

FEBRUARY2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
Feb. 1 --	18:00	06:00	B	064 Livengood	HIPWAC	EVT	Chop sec on
Feb. 2 Mo	18:00	06:00	B	064 Livengood	HIPWAC	EVT	
Feb. 3 Tu	18:00	06:00	B,P	064 Livengood	HIPWAC	EVT	
Feb. 4 We	18:00	06:00	P	064 Livengood	HIPWAC	EVT	
Feb. 5 Th	18:00	03:00	P	042 Orton	NSFCAM/SpeX/MIRSI	SJB	Full moon
Feb. 6 Fr	03:00	06:00	P,D	999 Engineering	TBD		
	18:00	03:00	P,D	042 Orton	NSFCAM/SpeX/MIRSI	SJB	
Feb. 7 --	03:00	06:00	D	999 Engineering	TBD		
	18:00	03:00	D	042 Orton	NSFCAM/SpeX/MIRSI	SJB	
Feb. 8 --	03:00	06:00	D	999 Engineering	TBD		
	18:00	03:00	D	042 Orton	NSFCAM/SpeX/MIRSI	SJB	
Feb. 9 Mo	03:00	06:00	D,B	999 Engineering	TBD		
	18:00	06:00	D,B	070 Sykes	MIRSI	EVT	1st night
Feb. 10 Tu	18:00	06:00	B	X 034 Clark	MIRSI	SJB	1st night; Remote obs-F
Feb. 11 We	18:00	06:00	B	080 Chanover	SpeX	JTR	Chop sec off
Feb. 12 Th	18:00	06:00	B,P	080 Chanover	SpeX	JTR	
Feb. 13 Fr	18:00	06:00	P	080 Chanover	CSHELL	JTR	
Feb. 14 --	18:00	23:59	P	025 Stallard	CSHELL	JTR	
	23:59	06:00	P	001 Lynas-Gray	CSHELL	JTR	
Feb. 15 --	18:00	23:59	P,D	025 Stallard	CSHELL	JTR	
	23:59	06:00	P,D	001 Lynas-Gray	CSHELL	JTR	
Feb. 16 Mo	18:00	23:59	D	025 Stallard	CSHELL	JTR	
	23:59	06:00	D	X 079 Bus	SpeX	SJB	Remote obs-Hilo
Feb. 17 Tu	18:00	23:59	D	025 Stallard	CSHELL	JTR	
	23:59	06:00	D	X 079 Bus	SpeX	SJB	Remote obs-Hilo
Feb. 18 We	18:00	06:00	D,E	X 050 Binzel	SpeX	SJB	Remote obs-ofc
Feb. 19 Th	18:00	06:00	E	X 050 Binzel	SpeX	SJB	Remote obs-ofc
Feb. 20 Fr	18:00	23:59	E	X 096 Grundy	SpeX	JTR	Remote obs-ofc
	23:59	06:00	E	X 066 Marion	SpeX	JTR	Remote obs-ofc
Feb. 21 --	18:00	23:59	E	X 096 Grundy	SpeX	JTR	Remote obs-ofc
	23:59	06:00	E	X 066 Marion	SpeX	JTR	Remote obs-ofc
Feb. 22 --	18:00	06:00	P	052 Connerney	NSFCAM	SJB	
Feb. 23 Mo	18:00	23:59	P	032 Bauer	SpeX	JTR	
	23:59	06:00	P	998 Chanover	NSFCAM	JTR	Engineering
Feb. 24 Tu	18:00	06:00	P	052 Connerney	NSFCAM	SJB	
Feb. 25 We	18:00	23:59	P	032 Bauer	SpeX	JTR	
	23:59	06:00	P	998 Chanover	NSFCAM	JTR	Engineering
Feb. 26 Th	18:00	06:00	D	052 Connerney	NSFCAM	SJB	
Feb. 27 Fr	18:00	23:59	D	032 Bauer	SpeX	JTR	
	23:59	06:00	D	998 Chanover	NSFCAM	JTR	Engineering
Feb. 28 --	18:00	23:59	D	095 Lubowich	CSHELL	SJB	
	23:59	06:00	D	X 074 Stalder	SpeX	JTR	1st night; Remote obs-N
Feb. 29 --	18:00	23:59	D	095 Lubowich	CSHELL	SJB	
	23:59	06:00	D	X 074 Stalder	SpeX	JTR	Remote obs-Manoa

001 Stallard, Miller, Harris, Tennyson
025 Miller, Trafton, Dougherty, Achillesos
032 Buratti, Hicks
034 Harris, Bus, Rivkin, Mueller
042 Fisher, Yanamandra-Fisher
050 Rivkin, Bus
052 Satoh
064 Kostiuik, Sonnabend, Romani, Fast, Hewagama, Annen, Buhl
066 Hoflich, Wheeler, Gerardy, Vacca
070 Lovell, Bus, Fernandez, Tedesco, Lebofsky, Hora, Deutsch, Adams, Kassis
074 Chambers
079 Sunshine
080 BJORAKER, Hewagama, Orton
095 Elliot, Lattanzio, Smith
096 Spencer

February 2004

FEBRUARY2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
----------	----------	----	--------	-------------	------------	----	----------

MARCH2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments	
Mar. 1 Mo	18:00	23:59	P	X	096 Grundy	SpeX	JTR	Remote obs-ofc
	23:59	06:00	P	X	074 Stalder	SpeX	JTR	Remote obs-Manoa
Mar. 2 Tu	18:00	23:59	P	X	096 Grundy	SpeX	JTR	Remote obs-ofc
	23:59	06:00	P	X	074 Stalder	SpeX	JTR	Remote obs-Manoa
Mar. 3 We	18:00	06:00	P	X	007 Birlan	SpeX	SJB	Remote obs-ofc
Mar. 4 Th	18:00	23:59	P,B		029 Bjorkman	SpeX	JTR	1st night
	23:59	06:00	P,B	X	079 Bus	SpeX	SJB	Remote obs-Hilo
Mar. 5 Fr	18:00	23:59	B		029 Bjorkman	SpeX	JTR	Full moon
	23:59	06:00	B	X	079 Bus	SpeX	SJB	Remote obs-Hilo
Mar. 6 --	18:00	23:59	B		029 Bjorkman	SpeX	JTR	
	23:59	06:00	B	X	066 Marion	SpeX	JTR	Remote obs-ofc
Mar. 7 --	18:00	06:00	B,D	X	067 Rayner	SpeX	JTR	Remote obs-Manoa
Mar. 8 Mo	18:00	06:00	D	X	067 Rayner	SpeX	JTR	Remote obs-Manoa
Mar. 9 Tu	18:00	06:00	D		008 Burgasser	SpeX	JTR	
Mar. 10 We	18:00	23:30	D,P		008 Burgasser	SpeX	JTR	
	23:30	00:30	D,P	X	071 Rathbun	SpeX	JTR	Remote obs-ofc
Mar. 11 Th	00:30	06:00	P		008 Burgasser	SpeX	JTR	
	18:00	06:00	P		008 Burgasser	SpeX	JTR	
Mar. 12 Fr	18:00	23:30	P	X	041 Simon	CSHELL	JTR	Remote obs-Manoa
	23:30	06:00	P		008 Burgasser	SpeX	JTR	
Mar. 13 --	18:00	23:30	P	X	041 Simon	CSHELL	JTR	Remote obs-Manoa
	23:30	06:00	P		008 Burgasser	SpeX	JTR	
Mar. 14 --	11:00	18:00	D,E		086 Novak	CSHELL	JTR	
	18:00	23:59	B		075 Witt	SpeX	SJB	1st night
	23:59	06:00	B		063 Lane	NSFCAM	JTR	1st night
Mar. 15 Mo	11:00	18:00	D,E		086 Novak	CSHELL	JTR	
	18:00	23:59	B		075 Witt	SpeX	SJB	
	23:59	06:00	B		063 Lane	NSFCAM	JTR	
Mar. 16 Tu	11:00	18:00	D,E		086 Novak	CSHELL	JTR	
	18:00	23:59	B		075 Witt	SpeX	SJB	
	23:59	06:00	B		063 Lane	NSFCAM	JTR	
Mar. 17 We	11:00	18:00	D,E		086 Novak	CSHELL	JTR	
	18:00	06:00	B		063 Lane	NSFCAM	JTR	
	18:00	06:00	P	X	031 Turnshek	NSFCAM	JTR	Remote obs-Hilo
Mar. 18 Th	18:00	06:00	P	X	031 Turnshek	NSFCAM	JTR	Remote obs-Hilo
Mar. 19 Fr	18:00	06:00	P	X	031 Turnshek	NSFCAM	JTR	Remote obs-Hilo
Mar. 20 --	18:00	06:00	P	X	031 Turnshek	NSFCAM	JTR	Remote obs-Hilo
Mar. 21 --	18:00	06:00	P	X	031 Turnshek	NSFCAM	JTR	Remote obs-Hilo
Mar. 22 Mo	15:00	18:00	D		997 Yanamandra-Fisher	SpeX/MIRSI	EVT	Chop sec on
	18:00	23:59	B		042 Orton	NSFCAM/SpeX/MIRSI	SJB	
	23:59	06:06	B		996 Binzel	SpeX	SJB	Engineering
Mar. 23 Tu	15:00	18:00	D		997 Yanamandra-Fisher	SpeX/MIRSI	EVT	
	18:00	23:59	B		042 Orton	NSFCAM/SpeX/MIRSI	SJB	
	23:59	06:00	B		027 Tedesco	MIRSI	EVT	Remote obs-ofc
Mar. 24 We	15:00	18:00	D		997 Yanamandra-Fisher	SpeX/MIRSI	EVT	
	18:00	23:59	B		042 Orton	NSFCAM/SpeX/MIRSI	SJB	
	23:59	06:00	B		027 Tedesco	MIRSI	EVT	Remote obs-ofc
Mar. 25 Th	15:00	18:00	D		997 Yanamandra-Fisher	SpeX/MIRSI	EVT	
	18:00	23:59	B		019 Harris	MIRSI	EVT	
	23:59	06:00	B		027 Tedesco	MIRSI	EVT	Remote obs-ofc
Mar. 26 Fr	15:00	18:00	D		997 Yanamandra-Fisher	SpeX/MIRSI	EVT	
	18:00	06:00	P		027 Tedesco	MIRSI	EVT	Remote obs-ofc
Mar. 27 --	15:00	18:00	D		997 Yanamandra-Fisher	SpeX/MIRSI	EVT	
	18:00	23:59	P		048 Tokunaga	MIRSI	EVT	
	23:59	06:00	P		027 Tedesco	MIRSI	EVT	
Mar. 28 --	18:00	06:00	P	X	068 Rayner	SpeX	JTR	Remote obs-Manoa
Mar. 29 Mo	18:00	06:00	P		999 Engineering	TBD		Chop sec off
Mar. 30 Tu	18:00	06:00	B		999 Engineering	TBD		
Mar. 31 We	18:00	06:00	B		999 Engineering	TBD		

MARCH2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
----------	----------	----	--------	-------------	------------	----	----------

007				Barucci, Fulchignoni, Bus			
008				McElwain, Kirtpatrick			
019				Muller, Bus, Delbo, Deutsch, Adams, Kassis, Hora			
027				Bus, Bottke, Davis, Cellino, Delbo, Morbidelli, Deutsch, Hora, Adams, Kassis			
029				Wisniewski, Bjorkman, Carciofi			
031				Rao, Nestor, Monier			
041				Rayner, Vacca			
042				Fisher, Yanamandra-Fisher			
048				Bus, Hicks			
063				Cohen, Kassim, Lazio			
066				Hoflich, Wheeler, Gerardy, Vacca			
067				Vacca, Cushing, Gregg, Schreiber			
068				Gregg, Vacca, Silva			
071				Spencer, Marchis, Tokunaga			
074				Chambers			
075				Vijh, Smith, Gordon			
079				Sunshine			
086				Mumma, DiSanti, Bonev			
096				Spencer			

March 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
Apr. 1 Th	18:00 06:00	B		999 Engineering	TBD		
Apr. 2 Fr	18:00 06:00	B,D		020 Imanishi	NSFCAM	JTR	
Apr. 3 --	18:00 06:00	D		020 Imanishi	NSFCAM	JTR	
Apr. 4 --	18:00 22:30	D		020 Imanishi	NSFCAM	JTR	
	22:30 01:00	D	X	009 Cruikshank	NSFCAM	SJB	Remote obs-ofc
Apr. 5 Mo	01:00 06:00	D		020 Imanishi	NSFCAM	JTR	Full moon
	17:00 20:00	D,P	X	995 Mumma	CSHELL	SJB	Remote obs-ofc
	20:00 06:00	D,P	X	998 Chanover	NSFCAM	SJB	Remote obs-ofc
Apr. 6 Tu	17:00 20:00	P	X	995 Mumma	CSHELL	SJB	Remote obs-ofc
	20:00 06:00	P	X	998 Chanover	NSFCAM	SJB	Remote obs-ofc
Apr. 7 We	17:00 20:00	P	X	995 Mumma	CSHELL	SJB	Remote obs-ofc
	20:00 06:00	P	X	998 Chanover	NSFCAM	SJB	Remote obs-ofc
Apr. 8 Th	15:00 20:00	P	X	995 Mumma	CSHELL	SJB	Remote obs-ofc
	20:00 06:00	P	X	028 Quillen	NSFCAM	SJB	Remote obs-ofc
Apr. 9 Fr	18:00 06:00	B	X	028 Quillen	NSFCAM	SJB	Remote obs-ofc
Apr. 10 --	18:00 06:00	B	X	028 Quillen	NSFCAM	SJB	Remote obs-ofc
Apr. 11 --	18:00 06:00	B	X	028 Quillen	NSFCAM	SJB	Remote obs-ofc
Apr. 12 Mo	18:00 00:20	B		006 Nagao	NSFCAM	JTR	1st night
Apr. 13 Tu	00:20 02:50	E	X	009 Cruikshank	NSFCAM	SJB	Remote obs-ofc
	02:50 06:00	E		006 Nagao	NSFCAM	JTR	
	18:00 06:00	E		006 Nagao	NSFCAM	JTR	
Apr. 14 We	18:00 06:00	E		006 Nagao	NSFCAM	JTR	
Apr. 15 Th	18:00 06:00	E		999 Engineering	TBD		
Apr. 16 Fr	18:00 06:00	E		999 Engineering	TBD		
Apr. 17 --	18:00 06:00	P		999 Engineering	TBD		
Apr. 18 --	18:00 06:00	P		999 Engineering	TBD		
Apr. 19 Mo	18:00 06:00	P	X	037 Cruz	NSFCAM	JTR	Remote obs-ofc
Apr. 20 Tu	18:00 20:45	P	X	037 Cruz	NSFCAM	JTR	Remote obs-ofc
	20:45 23:15	P	X	009 Cruikshank	NSFCAM	SJB	Remote obs-ofc
	23:15 06:00	P	X	037 Cruz	NSFCAM	JTR	Remote obs-ofc
Apr. 21 We	18:00 06:00	D		072 Rodriguez-Ardila	NSFCAM	SJB	
Apr. 22 Th	18:00 06:00	D		072 Rodriguez-Ardila	NSFCAM	SJB	
Apr. 23 Fr	18:00 06:00	E		088 Levenson	NSFCAM	SJB	1st night
Apr. 24 --	18:00 06:00	E		088 Levenson	NSFCAM	SJB	
Apr. 25 --	18:00 06:00	P	X	091 Silge	SpeX	SJB	Remote obs-ofc
Apr. 26 Mo	18:00 06:00	P	X	091 Silge	SpeX	SJB	Remote obs-ofc
Apr. 27 Tu	18:00 22:45	P	X	091 Silge	SpeX	SJB	Remote obs-ofc
	22:45 01:15	P	X	009 Cruikshank	SpeX	SJB	Remote obs-ofc
Apr. 28 We	01:15 06:00	P	X	091 Silge	SpeX	SJB	Remote obs-ofc
	18:00 06:00	P	X	091 Silge	SpeX	SJB	Remote obs-ofc
Apr. 29 Th	18:00 06:00	D	X	068 Rayner	SpeX	JTR	Remote obs-Manoa
Apr. 30 Fr	18:00 06:00	D	X	068 Rayner	SpeX	JTR	Remote obs-Manoa

006 Imanishi, Murayama, Taniguchi

009 Emery, Belluci, D'Aversa, Formisano, Brown

018 Marcq, Birlan

020 Wada

028 Thorndike, Laor, Alonso-Herrero, Moran, Peterson, Lira, Fillipenko, Maoz, Ho

037 Reid

068 Gregg, Vacca, Silva

072 Pastoriza

088 Vacca, Graham, Elitzur

091 Gebhardt

April**2004**

MAY2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
May. 1 --	18:00	06:00	D	012 Leone	CSHELL	SJB	
May. 2 --	18:00	03:30	D	012 Leone	CSHELL	SJB	
May. 3 Mo	03:30	12:00	B	082 DiSanti	CSHELL	JTR	
	18:00	20:00	P	083 Young, E.	SpeX	JTR	
	20:00	03:30	P	012 Leone	CSHELL	SJB	
May. 4 Tu	03:30	12:00	B	082 DiSanti	CSHELL	JTR	Full moon
	18:00	06:00	P	083 Young, E.	SpeX	JTR	
	20:00	04:00	P	012 Leone	CSHELL	SJB	
May. 5 We	04:00	11:00	B	053 Dello Russo	CSHELL	JTR	Day
	18:00	20:00	P	083 Young, E.	SpeX	JTR	
	20:00	04:00	P	X 079 Bus	SpeX	SJB	Remote obs-Hilo
May. 6 Th	04:00	11:00	D	053 Dello Russo	CSHELL	JTR	Day
	18:00	21:30	E	X 009 Cruikshank	SpeX	SJB	Remote obs-ofc
	21:30	04:00	E	X 079 Bus	SpeX	SJB	Remote obs-Hilo
May. 7 Fr	04:00	11:00	D	053 Dello Russo	CSHELL	JTR	Day
	18:00	20:00	E	083 Young, E.	SpeX	JTR	
	20:00	04:00	E	X 066 Marion	SpeX	JTR	Remote obs
May. 8 --	04:00	11:00	D	089 Magee-Sauer	CSHELL	JTR	Day
	18:00	20:00	E	083 Young, E.	SpeX	JTR	
	20:00	04:00	E	010 Hardersen	SpeX	SJB	
May. 9 --	04:00	11:00	D	089 Magee-Sauer	CSHELL	JTR	Day
	18:00	20:00	E	083 Young, E.	SpeX	JTR	
	20:00	04:00	E	010 Hardersen	SpeX	SJB	
May. 10 Mo	11:30	22:00	B	093 Wooden	HIFOGS	EVT	Chop sec on
	22:00	06:00	P	084 Gregg	SpeX	JTR	
May. 11 Tu	09:00	22:00	B	093 Wooden	HIFOGS	EVT	
	22:00	06:00	P	084 Gregg	SpeX	JTR	
May. 12 We	09:00	22:00	B	093 Wooden	HIFOGS	EVT	
	22:00	06:00	P	084 Gregg	SpeX	JTR	
May. 13 Th	16:00	23:59	P	089 Magee-Sauer	CSHELL	JTR	Chop sec off
	23:59	06:00	E	047 Volquardsen	SpeX	SJB	1st night
May. 14 Fr	11:00	23:00	D	092 Weaver	CSHELL	JTR	
	23:00	06:00	E	047 Volquardsen	SpeX	SJB	
May. 15 --	11:00	23:00	D	092 Weaver	CSHELL	JTR	
	23:00	06:00	E	087 Eikenberry	SpeX	JTR	1st night
May. 16 --	11:00	23:00	D	092 Weaver	CSHELL	JTR	
	23:00	06:00	E,B	054 Eikenberry	SpeX	JTR	
May. 17 Mo	16:00	23:59	B	053 Dello Russo	CSHELL	JTR	
	23:59	06:00	B	054 Eikenberry	SpeX	JTR	
May. 18 Tu	16:00	23:59	B	053 Dello Russo	CSHELL	JTR	
	23:59	06:00	B	054 Eikenberry	SpeX	JTR	
May. 19 We	16:00	23:59	B,P	053 Dello Russo	CSHELL	JTR	
	23:59	06:00	B,P	003 Elvis	SpeX	SJB	
May. 20 Th	17:00	23:00	P	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Chop sec on; remote obs
	23:00	06:00	P	003 Elvis	SpeX	SJB	
May. 21 Fr	17:00	23:00	P	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Remote obs-ofc
	23:00	06:00	P	003 Elvis	SpeX	SJB	
May. 22 --	17:00	23:00	D	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Remote obs-ofc
	23:00	06:00	D	003 Elvis	SpeX	SJB	
May. 23 --	18:00	06:00	D	003 Elvis	SpeX	SJB	
May. 24 Mo	18:00	06:00	D	X 074 Stalder	SpeX	JTR	Remote obs-Manoa
May. 25 Tu	14:00	17:00	P,B	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Day remote obs-ofc
	17:00	18:00	P,B	X 071 Rathbun	SpeX	JTR	Day remote obs-ofc
	18:00	20:00	B	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Day remote obs-ofc
	20:00	06:00	B	X 081 Connelley	SpeX	SJB	1st night; Remote obs-F
May. 26 We	14:00	17:00	P,B	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Day remote obs-ofc
	17:00	18:00	P,B	X 071 Rathbun	SpeX	JTR	Day remote obs-ofc
	18:00	20:00	B	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Day remote obs-ofc

MAY2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
	20:00 06:00	B	X	081 Connelley	SpeX	SJB	Remote obs-Hilo
May. 27 Th	14:00 17:00	P,B	X	085 Lisse	MIRSI/SpeX/Apogee	EVT	Day remote obs-ofc
	17:00 18:00	P,B	X	071 Rathbun	SpeX	JTR	Day remote obs-ofc
	18:00 20:00	B	X	085 Lisse	MIRSI/SpeX/Apogee	EVT	Day remote obs-ofc
	20:00 06:00	B	X	081 Connelley	SpeX	SJB	Remote obs-Hilo
May. 28 Fr	16:00 23:59	B		089 Magee-Sauer	CSHELL	JTR	Chop sec off
	23:59 06:00	B	X	081 Connelley	SpeX	SJB	Remote obs-Hilo
May. 29 --	16:00 23:59	D		089 Magee-Sauer	CSHELL	JTR	
	23:59 06:00	D	X	066 Marion	SpeX	JTR	Remote obs-ofc
May. 30 --	16:00 23:59	D		053 Dello Russo	CSHELL	JTR	
	23:59 06:00	D	X	066 Marion	SpeX	JTR	Remote obs-ofc
May. 31 Mo	16:00 23:59	D		053 Dello Russo	CSHELL	JTR	
	23:59 06:00	D	X	994 Rodriguez-Ardila	SpeX	SJB	Remote obs-ofc

003 Karovska, Ward, Peterson, Korista, Marengo, Murray

009 Emery, Belluci, D'Aversa, Formisano, Brown

010 Abell, Gaffey

012 Vacca

047 Rivkin

053 Mumma, DiSanti, Bonev, Magee-Sauer, Gibb, Anderson

054 Patel

066 Hoflich, Wheeler, Gerardy, Vacca

071 Spencer, Marchis, Tokunaga

074 Chambers

079 Sunshine

081 Tokunaga, Reipurth

082 Mumma, Dello Russo, Bonev, Magee-Sauer, Gibb, Anderson

083 Bullock, Encrenaz

084 Glikman, Lacy, Becker

085 A'Hearn, Tokunaga, Fernandez, Deutsch, Hora, Kassis

087 Lavine, Smith

089 Mumma, DiSanti, Dello Russo, Bonev, Gibb

092 Chin, Brooke, Kim, Biver, Bockelee-Morvan, Crovisier

093 Harker, Woodward, Kelley

May 2004

JUNE2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
Jun. 1 Tu	16:00 23:59	D,P		053 Dello Russo	CSHELL	JTR	
	23:59 06:00	D,P	X	994 Rodriguez-Ardila	SpeX	SJB	Remote obs-ofc
Jun. 2 We	18:00 23:59	P		999 Engineering	autofocus/dome	EVT	Chop sec on
	23:59 06:00	P	X	993 Shah		EVT	Remote obs-ofc
Jun. 3 Th	12:00 23:59	B,P		017 Woodward	MIRSI	EVT	1st night; Full moon
	23:59 06:00	P	X	995 Shah	MIRSI	EVT	Remote obs-ofc
Jun. 4 Fr	12:00 23:59	B,D		017 Woodward	MIRSI	EVT	
	23:59 06:00	D		027 Tedesco	MIRSI	EVT	
Jun. 5 --	12:00 23:59	B,D		017 Woodward	MIRSI	EVT	
	23:59 06:00	D		027 Tedesco	MIRSI	EVT	
Jun. 6 --	18:00 23:59	D	X	016 Quillen	MIRSI	EVT	Remote obs-ofc
	23:59 06:00	D		027 Tedesco	MIRSI	EVT	
Jun. 7 Mo	18:00 23:59	D	X	016 Quillen	MIRSI	EVT	Remote obs-ofc
	23:59 06:00	D		027 Tedesco	MIRSI	EVT	
Jun. 8 Tu	18:00 23:59	P	X	016 Quillen	MIRSI	EVT	Remote obs-ofc
	23:59 06:00	P		027 Tedesco	MIRSI	EVT	
Jun. 9 We	18:00 23:59	P	X	016 Quillen	MIRSI	EVT	Remote obs-ofc
	23:59 06:00	P	x	995 Shah	MIRSI	EVT	Remote obs-ofc
Jun. 10 Th	18:00 23:59	P	X	016 Quillen	MIRSI	EVT	Remote obs-ofc
	23:59 06:00	P	x	995 Shah	MIRSI	EVT	Remote obs-ofc
Jun. 11 Fr	18:00 06:00	P,B		055 Glikman	SpeX	JTR	Chop sec off
Jun. 12 --	18:00 06:00	B		055 Glikman	SpeX	JTR	
Jun. 13 --	18:00 23:30	B		996 Binzel	SpeX	SJB	Engineering
	23:30 06:00	B	X	041 Simon	CSHELL	JTR	Remote obs-Manoa
Jun. 14 Mo	18:00 23:30	B,D		996 Binzel	SpeX	SJB	Engineering
	23:30 06:00	B,D	X	041 Simon	CSHELL	JTR	Remote obs-Manoa
Jun. 15 Tu	18:00 06:00	D		999 Engineering	TBD		
Jun. 16 We	18:00 06:00	D		999 Engineering	TBD		
Jun. 17 Th	18:00 06:00	D,P		999 Engineering	TBD		
Jun. 18 Fr	18:00 06:00	P		002 Cami	SpeX	JTR	1st night
Jun. 19 --	18:00 06:00	P		002 Cami	SpeX	JTR	
Jun. 20 --	18:00 06:00	P,B	X	044 Rivkin	SpeX	SJB	Remote obs-ofc
Jun. 21 Mo	18:00 19:00	B	X	044 Rivkin	SpeX	SJB	Remote obs-ofc
	19:00 21:30	B	X	009 Cruikshank	SpeX	SJB	Remote obs-ofc
	21:30 06:00	B	X	044 Rivkin	SpeX	SJB	Remote obs-ofc
Jun. 22 Tu	18:00 23:59	B		027 Tedesco	MIRSI	EVT	Chop sec on
	23:59 06:00	B		019 Harris	MIRSI	EVT	
Jun. 23 We	18:00 23:59	B,D		019 Harris	MIRSI	EVT	
	23:59 06:00	B,D		070 Sykes	MIRSI	EVT	
Jun. 24 Th	18:00 06:00	D	X	079 Bus	SpeX	SJB	Remote obs-Hilo
Jun. 25 Fr	18:00 06:00	D	X	079 Bus	SpeX	SJB	Remote obs-Hilo
Jun. 26 --	18:00 23:59	D,P		038 Forrest	MIRSI	EVT	1st night
	23:59 06:00	D,P	X	993 Shah	MIRSI	EVT	Remote obs-ofc
Jun. 27 --	18:00 23:59	P		038 Forrest	MIRSI	EVT	
	23:59 06:00	P	X	022 Young, L.	SpeX	SJB	Remote obs-ofc
Jun. 28 Mo	11:00 22:00	E		017 Woodward	MIRSI	EVT	
	22:00 06:00	P	X	073 Sromovsky	SpeX	SJB	Remote obs-ofc
Jun. 29 Tu	11:00 22:00	E		017 Woodward	MIRSI	EVT	
	22:00 06:00	P	X	073 Sromovsky	SpeX	SJB	Remote obs-ofc
Jun. 30 We	11:00 22:00	E		017 Woodward	MIRSI	EVT	
	22:00 06:00	B	X	073 Sromovsky	SpeX	SJB	Remote obs-ofc

002 Mattioda, Peeters, Salama, Allamandola, Ehrenfreund

009 Emery, Belluci, D'Aversa, Formisano, Brown

016 Thorndike, Kassis, Alonso-Herrero, Hora, Deutsch, Lira, Imanishi

017 Harker, Hora, Wooden, Kelley

019 Muller, Bus, Delbo, Deutsch, Adams, Kassis, Hora

022 Grundy, Young

June

2004

JUNE2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
027				Bus, Bottke, Davis, Cellino, Delbo, Morbidelli, Deutsch, Hora, Adams, Kassis	IRTF		IRTF
038				Hora, Furlan, Watson, Deutsch, Uchida, Kassis			
041				Rayner, Vacca			
044				Volquardsen, Bus			
048				Bus, Hicks			
053				Mumma, DiSanti, Bonev, Magee-Sauer, Gibb, Anderson			
055				Gregg, Lacy, Helfand, Becker, White			
070				Lovell, Bus, Fernandez, Tedesco, Lebofsky, Hora, Deutsch, Adams, Kassis			
073				Fry			
079				Sunshine			

JULY2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
Jul. 1 Th	18:00	23:59	B	999 Engineering	TBD		Chop sec off
	23:59	06:00	B	095 Lubowich	CSHELL	SJB	
Jul. 2 Fr	18:00	23:59	B	999 Engineering	TBD		Full moon
	23:59	06:00	B	095 Lubowich	CSHELL	SJB	
Jul. 3 --	18:00	05:00	B	X 067 Rayner	SpeX	JTR	Remote obs-Manoa
Jul. 4 --	05:00	08:30	E	083 Young, E.	SpeX	SJB	
	18:00	03:00	P	X 067 Rayner	SpeX	JTR	Remote obs-Manoa
Jul. 5 Mo	03:00	06:00	P	X 057 Grundy	SpeX	SJB	Remote obs-ofc
	06:00	08:30	E	083 Young, E.	SpeX	SJB	
	18:00	05:00	P	X 035 Britt	SpeX	SJB	Remote obs-ofc
Jul. 6 Tu	05:00	08:30	D	083 Young, E.	SpeX	SJB	
	18:00	05:00	P	015 Kafka	SpeX	JTR	1st night
Jul. 7 We	05:00	08:30	D	083 Young, E.	SpeX	SJB	
	18:00	05:00	P	015 Kafka	SpeX	JTR	
Jul. 8 Th	05:00	08:30	D	083 Young, E.	SpeX	SJB	
	17:00	22:00	B	082 DiSanti	CSHELL	JTR	Chop sec on
	22:00	04:30	B	027 Tedesco	MIRSI	EVT	
Jul. 9 Fr	04:30	08:30	D	083 Young, E.	SpeX	EJB	
	17:00	22:00	B	082 DiSanti	CSHELL	JTR	
	22:00	04:30	B	023 Mueller	MIRSI	EVT	
Jul. 10 --	04:30	08:30	E	083 Young, E.	SpeX	SJB	
	17:00	22:00	B	082 DiSanti	CSHELL	JTR	
	22:00	04:30	B	027 Tedesco	MIRSI	EVT	
Jul. 11 --	04:30	08:30	E	083 Young, E.	SpeX	SJB	
	17:00	18:00	B	X 071 Rathbun	SpeX	SJB	Day remote obs-ofc
	18:00	05:00	B	X 033 Clark	SpeX	SJB	Remote obs-ofc
Jul. 12 Mo	05:00	08:30	E	083 Young, E.	SpeX	SJB	
	17:00	18:00	P	X 071 Rathbun	SpeX	JTR	Day remote obs-ofc
	18:00	23:59	P	X 033 Clark	SpeX	SJB	Remote obs-ofc
	23:59	06:00	P	X 058 Grundy	SpeX	SJB	Remote obs-ofc
Jul. 13 Tu	06:00	08:30	E	083 Young, E.	SpeX	SJB	
	18:00	06:00	P	X 069 Pendleton	SpeX	SJB	1st night; remote obs-H
Jul. 14 We	18:00	23:59	P	X 069 Pendleton	SpeX	SJB	Remote obs-Hilo
	23:59	06:00	P	X 058 Grundy	SpeX	SJB	Remote obs-ofc
Jul. 15 Th	18:00	03:00	P	X 069 Pendleton	SpeX	SJB	Remote obs-Hilo
Jul. 16 Fr	03:00	06:00	B	X 057 Grundy	SpeX	SJB	Remote obs-ofc
Jul. 17 --	18:00	06:00	B	X 069 Pendleton	SpeX	SJB	Remote obs-Hilo
	18:00	23:30	B	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Remote obs-ofc
Jul. 18 --	23:30	06:00	B	069 Pendleton	SpeX	SJB	
	18:00	23:30	B	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Remote obs-ofc
Jul. 19 Mo	23:30	06:00	B	078 Bosh	SpeX	JTR	
	18:00	23:30	P	X 085 Lisse	MIRSI/SpeX/Apogee	EVT	Remote obs-ofc
Jul. 20 Tu	23:30	06:00	P	078 Bosh	SpeX	JTR	
	18:00	23:59	P	048 Tokunaga	MIRSI	EVT	
Jul. 21 We	23:59	06:00	P	X 066 Marion	SpeX	JTR	Remote obs-ofc
	18:00	06:00	P	051 Burgasser	SpeX	JTR	
Jul. 22 Th	18:00	06:00	P	051 Burgasser	SpeX	JTR	
Jul. 23 Fr	18:00	06:00	P	051 Burgasser	SpeX	JTR	
Jul. 24 --	18:00	06:00	B	051 Burgasser	SpeX	JTR	
Jul. 25 --	11:00	20:00	E,B	093 Wooden	HIFOGS	EVT	
	18:00	06:00	B	X 079 Bus	SpeX	SJB	Remote obs-Hilo
Jul. 26 Mo	11:00	20:00	E,B	093 Wooden	HIFOGS	EVT	
	20:00	03:00	B	X 057 Grundy	SpeX	SJB	Remote obs-ofc
Jul. 27 Tu	11:00	20:00	E,B,D	093 Wooden	HIFOGS	EVT	
	20:00	23:59	B,D	X 066 Marion	SpeX	SJB	Remote obs-ofc
	23:59	03:00	B,D	X 022 Young, L.	SpeX	SJB	Remote obs-ofc
Jul. 28 We	03:00	06:00	B,D	X 066 Marion	SpeX	SJB	Remote obs-ofc
	18:00	23:59	D	023 Mueller	MIRSI	EVT	

JULY2004 IRTF TELESCOPE SCHEDULE:

July 19, 2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
	23:59 06:00	D		026 Stallard	CSHELL	JTR	
Jul. 29 Th	18:00 23:59	D		019 Harris	MIRSI	EVT	
	23:59 06:00	D		026 Stallard	CSHELL	JTR	
Jul. 30 Fr	16:00 21:00	D,P	X	082 DiSanti	CSHELL	JTR	Chop sec off
	21:00 06:00	D,P		026 Stallard	CSHELL	JTR	
Jul. 31 --	16:00 21:00	P	X	082 DiSanti	CSHELL	JTR	
	21:00 06:00	P		026 Stallard	CSHELL	JTR	

- 015 Howell, Harrison, Honeycutt
- 019 Muller, Bus, Delbo, Deutsch, Adams, Kassis, Hora
- 022 Grundy, Young
- 023 Harris, Bus, Delbo, Deutsch, Adams, Kassis, Hora
- 026 Miller, Trafton, Geballe
- 027 Bus, Bottke, Davis, Cellino, Delbo, Morbidelli, Deutsch, Hora, Adams, Kassis
- 033 Rivkin, Bus
- 048 Bus, Hicks
- 051 Kirkpatrick, Lepine, Reid, Gizis, Rich
- 057 Young, Young
- 058 Young, Young
- 066 Hoflich, Wheeler, Gerardy, Vacca
- 067 Vacca, Cushing, Gregg, Schreiber
- 069 Keane, Geballe, Tokunaga
- 071 Spencer, Marchis, Tokunaga
- 078 French, Olkin, Levine
- 079 Sunshine
- 082 Mumma, Dello Russo, Bonev, Magee-Sauer, Gibb, Anderson
- 083 Bullock, Encrenaz
- 085 A'Hearn, Tokunaga, Fernandez, Deutsch, Hora, Kassis
- 093 Harker, Woodward, Kelley
- 095 Elliot, Lattanzio, Smith

July

2004

HST Date	HST Time	TO	Remote	Prog and PI	Instrument	SA	Comments
----------	----------	----	--------	-------------	------------	----	----------

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)

EVT=Eric Tollestrup

JTR = John Rayner

SJB = Schelte (Bobby) Bus