vacca, Marley			
050			Schleicher, Lisse			
051			Kostiuk, Livengood, Annen, Espenak, Hewagama			
064			Kostiuk, Hewagama, Romani, Fast, Annen, Buhl, Sonnabend			
069			Spencer			
080			Muzerolle, Lada			
094			Elliot			
105			Glenar, Bell, Blaney, Bjoraker			

# November 2003

## DECEMBER 2003 IRTF TELESCOPE SCHEDULE:

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
Dec. 1 Mo	18:00	06:00	P 004 Bender	CSHELL	JTR	1st night
Dec. 2 Tu	18:00	06:00	D 004 Bender	CSHELL	JTR	
Dec. 3 We	18:00	06:00	D 004 Bender	CSHELL	JTR	
Dec. 4 Th	18:00	06:00	D 072 Beck	SpeX	JTR	
Dec. 5 Fr	18:00	06:00	D,B 072 Beck	SpeX	JTR	
Dec. 6 --	18:00	23:00	B 007 Krasnopolsky	CSHELL	SJB	
	23:00	01:00	B 040 Walter	CSHELL	SJB	Remote obs
Dec. 7 --	01:00	06:00	B 089 Retherford	CSHELL	SJB	1st night
	18:00	23:00	B 007 Krasnopolsky	CSHELL	SJB	
	23:00	01:00	B 040 Walter	CSHELL	SJB	Remote obs
Dec. 8 Mo	01:00	06:00	B 089 Retherford	CSHELL	SJB	Full moon
	18:00	23:30	B,P 999 <b>Engineering</b>	MIRSI	EVT	Chop sec on
	23:30	06:00	B,P 063 Lemmon	SpeX	SJB	Remote obs
Dec. 9 Tu	18:00	23:30	P 104 Lisse	MIRSI	EVT	Remote obs
	23:30	06:00	P 063 Lemmon	SpeX	SJB	Remote obs
Dec. 10 We	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	P 016 Williams	MIRSI	EVT	
Dec. 11 Th	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	P 016 Williams	MIRSI	EVT	
Dec. 12 Fr	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	E 016 Williams	MIRSI	EVT	
Dec. 13 --	06:00	08:00	D 993 Tokunaga	MIRSI	EVT	Daytime obs
	08:00	13:00	D 029 Sprague	SpeX	JTR	Daytime obs
	18:00	06:00	E 016 Williams	MIRSI	EVT	
Dec. 14 --	06:00	12:00	D 993 Tokunaga	MIRSI	EVT	Daytime obs
	18:00	23:59	E 104 Lisse	NSFCAM/MIRSI/Apogee	EVT	
	23:59	06:00	E 995 Orton	MIRSI/NSFCAM	EVT	
Dec. 15 Mo	06:00	12:00	D 993 Tokunaga	MIRSI	EVT	Daytime obs
	18:00	23:59	E 104 Lisse	NSFCAM/MIRSI/Apogee	EVT	
	23:59	06:00	E 995 Orton	MIRSI/NSFCAM	EVT	
Dec. 16 Tu	18:00	23:59	P 100 Tokunaga	MIRSI	EVT	
	23:59	06:00	P 994 Yanamandra-Fisher	MIRSI/NSFCAM	EVT	
Dec. 17 We	18:00	23:59	P 100 Tokunaga	MIRSI	EVT	
	23:59	06:00	P 994 Yanamandra-Fisher	MIRSI/NSFCAM	EVT	
Dec. 18 Th	18:00	06:00	P 036 Aussel	MIRSI	EVT	
Dec. 19 Fr	18:00	06:00	P 036 Aussel	MIRSI	EVT	
Dec. 20 --	18:00	06:00	D 086 Pyo	SpeX	JTR	Remote obs
Dec. 21 --	18:00	06:00	D 088 Peterson	SpeX	JTR	1st night
Dec. 22 Mo	18:00	06:00	D 088 Peterson	SpeX	JTR	
Dec. 23 Tu	18:00	06:00	D 088 Peterson	SpeX	JTR	
Dec. 24 We	00:00	00:00	- Christmas Eve			Closed
Dec. 25 Th	00:00	00:00	- Christmas Day			Closed
Dec. 26 Fr	18:00	06:00	B 087 Richter	TEXES	JTR	Chop sec off
Dec. 27 --	18:00	06:00	B 087 Richter	TEXES	JTR	
Dec. 28 --	18:00	06:00	B 087 Richter	TEXES	JTR	
Dec. 29 Mo	18:00	06:00	B 087 Richter	TEXES	JTR	
Dec. 30 Tu	18:00	06:00	B 063 Lemmon	SpeX	SJB	Remote obs
Dec. 31 We	00:00	00:00	- New Year's Eve			Closed



HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
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004			Simon			
007			Richter, Lacy, Greathouse			
016			Tokunaga, Deutsch, Hora, Adams, Kassis			
029			Warell, Emery			
036			Liu, Lagage			
040			Beck, Morse			
086			Hayashi, Kobayashi, Tokunaga			
087			Lacy, Jaffe, Blake			
088			Megeath, Allen, Pipher, Cushing, Rayner			
089			Gladstone, Young, Young			
100			Bus, Hicks			
104			A'Hearn, Tokunaga, Fernandez, Deutsch, Hora, Kassis			

# December 2003

## JANUARY 2004 IRTF TELESCOPE SCHEDULE:

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
Jan. 1 Th	18:00 06:00	D	087 Richter	TEXES	JTR	
Jan. 2 Fr	18:00 23:59	D	007 Krasnopolsky	TEXES	JTR	
	23:59 06:00	D	093 Spencer	TEXES	JTR	
Jan. 3 --	18:00 23:59	D	007 Krasnopolsky	TEXES	JTR	
	23:59 06:00	D	093 Spencer	TEXES	JTR	
Jan. 4 --	18:00 23:59	D	041 Fouchet	TEXES	JTR	
	23:59 06:00	D	093 Spencer	TEXES	JTR	
Jan. 5 Mo	18:00 23:59	B	041 Fouchet	TEXES	JTR	
	23:59 06:00	B	093 Spencer	TEXES	JTR	
Jan. 6 Tu	18:00 06:00	B	047 Cernicharo	TEXES	JTR	
Jan. 7 We	18:00 06:00	B	047 Cernicharo	TEXES	JTR	Full moon
Jan. 8 Th	18:00 03:40	B,P	031 Froning	SpeX	SJB	1st night
Jan. 9 Fr	03:40 05:00	B,P	069 Rathbun	SpeX	SJB	Remote obs
	05:00 06:00	B,P	031 Froning	SpeX	SJB	
	18:00 06:00	P	031 Froning	SpeX	SJB	
Jan. 10 --	18:00 06:00	P	031 Froning	SpeX	SJB	
Jan. 11 --	13:00 20:30	D	085 Novak	CSHELL	JTR	
	20:30 06:00	P	043 Herbst	SpeX	JTR	1st night
Jan. 12 Mo	13:00 20:30	D	085 Novak	CSHELL	JTR	
	20:30 06:00	B	043 Herbst	SpeX	JTR	
Jan. 13 Tu	13:00 20:30	D	085 Novak	CSHELL	JTR	
	20:30 06:00	B	043 Herbst	SpeX	JTR	
Jan. 14 We	13:00 19:30	D	085 Novak	CSHELL	JTR	Daytime obs
	19:30 06:00	B	084 Noll	SpeX	JTR	
Jan. 15 Th	13:00 19:30	D	085 Novak	CSHELL	JTR	
	19:30 06:00	B	084 Noll	SpeX	JTR	
Jan. 16 Fr	18:00 06:00	P	071 Connerney	NSFCAM	SJB	
Jan. 17 --	18:00 06:00	P	071 Connerney	NSFCAM	SJB	
Jan. 18 --	18:00 06:00	P	071 Connerney	NSFCAM	SJB	
Jan. 19 Mo	18:00 06:00	P,D	028 Hardersen	SpeX	SJB	
Jan. 20 Tu	18:00 06:00	D	028 Hardersen	SpeX	SJB	
Jan. 21 We	18:00 06:00	D	028 Hardersen	SpeX	SJB	
Jan. 22 Th	18:00 21:00	D,B	040 Walter	CSHELL	JTR	Remote obs
	21:00 06:00	D,B	033 Birlan	SpeX	SJB	Remote obs
Jan. 23 Fr	18:00 06:00	B	033 Birlan	SpeX	SJB	Remote obs
Jan. 24 --	18:00 01:30	B	033 Birlan	SpeX	SJB	Remote obs
Jan. 25 --	01:30 03:00	D	069 Rathbun	SpeX	SJB	Remote obs
	03:00 06:00	D	33 Birlan	SpeX	SJB	
	18:00 06:00	B,P	997 Binzel	SpeX	SJB	
Jan. 26 Mo	18:00 06:00	P	075 Vilas	SpeX	SJB	
Jan. 27 Tu	18:00 06:00	P	075 Vilas	SpeX	SJB	
Jan. 28 We	18:00 06:00	P,D	014 Stockton	NSFCAM	JTR	Remote obs
Jan. 29 Th	18:00 06:00	D	014 Stockton	NSFCAM	JTR	Remote obs
Jan. 30 Fr	18:00 06:00	D	014 Stockton	NSFCAM	JTR	Remote obs
Jan. 31 --	18:00 06:00	D,B	014 Stockton	NSFCAM	JTR	Remote obs

HST Date	HST Time	TO	Prog and PI	Instrument	SA	Comments
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007			Richter, Lacy, Greathouse			
014			Canalizo, Liu			
028			Abell, Gaffey			
031			Robinson			
033			Barucci, Bus, Fulchignoni			
040			Beck, Morse			
041			Greathouse, Bezar, Lacy			
043			Hamilton, Rettig, Walsh			
047			Fonfria, Lacy, Richter			
069			Spencer			
071			Satoh			
075			Abell, Kelley, Clark			
084			Kim, Pak, Geballe			
085			Mumma, DiSanti, Bonev, Swaab, Dunne			
087			Lacy, Jaffe, Blake			
093			Jessup, Richter, Lellouch, Lopez-Valverde			

# January 2004

<b>HST Date</b>	<b>HST Time</b>	<b>TO</b>	<b>Prog and PI</b>	<b>Instrument</b>	<b>SA</b>	<b>Comments</b>
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HST date (Hawaii Standard Time) is listed for the first program starting after midnight (00:00) each day. Any date ambiguities should be resolved by the fact that programs are listed in strict time sequence.

All observing must occur within the listed dates and times and only with the personnel listed on this schedule. Any changes to the dates, times, and observing personnel must be approved by the Division Chief at least 1 month in advance; please submit requests earlier.

Support at the telescope by staff astronomers is only guaranteed for the first night of each observer's first run with an IRTF facility instrument as indicated by "1st Night" in the Comments column above. Please confirm this verbally with your support astronomer.

Please return your Observing Requirements Form by the date indicated, approximately 1 month in advance of your run. Please note that IRTF facility instrumentation is provided as documented on our web site (<http://irtf.ifa.hawaii.edu>); modifications for individuals are usually not possible unless agreed upon by IRTF staff adequately in advance.

Driving IRTF vehicles is a privilege granted to observers. Please read and obey our vehicle policy. This includes using IRTF vehicles only for official travel between Hilo, Hale Pohaku, and the summit at the times you have indicated. All changes to your vehicle usage must be communicated to and approved by Mr. George Koenig, the IRTF Interim Superintendent.

SA (Support Astronomer)

ATT = Alan Tokunaga

EVT=Eric Tollestrup

JTR = John Rayner

SJB = Schelte (Bobby) Bus