

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Feb. 1 Tu	17:45 18:15	M,M		--- facility open			
	18:15 21:15	M,M	X	052 Saki	iSHELL	MSC	
	21:15 21:45	M,M		--- inst. change			
Feb. 2 We	21:45 00:45	M,M	X	041 Rushton	SpeX	MSC	
	00:45 04:00	M,M		999 Engineering	TBD	SJB	
	04:00 05:45	M,M	X	050 Treu	SpeX	ACB	First Night
	05:45 06:30	W	X	021 Willner	SpeX/MORIS	ACB	
	06:30 10:30	W	X	058 Young	SpeX/MORIS	ACB	Daylight Obs
	10:30 10:40	W		--- facility close			
	10:40 16:00			--- inst. change			
Feb. 2 We	17:45 18:15	M,M		--- facility open			
	18:15 21:15	M,M	X	052 Saki	iSHELL	MSC	
	21:15 21:45	M,M		--- inst. change			
	21:45 00:45	M,M	X	085 Trilling	MIRSI/MOC	MSC	
Feb. 3 Th	00:45 01:15	M,M		--- inst. change			
	01:15 04:30	M,M		999 Engineering	TBD	SJB	
	04:30 06:30	M,M,W	X	023 Mitchell	SpeX	ACB	
	06:30 10:30	W	X	058 Young	SpeX/MORIS	ACB	Daylight Obs
	10:30 10:40	W		--- facility close			
Feb. 3 Th	18:30 19:00	M,M		--- facility open			
	19:00 20:00	M,M	X	027 Connelley	SpeX	MSC	
	20:00 23:00	M,M	X	007 Sitko	SpeX	MSC	
	23:00 02:30	M,M	X	072 Protopapa	SpeX/MORIS	MSC	
Feb. 4 Fr	02:30 04:30	M,M	X	051 Tinyanont	SpeX/MORIS	MSC	
	04:30 06:30	M,M	X	093 Rubin	SpeX	MSC	
	06:30 10:30	W	X	058 Young	SpeX/MORIS	SJB	Daylight Obs
	10:30 10:40	W		--- facility close			
Feb. 4 Fr	18:30 19:00	M,M,E		--- facility open			
	19:00 23:30	M,M,E	X	075 Stringfellow	SpeX/MORIS	SJB	
	23:30 04:00	M,M	X	092 Shahbandeh	SpeX/MORIS	ACB	
Feb. 5 Sa	04:00 05:45	M,M	X	050 Treu	SpeX	ACB	
	05:45 06:30	M,M		999 Engineering	TBD	SJB	
	06:30 10:30	W	X	058 Young	SpeX/MORIS	SJB	Daylight Obs
	10:30 11:00	W		--- inst. change			
	11:00 11:10	W		--- facility close			
Feb. 5 Sa	18:30 19:00	E		--- facility open			
	19:00 21:00	E	X	070 Muirhead	iSHELL	ACB	
	21:00 21:30	E		--- inst. change			
	21:30 03:30	E	X	076 Sonnett	SpeX	SJB	
Feb. 6 Su	03:30 06:30	E	X	093 Rubin	SpeX	SJB	
	06:30 10:30	W	X	058 Young	SpeX/MORIS	SJB	Daylight Obs
	10:30 11:00	W		--- inst. change			

	11:00	11:10	W				---	facility close		
Feb. 6 Su	18:30	19:00	E				---	facility open		
	19:00	21:00	E	X	070	Muirhead	iSHELL		ACB	
	21:00	06:20	E	X	015	Han	iSHELL		ACB	
Feb. 7 Mo	06:20	06:30	E				---	facility close		
Feb. 7 Mo	18:30	19:00	E,W				---	facility open		
	19:00	21:00	E,W	X	070	Muirhead	iSHELL		ACB	
	21:00	21:30	E,W				---	inst. change		
	21:30	02:35	E,W	X	047	Rackham	SpeX		ACB	
Feb. 8 Tu	02:35	04:20	E	X	050	Treu	SpeX		ACB	
	04:20	06:20	E	X	023	Mitchell	SpeX		ACB	
	06:20	06:30	E				---	facility close		
	18:30	06:30	W		999	Engineering	TBD		SJB	MIM Engineering
Feb. 9 We	18:30	06:30	W		999	Engineering	TBD		SJB	MIM Engineering
Feb. 10 Th	18:30	19:00	W,G				---	facility open		
	19:00	21:00	W,G	X	070	Muirhead	iSHELL		ACB	
	21:00	21:30	W,G				---	inst. change		
	21:30	03:30	W,G	X	047	Rackham	SpeX		MSC	
Feb. 11 Fr	03:30	05:15	W	X	050	Treu	SpeX		MSC	
	05:15	06:00	W	X	021	Willner	SpeX/MORIS		MSC	
	06:00	06:30	W				---	inst. change		
	06:30	12:30	M,M	X	037	Aoki	iSHELL		ACB	Daylight Obs
	12:30	13:00	M,M				---	inst. change		
	13:00	13:10	M,M				---	facility close		
Feb. 11 Fr	18:30	19:00	G				---	facility open		
	19:00	20:00	G	X	027	Connelley	SpeX		MSC	
	20:00	23:00	G	X	007	Sitko	SpeX		MSC	
	23:00	06:30	G	X	029	Faherty	SpeX		MSC	
Feb. 12 Sa	06:30	10:30	M,M	X	058	Young	SpeX/MORIS		SJB	Daylight Obs
	10:30	10:40	M,M				---	facility close		
Feb. 12 Sa	18:30	19:00	G				---	facility open		
	19:00	21:00	G	X	063	Kareta	SpeX		SJB	ToO observation
	21:00	23:30	G	X	069	Howell	SpeX		SJB	
	23:30	04:00	G	X	076	Sonnett	SpeX		SJB	
Feb. 13 Su	04:00	06:30	G	X	093	Rubin	SpeX		SJB	
	06:30	10:30	M,M	X	058	Young	SpeX/MORIS		SJB	Daylight Obs
	10:30	11:00	M,M				---	inst. change		
	11:00	11:10	M,M				---	facility close		
Feb. 13 Su	18:30	19:00	G,E				---	facility open		
	19:00	23:59	G,E	X	062	Kern	iSHELL		ACB	
	23:59	00:30	G				---	inst. change		
Feb. 14 Mo	00:30	06:30	G	X	051	Tinyanont	SpeX/MORIS		MSC	

	06:30	10:30	M,M	X	058	Young	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	M,M			--- facility close			
Feb. 14 Mo	18:30	19:00	E			--- facility open			
	19:00	20:00	E	X	027	Connelley	SpeX	MSC	
	20:00	23:30	E	X	059	Biller	SpeX	MSC	
	23:30	04:30	E		999	Engineering	TBD	SJB	
Feb. 15 Tu	04:30	06:30	E	X	093	Rubin	SpeX	SJB	
	06:30	10:30	M,M	X	058	Young	SpeX/MORIS	SJB	Daylight Obs
	10:30	10:40	M,M			--- facility close			
Feb. 15 Tu	18:30	19:00	E			--- facility open			
	19:00	22:30	E	X	059	Biller	SpeX	MSC	
	22:30	02:45	E	X	031	Faherty	SpeX	MSC	
Feb. 16 We	02:45	04:30	E	X	050	Treu	SpeX	ACB	
	04:30	06:30	E	X	023	Mitchell	SpeX	ACB	
	06:30	10:30	M,M	X	058	Young	SpeX/MORIS	SJB	Daylight Obs
	10:30	10:40	M,M			--- facility close			
Feb. 16 We	18:30	19:00	E,M,M			--- facility open			
	19:00	22:30	E,M,M	X	059	Biller	SpeX	MSC	
	22:30	01:00	E,M,M	X	073	Thomas	SpeX/MORIS	MSC	
Feb. 17 Th	01:00	02:00	E		999	Engineering	TBD	SJB	
	02:00	06:30	E	X	072	Protopapa	SpeX/MORIS	SJB	
	06:30	10:30	M,M	X	058	Young	SpeX/MORIS	SJB	Daylight Obs
	10:30	10:40	M,M			--- facility close			
Feb. 17 Th	18:30	19:00	M,M			--- facility open			
	19:00	20:00	M,M	X	027	Connelley	SpeX	MSC	
	20:00	22:00	M,M	X	098	Lisse	SpeX/MORIS	MSC	
	22:00	03:30	M,M	X	030	Hinkle	SpeX/MORIS	MSC	
Feb. 18 Fr	03:30	06:30	M,M	X	069	Howell	SpeX	SJB	
	06:30	10:30	W	X	058	Young	SpeX/MORIS	SJB	Daylight Obs
	10:30	11:00	W			--- inst. change			
	11:00	11:10	W			--- facility close			
Feb. 18 Fr	18:30	19:00	M,M			--- facility open			
	19:00	23:59	M,M	X	062	Kern	iSHELL	ACB	
	23:59	00:30	M,M			--- inst. change			
Feb. 19 Sa	00:30	02:45	M,M		999	Engineering	TBD	MSC	Opihi Engineering
	02:45	04:30	M,M	X	050	Treu	SpeX	ACB	
	04:30	06:30	M,M	X	093	Rubin	SpeX	ACB	
	06:30	10:30	W	X	058	Young	SpeX/MORIS	SJB	Daylight Obs
	10:30	10:40	W			--- facility close			
Feb. 19 Sa	18:30	19:00	M,M,G			--- facility open			
	19:00	23:30	M,M,G	X	075	Stringfellow	SpeX/MORIS	MSC	
	23:30	06:30	M,M	X	077	Theissen	SpeX	MSC	

Feb. 20 Su	06:30	10:30	W	X	058	Young	SpeX/MORIS	SJB	Daylight Obs
	10:30	10:40	W			---	facility close		
Feb. 20 Su	18:30	19:00	G			---	facility open		
	19:00	06:30	G	X	088	Liu	SpeX	ACB	
Feb. 21 Mo	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	W			---	facility close		
	10:40	16:00				---	inst. change		
Feb. 21 Mo	18:30	19:00	G			---	facility open		
	19:00	22:00	G	X	085	Trilling	MIRSI/MOC	MSC	
	22:00	22:30	G			---	inst. change		
	22:30	02:00	G	X	029	Faherty	SpeX	MSC	
Feb. 22 Tu	02:00	02:45	G	X	021	Willner	SpeX/MORIS	ACB	
	02:45	04:30	G	X	050	Treu	SpeX	ACB	
	04:30	06:30	G	X	023	Mitchell	SpeX	ACB	
	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	ACB	Daylight Obs
	10:30	10:40	W			---	facility close		
Feb. 22 Tu	18:30	19:00	G,E			---	facility open		
	19:00	20:00	G,E	X	027	Connelley	SpeX	MSC	
	20:00	23:00	G,E	X	088	Liu	SpeX	MSC	
	23:00	03:30	G,E	X	002	Humes	SpeX/MORIS	SJB	
Feb. 23 We	03:30	06:30	G	X	069	Howell	SpeX	SJB	
	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	ACB	Daylight Obs
	10:30	10:40	W			---	facility close		
Feb. 23 We	18:30	19:00	E			---	facility open		
	19:00	23:30	E	X	075	Stringfellow	SpeX/MORIS	MSC	
	23:30	04:20	E	X	031	Faherty	SpeX	MSC	
Feb. 24 Th	04:20	06:20	E	X	093	Rubin	SpeX	MSC	
	06:20	06:30	E			---	facility close		
Feb. 24 Th	18:30	19:00	E			---	facility open		
	19:00	02:15	E	X	049	Delbo	SpeX/MORIS	SJB	
Feb. 25 Fr	02:15	04:00	E	X	050	Treu	SpeX	ACB	
	04:00	04:30	E			---	inst. change		
	04:30	06:30	E		999	Engineering	TEXES	SJB	
	06:30	12:30			012	Giles	TEXES	SJB	Daylight Obs
	12:30	13:00				---	inst. change		
	13:00	13:10				---	facility close		
Feb. 25 Fr	18:30	19:00	E,W			---	facility open		
	19:00	06:00	E,W	X	049	Delbo	SpeX/MORIS	SJB	
Feb. 26 Sa	06:00	06:30	E			---	inst. change		
	06:30	12:30			012	Giles	TEXES	SJB	Daylight Obs
	12:30	12:40				---	facility close		
Feb. 26 Sa	18:00	18:30	W			---	facility open		

	18:30	00:30	W		084	Stancil	TEXES	SJB	
Feb. 27 Su	00:30	01:00	W			--- inst. change			
	01:00	06:00	W	X	011	Burgasser	SpeX	MSC	
	06:00	06:30	W			--- inst. change			
	06:30	12:30	M,M		009	Encrenaz	TEXES	SJB	Daylight Obs
	12:30	13:00	M,M			--- inst. change			
	13:00	13:10	M,M			--- facility close			
Feb. 27 Su	18:30	19:00	W			--- facility open			
	19:00	23:30	W	X	011	Burgasser	SpeX	MSC	
	23:30	05:30	W	X	013	DeMeo	SpeX/MORIS	SJB	
Feb. 28 Mo	05:30	06:00	W			--- inst. change			
	06:00	12:30	W,M,M		009	Encrenaz	TEXES	SJB	Daylight Obs
	12:30	13:00	M,M			--- inst. change			
	13:00	13:10	M,M			--- facility close			
Feb. 28 Mo	18:30	19:00	W,G			--- facility open			
	19:00	23:30	W,G	X	082	Takir	SpeX	MSC	
	23:30	02:30	W	X	073	Thomas	SpeX/MORIS	MSC	

**Observer List****February, 2022**

- 002 Oriel Humes, Cristina Thomas
- 007 Michael Sitko, Ray Russell, Kellen Lawson, John Wisniewski
- 009 Therese Encrenaz, Thomas Greathouse, Rohini Giles, Emmanuel Marcq, Thomas Widemann, Hideo Sagawa, Bruno Bezard, Thierry Fouchet
- 011 Adam Burgasser, Nicolas Lodieu, Christian Aganze, Enrique Solano, Eduardo Martin
- 012 Rohini Giles, Thomas Greathouse, Therese Encrenaz, Amanda Brecht, Kandis Lea Jessup
- 013 Francesca DeMeo, Schelte J. Bus, Brian Burt, David Polishook, Michael Marsset, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
- 015 Eunkyun Han
- 021 Steven Willner, Mark Gurwell, Joseph Hora, Sera Markoff, Joseph Neilsen, Giovanni Fazio, Daryl Haggard, Michael Nowak, Howard Smith
- 023 Jake Mitchell, Hermine Landt, Martin Ward, Daniel Kynoch, Keith Horne, Ed Cackett, Varoujan Gorjian, Juan Hernandez Santisteban, Mike Brotherton, Laura Ferrarese, Thaisa Storchi-Bergmann
- 027 Michael Connelley, Scott Dahm, Lynne Hillenbrand
- 029 Jackie Faherty, Austin Rothermich, Dan Caselden, Les Hamlet, Aaron Meisner, Marc Kuchner, Adam Schneider
- 030 Jason Hinkle, Benjamin Shappee, Christopher Ashall, Anna Payne
- 031 Jackie Faherty, Austin Rothermich, Dan Caselden, Emily Calamari, Adam Schneider, Marc Kuchner, Aaron Meisner
- 037 Shohei Aoki, Hideo Sagawa, Takao Sato, Severine Robert, AnnCarine Vandaele, Arnaud Mahieux, Arianna Piccialli, Justin Erwin
- 038 Javier Peralta, Daniela Espadinha, Pedro Machado, Eliot Young, Glenn Orton, Mark Bullock, Makoto Taguchi, Itziar Garate-Lopez, Yeon Joo Lee
- 041 Mark Rushton, Marcel Popescu, Ruxandra Toma, Cristian Danescu
- 047 Benjamin Rackham, Adam Burgasser, Elisabeth Newton, Julien de Wit, Daniel Sebastian
- 049 Marco Delbo, Jules Bourdelle de Micas, Chrysa Avdellidou, Paolo Tanga, Sonia Fornasier, Laurent Galluccio, Alberto Cellino
- 050 Tommaso Treu, Vardha Bennert, Michael Brotherton, Hermine Landt, Jan-Min Wang, Matthew Malkan, Aaron Barth, Yan-Rong Li, Pu Du, Chen Hu, Nathalia De Souza, Jewel Capili, Jess Howell, Jacob McLane
- 051 Samaporn Tinyanont, Ryan Foley, Charlie Kilpatrick, Jens Hjorth, Christa Gall, Gautham Narayan, Alexander Gagliano, Jeonghee Rho, Aravind Ravi
- 052 Mohammad Saki, Erika Gibb, Michael DiSanti, Neil Dello Russo, Ronald Vervack, Boncho Bonev, Chemedda Ejeta, Nathan Roth, Adam McKay, Younas Khan, Hideyo Kawakita
- 058 Eliot Young, Mark Bullock, Kandice Lea Jessup, Kevin McGouldrick, Sarah Vierling, Takehiko Satoh, Toru Kouyama
- 059 Beth Biller, Bhavana Lalchand, Michael Liu, Loic Albert, Sophie Dubber, Katelyn Allers, Jessie Jose, Belinda Damian, Wen-Ping Chen, Zhoujian Zhang, Tanvi Sharma
- 062 Joshua Kern, Sean Brittain, Andrea Banzatti, Stanley Jensen, Janus Kozdon
- 063 Theodore Kareta, Charles Schambeau, Laura Woodney, Walter Harris, Yan Fernandez, Vishnu Reddy, Jordan Steckloff, Gal Sarid, Maria Womack
- 069 Ellen Howell, Ronald Vervack, Yanga Fernandez, Mary Hinkle, Kiana McFadden, Samuel Myers, Sean Marshall
- 070 Philip Muirhead, Jason Nordhaus, Maria Drout, Eunkyun Han
- 072 Silvia Protopapa, Michael S.P. Kelley, Bin Yang
- 073 Cristina Thomas, Andy Rivkin, David Trilling
- 075 Guy Stringfellow, Rhiannon Harding, Amaranta Yanez
- 076 Sarah Sonnett, Driss Takir, Vishnu Reddy, Zachary Smith, Lucy Williamson
- 077 Christopher Theissen, Daniella Bardalez Gagliuffi, Elisabeth Newton, Adam Burgasser, Jacqueline Faherty, Jonathan Gagne, Phil Muirhead, Eileen Gonzales, Andrew Mann, Chih-Chun Hsu, Christian Aganze
- 082 Driss Takir, Joshua Emery
- 084 Phillip Stancil, Matt Richtner, Ziwei Zhang, John Lacy
- 085 David Trilling, Andy Lopez Oquendo, Joseph Hora, Howard Smith
- 088 Michael Liu, Michael Line, Zhoujian Zhang, Mark Marley, William Best, Mark Phillips, Joe Zalesky
- 092 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Saurabh Jha, Chris Ashall, Edward Baron, Chris Burns, Francisco Forster, Lluís Galbany, Peter Hoefflich, Sahana Kumar, Jing Lu, Howie Marion, Nidia Morrell, Anthony Piro, Max Stritzinger, Nicholas Suntzeff, Syed Ashraf Uddin
- 093 David Rubin
- 098 Carey Lisse, Mike Sitko, Hans Moritz Gunther, Scott Wolk

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Mar. 1 Tu	02:30 05:30	W	X	069 Howell	SpeX	MSC	
	05:30 06:00	W		---	inst. change		
	06:00 12:30	W,M,M		009 Encrenaz	TEXES	SJB	Daylight Obs
	12:30 13:00	M,M		---	inst. change		
	13:00 13:10	M,M		---	facility close		
Mar. 1 Tu	18:30 19:00	G		---	facility open		
	19:00 02:00	G	X	082 Takir	SpeX	MSC	
Mar. 2 We	02:00 03:45	G	X	050 Treu	SpeX	MSC	
	03:45 04:30	G	X	021 Willner	SpeX/MORIS	MSC	
	04:30 05:00	G		---	inst. change		
	05:00 07:00	G,M,M		039 Fuchs	TEXES	SJB	Daylight Obs
	07:00 12:30	M,M		009 Encrenaz	TEXES	SJB	Daylight Obs
	12:30 13:00	M,M		---	inst. change		
	13:00 13:10	M,M		---	facility close		
Mar. 2 We	18:30 19:00	G		---	facility open		
	19:00 04:30	G	X	032 Emery	SpeX/MORIS	SJB	
Mar. 3 Th	04:30 05:00	G		---	inst. change		
	05:00 07:00	G,M,M		039 Fuchs	TEXES	SJB	Daylight Obs
	07:00 12:30	M,M		009 Encrenaz	TEXES	SJB	Daylight Obs
	12:30 12:40	M,M		---	facility close		
	12:40 16:00			---	inst. change		
Mar. 3 Th	17:45 18:15	G,E		---	facility open		
	18:15 21:15	G,E	X	052 Saki	iSHELL	MSC	
	21:15 21:45	G,E		---	inst. change		
	21:45 05:35	G,E	X	092 Shahbandeh	SpeX/MORIS	SJB	
Mar. 4 Fr	05:35 05:45	G		---	facility close		
	10:00 16:00			---	inst. change		
Mar. 4 Fr	17:45 18:15	E		---	facility open		
	18:15 21:15	E	X	052 Saki	iSHELL	MSC	
	21:15 21:45	E		---	inst. change		
	21:45 02:00	E	X	051 Tinyanont	SpeX/MORIS	MSC	
Mar. 5 Sa	02:00 03:45	E	X	050 Treu	SpeX	MSC	
	03:45 06:30	E,M,M	X	032 Emery	SpeX/MORIS	SJB	
	06:30 10:30	M,M	X	038 Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30 11:00	M,M		---	inst. change		
	11:00 11:10	M,M		---	facility close		
Mar. 5 Sa	17:45 18:15	E		---	facility open		
	18:15 21:15	E	X	052 Saki	iSHELL	MSC	
	21:15 21:45	E		---	inst. change		
	21:45 00:45	E	X	085 Trilling	MIRSI/MOC	MSC	
Mar. 6 Su	00:45 01:15	E		---	inst. change		
	01:15 06:30	E,M,M	X	077 Theissen	SpeX	MSC	

	06:30	10:30	M,M	X	038	Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	M,M			--- facility close			
Mar. 6 Su	18:30	19:00	E,C,M,M			--- facility open			
	19:00	22:00	E,C,M,MX		069	Howell	SpeX	SJB	
	22:00	01:30	E,C,M,MX		002	Humes	SpeX/MORIS	SJB	
Mar. 7 Mo	01:30	06:30	E	X	031	Faherty	SpeX	MSC	
	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	W			--- facility close			
Mar. 7 Mo	18:30	19:00	C,M,M			--- facility open			
	19:00	21:00	C,M,M	X	093	Rubin	SpeX	MSC	
	21:00	06:20	C,M,M	X	031	Faherty	SpeX	MSC	
Mar. 8 Tu	06:20	06:30	C,M,M			--- facility close			
Mar. 8 Tu	18:30	19:00	C,M,M			--- facility open			
	19:00	20:15	C,M,M	X	027	Connelley	SpeX	MSC	
	20:15	00:30	C,M,M	X	985	Rayner	SpeX	JTR	
Mar. 9 We	00:30	01:30	C,M,M	X	078	Fischer	SpeX	MSC	
	01:30	03:15	C,M,M	X	050	Treu	SpeX	MSC	
	03:15	05:15	C,M,M	X	023	Mitchell	SpeX	MSC	
	05:15	06:20	C,M,M		999	Engineering	TBD	SJB	
	06:20	06:30	C,M,M			--- facility close			
Mar. 9 We	18:30	19:00	C,M,M,G			--- facility open			
	19:00	06:30	C,M,M,GX		008	McGraw	SpeX/MORIS	SJB	
Mar. 10 Th	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	W			--- facility close			
Mar. 10 Th	18:30	19:00	G			--- facility open			
	19:00	21:00	G	X	093	Rubin	SpeX	MSC	
	21:00	06:30	G	X	029	Faherty	SpeX	MSC	
Mar. 11 Fr	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	W			--- facility close			
Mar. 11 Fr	18:30	19:00	G			--- facility open			
	19:00	23:00	G	X	017	Lucey	SpeX	SJB	
	23:00	01:15	G		999	Engineering	TBD	MSC	Opihi Engineering
Mar. 12 Sa	01:15	03:00	G	X	050	Treu	SpeX	SJB	
	03:00	03:45	G	X	021	Willner	SpeX/MORIS	SJB	
	03:45	06:30	G		999	Engineering	TBD	MSC	Opihi Engineering
	06:30	10:30	W	X	038	Peralta	SpeX/MORIS	MSC	Daylight Obs
	10:30	10:40	W			--- facility close			
Mar. 12 Sa	18:30	19:00	G,W			--- facility open			
	19:00	23:00	G,W	X	017	Lucey	SpeX	SJB	
	23:00	06:20	G,W	X	996	Espallat	SpeX	SJB	
Mar. 13 Su	06:20	06:30	G			--- facility close			
Mar. 13 Su	18:30	19:00	W			--- facility open			

	19:00	23:00	W	X	017	Lucey	SpeX	SJB
	23:00	06:20	W	X	996	Espaillet	SpeX	SJB
Mar. 14 Mo	06:20	06:30	W			--- facility close		
Mar. 14 Mo	18:30	19:00	W			--- facility open		
	19:00	20:15	W	X	027	Connelley	SpeX	MSC
	20:15	00:15	W	X	017	Lucey	SpeX	SJB
Mar. 15 Tu	00:15	02:50	W	X	984	Rivkin	SpeX	SJB
	02:50	06:20	W	X	072	Protopapa	SpeX/MORIS	SJB
	06:20	06:30	W			--- facility close		
Mar. 15 Tu	18:30	19:00	W,M,M			--- facility open		
	19:00	20:30	W,M,M	X	072	Protopapa	SpeX/MORIS	SJB
	20:30	21:00	W,M,M			--- inst. change		
	21:00	23:45	W,M,M	X	994	Gaidos	iSHELL	MSC
	23:45	06:20	W	X	089	Gaidos	iSHELL	MSC Exoplanet transit
Mar. 16 We	06:20	06:30	W			--- facility close		
	10:00	16:00				--- inst. change		
Mar. 16 We	18:30	19:00	M,M			--- facility open		
	19:00	21:00	M,M	X	093	Rubin	SpeX	MSC
	21:00	00:50	M,M	X	029	Faherty	SpeX	MSC
Mar. 17 Th	00:50	02:35	M,M	X	050	Treu	SpeX	MSC
	02:35	04:35	M,M	X	023	Mitchell	SpeX	SJB
	04:35	06:20	M,M		999	Engineering	TBD	MSC Opihi Engineering
	06:20	06:30	M,M			--- facility close		
	10:00	16:00				--- inst. change		
Mar. 17 Th	18:30	19:00	M,M			--- facility open		
	19:00	21:45	M,M	X	993	Boogert	iSHELL	ACB
	21:45	23:00	M,M	X	994	Gaidos	iSHELL	ACB
	23:00	23:30	M,M			--- inst. change		
	23:30	03:00	M,M	X	992	Jedicke	SpeX	SJB
Mar. 18 Fr	03:00	06:20	M,M	X	991	Boogert	SpeX	ACB
	06:20	06:30	M,M			--- facility close		
Mar. 18 Fr	18:30	19:00	M,M,G			--- facility open		
	19:00	00:30	M,M,G	X	075	Stringfellow	SpeX/MORIS	ACB
Mar. 19 Sa	00:30	02:15	M,M	X	050	Treu	SpeX	ACB
	02:15	06:20	M,M	X	049	Delbo	SpeX/MORIS	ACB
	06:20	06:30	M,M			--- facility close		
Mar. 19 Sa	18:30	19:00	M,M			--- facility open		
	19:00	21:00	M,M	X	093	Rubin	SpeX	ACB
	21:00	06:20	M,M	X	049	Delbo	SpeX/MORIS	ACB
Mar. 20 Su	06:20	06:30	M,M			--- facility close		
Mar. 20 Su	18:30	19:00	G			--- facility open		
	19:00	20:15	G	X	027	Connelley	SpeX	MSC

	20:15	02:20	G	X	051	Tinyanont	SpeX/MORIS	MSC
Mar. 21 Mo	02:20	06:20	G	X	017	Lucey	SpeX	SJB
	06:20	06:30	G			---	facility close	
	10:00	16:00				---	inst. change	
Mar. 21 Mo	18:30	19:00	G,E			---	facility open	
	19:00	21:45	G,E	X	993	Boogert	iSHELL	ACB
	21:45	23:00	G,E	X	994	Gaidos	iSHELL	ACB
	23:00	23:30	G,E			---	inst. change	
	23:30	02:20	G	X	992	Jedicke	SpeX	SJB
Mar. 22 Tu	02:20	06:20	G	X	017	Lucey	SpeX	SJB
	06:20	06:30	G			---	facility close	
Mar. 22 Tu	18:30	19:00	E			---	facility open	
	19:00	21:00	E	X	093	Rubin	SpeX	ACB
	21:00	23:50	E	X	051	Tinyanont	SpeX/MORIS	ACB
	23:50	00:35	E	X	021	Willner	SpeX/MORIS	ACB
Mar. 23 We	00:35	02:20	E	X	050	Treu	SpeX	ACB
	02:20	06:20	E	X	017	Lucey	SpeX	SJB
	06:20	06:30	E			---	facility close	
Mar. 23 We	18:30	19:00	E			---	facility open	
	19:00	00:20	E	X	049	Delbo	SpeX/MORIS	ACB
Mar. 24 Th	00:20	02:20	E	X	023	Mitchell	SpeX	ACB
	02:20	06:20	E	X	017	Lucey	SpeX	SJB
	06:20	06:30	E			---	facility close	
Mar. 24 Th	18:30	19:00	E,W			---	facility open	
	19:00	22:30	E,W	X	069	Howell	SpeX	SJB
	22:30	06:20	E,W	X	010	Schneider	SpeX	ACB
Mar. 25 Fr	06:20	06:30	E			---	facility close	
Mar. 25 Fr	18:30	19:00	W			---	facility open	
	19:00	21:00	W	X	093	Rubin	SpeX	ACB
	21:00	23:45	W	X	049	Delbo	SpeX/MORIS	ACB
	23:45	01:30	W	X	050	Treu	SpeX	ACB
Mar. 26 Sa	01:30	06:00	W	X	006	Luhman	SpeX	ACB
	06:00	06:30	W			---	inst. change	
	06:30	12:30	M,M	X	094	Novak	iSHELL	MSC Daylight Obs
	12:30	13:00	M,M			---	inst. change	
	13:00	13:10	M,M			---	facility close	
Mar. 26 Sa	18:30	19:00	W			---	facility open	
	19:00	22:00	W	X	085	Trilling	MIRSI/MOC	MSC
	22:00	22:30	W			---	inst. change	
	22:30	01:30	W	X	049	Delbo	SpeX/MORIS	MSC
Mar. 27 Su	01:30	06:00	W	X	006	Luhman	SpeX	MSC
	06:00	06:30	W			---	inst. change	

	06:30	12:30	M,M	X	094	Novak	iSHELL	ACB	Daylight Obs
	12:30	13:00	M,M			---	inst. change		
	13:00	13:10	M,M			---	facility close		
Mar. 27 Su	18:30	19:00	W,G			---	facility open		
	19:00	06:00	W,G	X	026	Young	SpeX/MORIS	SJB	
Mar. 28 Mo	06:00	06:30	W			---	inst. change		
	06:30	12:30	M,M	X	094	Novak	iSHELL	ACB	Daylight Obs
	12:30	13:00	M,M			---	inst. change		
	13:00	13:10	M,M			---	facility close		
Mar. 28 Mo	18:30	19:00	G			---	facility open		
	19:00	23:30	G	X	075	Stringfellow	SpeX/MORIS	MSC	
	23:30	01:30	G	X	002	Humes	SpeX/MORIS	MSC	
Mar. 29 Tu	01:30	06:20	G	X	006	Luhman	SpeX	MSC	
	06:20	06:30	G			---	facility close		
Mar. 29 Tu	18:30	19:00	G			---	facility open		
	19:00	06:20	G	X	026	Young	SpeX/MORIS	SJB	
Mar. 30 We	06:20	06:30	G			---	facility close		
Mar. 30 We	18:30	19:00	G,E			---	facility open		
	19:00	20:30	G,E	X	027	Connelley	SpeX	MSC	
	20:30	23:00	G,E		999	Engineering	TBD	MSC	Opihi Engineering
	23:00	00:05	G,E	X	078	Fischer	SpeX	MSC	
Mar. 31 Th	00:05	04:00	G,E	X	072	Protopapa	SpeX/MORIS	MSC	
	04:00	06:00	G	X	078	Fischer	SpeX	MSC	
	06:00	06:30	G			---	inst. change		
	06:30	11:30	W	X	028	Faggi	iSHELL	ACB	Daylight Obs
	11:30	12:00	W			---	inst. change		
	12:00	12:10	W			---	facility close		
Mar. 31 Th	18:30	19:00	E			---	facility open		
	19:00	23:30	E	X	092	Shahbandeh	SpeX/MORIS	ACB	
	23:30	00:15	E	X	021	Willner	SpeX/MORIS	ACB	

**Observer List****March, 2022**

- 002 Oriel Humes, Cristina Thomas  
006 Kevin Luhman  
008 Allison McGraw, Vishnu Reddy, Juan Sanchez  
009 Therese Encrenaz, Thomas Greathouse, Rohini Giles, Emmanuel Marcq, Thomas Widemann, Hideo Sagawa, Bruno Bezard, Thierry Fouchet  
010 Adam Schneider, Jacqueline Faherty, Aaron Meisner, Marc Kuchner, Davy Kirkpatrick  
017 Paul Lucey, Casey Honniball, Abigail Flom, Chiara Ferrari-Wong  
021 Steven Willner, Mark Gurwell, Joseph Hora, Sera Markoff, Joseph Neilsen, Giovanni Fazio, Daryl Haggard, Michael Nowak, Howard Smith  
023 Jake Mitchell, Hermine Landt, Martin Ward, Daniel Kynoch, Keith Horne, Ed Cackett, Varoujan Gorjian, Juan Hernandez Santisteban, Mike Brotherton, Laura Ferrarese, Thaisa Storchi-Bergmann  
026 Leslie Young, Silvia Protopapa, Bryan Holler, William Grundy  
027 Michael Connelley, Scott Dahm, Lynne Hillenbrand  
028 Sara Faggi, Giuliano Liuzzi, Shohei Aoki, Geronimo Villanueva, Michael Mumma, Hideo Sagawa  
029 Jackie Faherty, Austin Rothermich, Dan Caselden, Les Hamlet, Aaron Meisner, Marc Kuchner, Adam Schneider  
031 Jackie Faherty, Austin Rothermich, Dan Caselden, Emily Calamari, Adam Schneider, Marc Kuchner, Aaron Meisner  
032 Joshua Emery, Devon Burr, Lucas McClure, Julia de Leon, Cristina Thomas, Andy Rivkin, Kevin Walsh  
038 Javier Peralta, Daniela Espadinha, Pedro Machado, Eliot Young, Glenn Orton, Mark Bullock, Makoto Taguchi, Itziar Garate-Lopez, Yeon Joo Lee  
039 Guido Fuchs, Eileen Doering, Thomas Giesen, Thomas Greathouse, John Lacy  
049 Marco Delbo, Jules Bourdelle de Micas, Chrysa Avdellidou, Paolo Tanga, Sonia Fornasier, Laurent Galluccio, Alberto Cellino  
050 Tommaso Treu, Vardha Bennert, Michael Brotherton, Hermine Landt, Jan-Min Wang, Matthew Malkan, Aaron Barth, Yan-Rong Li, Pu Du, Chen Hu, Nathalia De Souza, Jewel Capili, Jess Howell, Jacob McLane  
051 Samaporn Tinyanont, Ryan Foley, Charlie Kilpatrick, Jens Hjorth, Christa Gall, Gautham Narayan, Alexander Gagliano, Jeonghee Rho, Aravind Ravi  
052 Mohammad Saki, Erika Gibb, Michael DiSanti, Neil Dello Russo, Ronald Vervack, Boncho Bonev, Chemed Ejeta, Nathan Roth, Adam McKay, Younas Khan, Hideyo Kawakita  
069 Ellen Howell, Ronald Vervack, Yanga Fernandez, Mary Hinkle, Kiana McFadden, Samuel Myers, Sean Marshall  
072 Silvia Protopapa, Michael S.P. Kelley, Bin Yang  
075 Guy Stringfellow, Rhiannon Harding, Amaranta Yanez  
077 Christopher Theissen, Daniella Bardalez Gagliuffi, Elisabeth Newton, Adam Burgasser, Jacqueline Faherty, Jonathan Gagne, Phil Muirhead, Eileen Gonzales, Andrew Mann, Chih-Chun Hsu, Christian Aganze  
078 Will Fischer, Tracy Beck, James Muzerolle  
082 Driss Takir, Joshua Emery  
085 David Trilling, Andy Lopez Oquendo, Joseph Hora, Howard Smith  
089 Eric Gaidos, Rena Lee  
092 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Saurabh Jha, Chris Ashall, Edward Baron, Chris Burns, Francisco Forster, Lluís Galbany, Peter Hoeflich, Sahana Kumar, Jing Lu, Howie Marion, Nidia Morrell, Anthony Piro, Max Stritzinger, Nicholas Suntzeff, Syed Ashraf Uddin  
093 David Rubin  
094 Robert Novak, Michael Mumma

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Apr. 1 Fr	00:15 02:00	E	X	050 Treu	SpeX	ACB	
	02:00 04:00	E	X	023 Mitchell	SpeX	ACB	
	04:00 06:20	E	X	092 Shahbandeh	SpeX/MORIS	ACB	
	06:20 06:30	E		--- facility close			
	10:00 16:00			--- inst. change			
Apr. 1 Fr	18:20 18:50	E		--- facility open			
	18:50 23:00	E	X	989 Keane	iSHELL	SJB	
	23:00 00:15	E	X	994 Gaidos	iSHELL	SJB	
Apr. 2 Sa	00:15 05:40	E	X	989 Keane	iSHELL	SJB	
	05:40 06:10	E		--- inst. change			
	06:10 06:20	E		--- facility close			
Apr. 2 Sa	18:20 18:50	E,C,W		--- facility open			
	18:50 06:10	E,C,W	X	026 Young	SpeX/MORIS	SJB	
Apr. 3 Su	06:10 06:20	E		--- facility close			
Apr. 3 Su	18:20 18:50	C,W		--- facility open			
	18:50 22:30	C,W	X	013 DeMeo	SpeX/MORIS	SJB	
	22:30 23:30	C,W	X	078 Fischer	SpeX	SJB	
	23:30 06:10	C,W	X	013 DeMeo	SpeX/MORIS	SJB	
Apr. 4 Mo	06:10 06:20	C,W		--- facility close			
Apr. 4 Mo	18:20 18:50	C,W		--- facility open			
	18:50 00:15	C,W	X	030 Hinkle	SpeX/MORIS	ACB	
Apr. 5 Tu	00:15 02:10	C,W	X	050 Treu	SpeX	ACB	
	02:10 04:10	C,W	X	078 Fischer	SpeX	ACB	
	04:10 06:10	C,W	X	023 Mitchell	SpeX	ACB	
	06:10 06:20	C,W		--- facility close			
Apr. 5 Tu	18:20 18:50	C,W,G		--- facility open			
	18:50 06:10	C,W,G	X	026 Young	SpeX/MORIS	SJB	
Apr. 6 We	06:10 06:20	C,W		--- facility close			
Apr. 6 We	18:20 18:50	G		--- facility open			
	18:50 20:50	G		999 Engineering	TBD	SJB	Opihi Engineering
	20:50 02:50	G	X	076 Sonnett	SpeX	SJB	
Apr. 7 Th	02:50 06:10	G	X	051 Tinyanont	SpeX/MORIS	MSC	
	06:10 06:20	G		--- facility close			
Apr. 7 Th	18:20 18:50	G		--- facility open			
	18:50 21:20	G		999 Engineering	TBD	SJB	Opihi Engineering
	21:20 03:20	G	X	034 LeCorre	SpeX	SJB	
Apr. 8 Fr	03:20 06:10	G	X	077 Theissen	SpeX	MSC	
	06:10 06:20	G		--- facility close			
Apr. 8 Fr	07:00 07:30	W		--- facility open			
	07:30 13:30	W	X	019 Orton	SpeX	MSC	Daylight Obs
	13:30 13:40	W		--- facility close			
Apr. 8 Fr	18:20 18:50	G,E		--- facility open			

	18:50	22:30	G,E	X	077	Theissen	SpeX	SJB
	22:30	23:30	G,E	X	078	Fischer	SpeX	SJB
	23:30	01:15	G	X	050	Treu	SpeX	SJB
Apr. 9 Sa	01:15	06:10	G	X	077	Theissen	SpeX	SJB
	06:10	06:20	G			--- facility close		
Apr. 9 Sa	07:00	07:30	W			--- facility open		
	07:30	13:30	W	X	019	Orton	SpeX	MSC Daylight Obs
	13:30	13:40	W			--- facility close		
Apr. 9 Sa	18:20	18:50	E			--- facility open		
	18:50	05:40	E	X	026	Young	SpeX/MORIS	SJB
Apr. 10 Su	05:40	06:10	E			--- inst. change		
	06:10	06:20	E			--- facility close		
Apr. 10 Su	07:00	07:30	M,M			--- facility open		
	07:30	13:30	M,M	X	035	Orton	MIRSI	MSC Daylight Obs
	13:30	14:00	M,M			--- inst. change		
	14:00	14:10	M,M			--- facility close		
Apr. 10 Su	18:20	18:50	E			--- facility open		
	18:50	21:15	E		999	Engineering	TBD	SJB
	21:15	22:00	E	X	021	Willner	SpeX/MORIS	SJB
	22:00	01:00	E	X	069	Howell	SpeX	SJB
Apr. 11 Mo	01:00	02:40	E		999	Engineering	TBD	SJB
	02:40	03:10	E			--- inst. change		
	03:10	06:10	E	X	085	Trilling	MIRSI/MOC	MSC
	06:10	06:20				--- facility close		
Apr. 11 Mo	07:00	07:30	M,M			--- facility open		
	07:30	13:30	M,M	X	035	Orton	MIRSI	MSC Daylight Obs
	13:30	14:00	M,M			--- inst. change		
	14:00	14:10	M,M			--- facility close		
Apr. 11 Mo	18:20	18:50	E,C,M,M			--- facility open		
	18:50	06:10	E,C,M,MX		026	Young	SpeX/MORIS	SJB
Apr. 12 Tu	06:10	06:20	E			--- facility close		
Apr. 12 Tu	18:20	18:50	C,M,M			--- facility open		
	18:50	23:35	C,M,M		999	Engineering	TBD	SJB
	23:35	01:30	C,M,M	X	050	Treu	SpeX	MSC
Apr. 13 We	01:30	03:30	C,M,M	X	078	Fischer	SpeX	MSC
	03:30	05:30	C,M,M	X	023	Mitchell	SpeX	MSC
	05:30	06:10	C,M,M		999	Engineering	TBD	SJB
	06:10	06:20	C,M,M			--- facility close		
Apr. 13 We	18:20	18:50	C,M,M			--- facility open		
	18:50	00:20	C,M,M	X	990	Bus	SpeX/MORIS	SJB
Apr. 14 Th	00:20	00:50	C,M,M			--- inst. change		
	00:50	06:10	C,M,M	X	057	Banzatti	iSHELL	MSC

	06:10	06:20	C,M,M					---	facility close		
	10:00	16:00						---	inst. change		
Apr. 14	Th	18:20	18:50	C,M,M,G				---	facility open		
		18:50	01:50	C,M,M,GX		034	LeCorre		SpeX		SJB
Apr. 15	Fr	01:50	04:20	C,M,M	X	047	Rackham		SpeX		MSC
		04:20	06:10	C,M,M	X	072	Protopapa		SpeX/MORIS		MSC
		06:10	06:20	C,M,M				---	facility close		
Apr. 15	Fr	18:20	18:50	G				---	facility open		
		18:50	23:00	G	X	096	Bolin		SpeX/MORIS		SJB
		23:00	00:45	G	X	050	Treu		SpeX		MSC
Apr. 16	Sa	00:45	03:40	G	X	096	Bolin		SpeX/MORIS		SJB
		03:40	06:10	G	X	003	Woodward		SpeX/MORIS		MSC
		06:10	06:20	G				---	facility close		
Apr. 16	Sa	18:20	18:50	G				---	facility open		
		18:50	02:00	G	X	060	Gaudin		SpeX		MSC
Apr. 17	Su	02:00	06:10	G	X	020	Sickafoose		SpeX/MORIS		SJB Occultation
		06:10	06:20	G				---	facility close		
Apr. 17	Su	18:20	18:50	G,E				---	facility open		
		18:50	00:20	G,E	X	092	Shahbandeh		SpeX/MORIS		MSC
Apr. 18	Mo	00:20	00:50	G				---	inst. change		
		00:50	06:10	G	X	057	Banzatti		iSHELL		MSC
		06:10	06:20	G				---	facility close		
		10:00	16:00					---	inst. change		
Apr. 18	Mo	18:20	18:50	E				---	facility open		
		18:50	21:20	E	X	047	Rackham		SpeX		MSC
		21:20	00:20	E	X	069	Howell		SpeX		MSC
Apr. 19	Tu	00:20	06:10	E	X	047	Rackham		SpeX		MSC
		06:10	06:20	E				---	facility close		
Apr. 19	Tu	18:20	18:50	E				---	facility open		
		18:50	01:20	E	X	034	LeCorre		SpeX		SJB
Apr. 20	We	01:20	03:20	E	X	078	Fischer		SpeX		MSC
		03:20	05:20	E	X	023	Mitchell		SpeX		MSC
		05:20	06:10	E		999	Engineering		TBD		SJB
		06:10	06:20	E				---	facility close		
Apr. 20	We	18:20	18:50	E,C,W				---	facility open		
		18:50	22:20	E,C,W		999	Engineering		TBD		SJB
		22:20	23:05	E,C,W	X	021	Willner		SpeX/MORIS		MSC
		23:05	00:50	E,C,W	X	050	Treu		SpeX		MSC
Apr. 21	Th	00:50	01:20	E				---	inst. change		
		01:20	06:20	E	X	066	De		iSHELL		SJB First Night
		06:20	11:20	M,M	X	028	Faggi		iSHELL		SJB Daylight Obs
		11:20	11:50	M,M				---	inst. change		

	11:50	12:00	M,M						---	facility close		
Apr. 21 Th	18:20	18:50	C,W						---	facility open		
	18:50	06:10	C,W	X	011	Burgasser	SpeX				MSC	
Apr. 22 Fr	06:10	06:20	C,W						---	facility close		
Apr. 22 Fr	18:20	18:50	C,W						---	facility open		
	18:50	00:20	C,W	X	034	LeCorre	SpeX				SJB	
Apr. 23 Sa	00:20	05:05	C,W	X	990	Bus	SpeX/MORIS				SJB	
	05:05	05:50	C,W	X	087	Corlies	SpeX				SJB	Service Obs.
	05:50	06:20	C,W						---	inst. change		
	06:20	09:20	R	X	038	Peralta	MIRSI/MOC				MSC	Daylight Obs, First Night
	09:20	09:50	R						---	inst. change		
	09:50	10:00	R						---	facility close		
Apr. 23 Sa	18:20	18:50	C,W,G						---	facility open		
	18:50	22:30	C,W,G		999	Engineering	TBD				MSC	Opihi Engineering
	22:30	00:15	C,W,G	X	050	Treu	SpeX				ACB	
Apr. 24 Su	00:15	06:10	C,W	X	088	Liu	SpeX				ACB	
	06:10	06:20	C,W						---	facility close		
Apr. 24 Su	18:20	18:50	G						---	facility open		
	18:50	23:00	G	X	992	Jedicke	SpeX				SJB	
	23:00	01:25	G		999	Engineering	TBD				MSC	Opihi Engineering
Apr. 25 Mo	01:25	06:10	G	X	088	Liu	SpeX				ACB	
	06:10	06:20	G						---	facility close		
Apr. 25 Mo	18:20	18:50	G						---	facility open		
	18:50	00:30	G		999	Engineering	TBD				MSC	Opihi Engineering
Apr. 26 Tu	00:30	01:00	G						---	inst. change		
	01:00	03:00	G	X	987	Gaidos	iSHELL				MSC	
	03:00	06:10	G	X	988	Sandell	iSHELL				MSC	
	06:10	06:20	G						---	facility close		
Apr. 26 Tu	18:20	18:50	G,E						---	facility open		
	18:50	23:50	G,E	X	034	LeCorre	SpeX				SJB	
	23:50	06:10	G	X	083	Flores	SpeX				MSC	
Apr. 27 We	06:10	06:20	G						---	facility close		
Apr. 27 We	18:20	18:50	E						---	facility open		
	18:50	22:00	E	X	069	Howell	SpeX				ACB	
	22:00	06:10	E	X	008	McGraw	SpeX/MORIS				ACB	
Apr. 28 Th	06:10	06:20	E						---	facility close		
Apr. 28 Th	19:10	19:40	E						---	facility open		
	19:40	21:40	E		999	Engineering	TBD				SJB	
	21:40	22:25	E	X	021	Willner	SpeX/MORIS				ACB	
	22:25	00:10	E	X	050	Treu	SpeX				ACB	
Apr. 29 Fr	00:10	02:10	E	X	078	Fischer	SpeX				ACB	
	02:10	04:10	E	X	023	Mitchell	SpeX				ACB	

	04:10	06:15	E		999	Engineering	TBD	SJB
	06:15	07:00	E	X	019	Orton	SpeX	MSC
	07:00	07:10	E			---	facility close	
Apr. 29 Fr	19:10	19:40	E,C,W				---	facility open
	19:40	22:40	E,C,W	X	992	Jedicke	SpeX	SJB
	22:40	02:00	E,C,W		999	Engineering	TBD	SJB
Apr. 30 Sa	02:00	06:15	E	X	991	Boogert	SpeX	ACB
	06:15	07:00	E	X	019	Orton	SpeX	MSC
	07:00	07:10	E				---	facility close
Apr. 30 Sa	18:20	18:50	C,W				---	facility open
	18:50	06:10	C,W	X	013	DeMeo	SpeX/MORIS	SJB

## Observer List

# April, 2022

- 003 Chick Woodward, Dipankar P.K. Banerjee, Nye Evans, Sumner Starrfield  
 008 Allison McGraw, Vishnu Reddy, Juan Sanchez  
 011 Adam Burgasser, Nicolas Lodieu, Christian Aganze, Enrique Solano, Eduardo Martin  
 013 Francesca DeMeo, Schelte J. Bus, Brian Burt, David Polishook, Michael Marsset, Cristina Thomas, Richard P. Binzel, Nicholas Moskowitz, Andrew Rivkin  
 019 Glenn Orton, Thomas Momary, Emma Dahl, Kevin Baines, Xi Zhang, Arrate Antunano, Leigh Fletcher, Michael H. Wong, Patrick Irwin, Tommy Greathouse, Rohini Giles, Davide Grassi  
 020 Amanda Sickafoose, Michael Person, Carlos Zuluaga, Amanda Bosh, Stephen Levine  
 021 Steven Willner, Mark Gurwell, Joseph Hora, Sera Markoff, Joseph Neilsen, Giovanni Fazio, Daryl Haggard, Michael Nowak, Howard Smith  
 023 Jake Mitchell, Hermine Landt, Martin Ward, Daniel Kynoch, Keith Horne, Ed Cackett, Varoujan Gorjian, Juan Hernandez Santisteban, Mike Brotherton, Laura Ferrarese, Thaisa Storchi-Bergmann  
 026 Leslie Young, Silvia Protospapa, Bryan Holler, William Grundy  
 028 Sara Faggi, Giuliano Liuzzi, Shohei Aoki, Geronimo Villanueva, Michael Mumma, Hideo Sagawa  
 030 Jason Hinkle, Benjamin Shappee, Christopher Ashall, Anna Payne  
 034 Lucille Le Corre, Vishnu Reddy, Daniel Scheeres  
 035 Glenn Orton, Joseph Hora, James Sinclair, Arrate Antunano, Leigh Fletcher, Tom Momary, Shawn Brueshaber, Emma Dahl, Henrik Melin, Rohini Giles, Thomas Greathouse  
 038 Javier Peralta, Daniela Espadinha, Pedro Machado, Eliot Young, Glenn Orton, Mark Bullock, Makoto Taguchi, Itziar Garate-Lopez, Yeon Joo Lee  
 047 Benjamin Rackham, Adam Burgasser, Elisabeth Newton, Julien de Wit, Daniel Sebastian  
 050 Tommaso Treu, Vardha Bennett, Michael Brotherton, Hermine Landt, Jan-Min Wang, Matthew Malkan, Aaron Barth, Yan-Rong Li, Pu Du, Chen Hu, Nathalia De Souza, Jewel Capili, Jess Howell, Jacob McLane  
 051 Samaporn Tinyanont, Ryan Foley, Charlie Kilpatrick, Jens Hjorth, Christa Gall, Gautham Narayan, Alexander Gagliano, Jeonghee Rho, Aravind Ravi  
 057 Andrea Banzatti, Sean Brittain, Kirsten Abernathy, Josh Kern, Adwin Boogert, Rocio Sigler, Janus Kozdon, Jose Perez, John Rayner  
 060 Thomas Gaudin, Ryan Norris, Michelle Creech-Eakman  
 066 Kishalay De, Roberto Soria, Ryan Lau, Viraj Karambelkar, Mansi Kasliwal  
 069 Ellen Howell, Ronald Vervack, Yanga Fernandez, Mary Hinkle, Kiana McFadden, Samuel Myers, Sean Marshall  
 072 Silvia Protospapa, Michael S.P. Kelley, Bin Yang  
 076 Sarah Sonnett, Driss Takir, Vishnu Reddy, Zachary Smith, Lucy Williamson  
 077 Christopher Theissen, Daniella Bardalez Gagliuffi, Elisabeth Newton, Adam Burgasser, Jacqueline Faherty, Jonathan Gagne, Phil Muirhead, Eileen Gonzales, Andrew Mann, Chih-Chun Hsu, Christian Aganze  
 078 Will Fischer, Tracy Beck, James Muzerolle  
 083 Christian Flores, Michael Connelley, Jonathan Williams, Greg Doppmann, Nagayoshi Ohashi  
 085 David Trilling, Andy Lopez Oquendo, Joseph Hora, Howard Smith  
 087 Paul Corlies, Alexander Hayes, Mate Adamkovics, Sebastien Rodriguez, Elizabeth Turtle, Jason Soderblom, Alejandro Soto, Patricio Rojo, Jonathan Mitchell, Juan Lora, Jonathan Lunine  
 088 Michael Liu, Michael Line, Zhoujian Zhang, Mark Marley, William Best, Mark Phillips, Joe Zalesky  
 092 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Saurabh Jha, Chris Ashall, Edward Baron, Chris Burns, Francisco Forster, Lluís Galbany, Peter Hoefflich, Sahana Kumar, Jing Lu, Howie Marion, Nidia Morrell, Anthony Piro, Max Stritzinger, Nicholas Suntzeff, Syed Ashraf Uddin  
 096 Bryce Bolin, Casey Lisse, Marco Delbo, Chrysa Avdellidou

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
May. 1 Su	06:10 06:20	C,W					--- facility close
May. 1 Su	18:15 18:45	C,W					--- facility open
	18:45 20:30	C,W	X	072 Protopapa	SpeX/MORIS	ACB	
	20:30 05:00	C,W	X	996 Espailat	SpeX	ACB	
May. 2 Mo	05:00 05:45	C,W	X	087 Corlies	SpeX	ACB	Service Obs.
	05:45 06:15	C,W					--- inst. change
	06:15 09:15	M,M	X	038 Peralta	MIRSI/MOC	MSC	Daylight Obs
	09:15 09:45	M,M					--- inst. change
	09:45 09:55	M,M					--- facility close
May. 2 Mo	18:15 18:45	C,W,G					--- facility open
	18:45 22:20	C,W,G	X	992 Jedicke	SpeX	SJB	
	22:20 00:05	C,W,G	X	050 Treu	SpeX	ACB	
May. 3 Tu	00:05 02:05	C,W	X	078 Fischer	SpeX	ACB	
	02:05 04:05	C,W	X	023 Mitchell	SpeX	ACB	
	04:05 06:05	C,W		999 Engineering	TBD	SJB	
	06:05 06:15	C,W					--- facility close
	10:00 16:00	G					--- inst. change
May. 3 Tu	18:15 18:45	G					--- facility open
	18:45 23:00	G	X	994 Gaidos	iSHELL	MSC	
	23:00 06:05	G	X	083 Flores	iSHELL	MSC	
May. 4 We	06:05 06:15	G					--- facility close
May. 4 We	13:30 14:00	W					--- facility open
	14:00 17:30	W	X	046 Khan	iSHELL	ACB	Daylight Obs
	17:30 17:40	W					--- facility close
May. 4 We	18:15 18:45	G					--- facility open
	18:45 19:15	G					--- inst. change
	19:15 22:15	G	X	085 Trilling	MIRSI/MOC	MSC	
	22:15 22:45	G					--- inst. change
	22:45 06:05	G	X	083 Flores	iSHELL	MSC	
May. 5 Th	06:05 06:15	G					--- facility close
May. 5 Th	08:30 09:00	W					--- facility open
	09:00 17:30	W	X	043 Mumma	iSHELL	ACB	Daylight Obs
	17:30 17:40	W					--- facility close
May. 5 Th	18:15 18:45	G,E					--- facility open
	18:45 19:15	G,E					--- inst. change
	19:15 21:50	G,E	X	992 Jedicke	SpeX	SJB	
	21:50 23:35	G,E	X	050 Treu	SpeX	ACB	
	23:35 05:20	G	X	051 Tinyanont	SpeX/MORIS	ACB	
May. 6 Fr	05:20 06:05	G	X	087 Corlies	SpeX	ACB	Service Obs.
	06:05 06:15	G					--- facility close
May. 6 Fr	18:15 18:45	E					--- facility open
	18:45 21:30	E		999 Engineering	TBD	SJB	

	21:30	02:00	E	X	002	Humes	SpeX/MORIS	SJB	
May. 7 Sa	02:00	02:30	E			---	inst. change		
	02:30	06:05	E	X	083	Flores	iSHELL	MSC	
	06:05	06:15	E			---	facility close		
May. 7 Sa	13:00	13:30	W			---	facility open		
	13:30	17:30	W	X	046	Khan	iSHELL	ACB	Daylight Obs
	17:30	17:40	W			---	facility close		
May. 7 Sa	18:15	18:45	E			---	facility open		
	18:45	22:30	E	X	036	Gaarn	iSHELL	MSC	
	22:30	01:00	E	X	987	Gaidos	iSHELL	MSC	
May. 8 Su	01:00	05:30	E	X	055	Ejeta	iSHELL	MSC	
	05:30	09:30	E,R	X	045	Mehrle	iSHELL	ACB	Daylight Obs, First Night
	09:30	17:30	R	X	043	Mumma	iSHELL	ACB	Daylight Obs
	17:30	17:40	R			---	facility close		
May. 8 Su	18:15	18:45	E,C,M,M			---	facility open		
	18:45	19:15	E,C,M,M			---	inst. change		
	19:15	22:30	E,C,M,M		999	Engineering	TBD	SJB	
	22:30	01:30	E,C,M,MX		069	Howell	SpeX	SJB	
May. 9 Mo	01:30	03:00	E	X	044	Su	SpeX	MSC	
	03:00	05:45	E	X	051	Tinyanont	SpeX/MORIS	MSC	
	05:45	06:15	E			---	inst. change		
	06:15	09:15	R	X	038	Peralta	MIRSI/MOC	MSC	Daylight Obs
	09:15	09:45	R			---	inst. change		
	09:45	09:55	R			---	facility close		
May. 9 Mo	18:15	18:45	C,M,M			---	facility open		
	18:45	23:45	C,M,M		999	Engineering	TBD	SJB	
	23:45	03:15	C,M,M	X	057	Banzatti	iSHELL	MSC	
May. 10 Tu	03:15	03:45	C,M,M			---	inst. change		
	03:45	06:05	C,M,M	X	044	Su	SpeX	MSC	
	06:05	06:15	C,M,M			---	facility close		
May. 10 Tu	20:05	20:35	C,M,M			---	facility open		
	20:35	21:45	C,M,M	X	021	Willner	SpeX/MORIS	ACB	
	21:45	23:30	C,M,M	X	050	Treu	SpeX	ACB	
	23:30	01:30	C,M,M	X	078	Fischer	SpeX	ACB	
May. 11 We	01:30	03:30	C,M,M	X	023	Mitchell	SpeX	ACB	
	03:30	05:20	C,M,M	X	096	Bolin	SpeX/MORIS	SJB	
	05:20	06:05	C,M,M	X	087	Corlies	SpeX	SJB	Service Obs.
	06:05	07:55	C,M,M	X	048	Tate	SpeX	SJB	Io eclipse
	07:55	08:05	C,M,M			---	facility close		
May. 11 We	12:30	13:00	W			---	facility open		
	13:00	13:30	W			---	inst. change		
	13:30	17:30	W	X	046	Khan	iSHELL	ACB	Daylight Obs

	17:30	17:40	W						---	facility close		
May. 11	We	18:15	18:45	C,M,M,G					---	facility open		
		18:45	19:15	C,M,M,G					---	inst. change		
		19:15	00:15	C,M,M,GX	096	Bolin		SpeX/MORIS			SJB	
May. 12	Th	00:15	00:45	C,M,M					---	inst. change		
		00:45	06:05	C,M,M	X	057	Banzatti	iSHELL			MSC	
		06:05	06:15	C,M,M					---	facility close		
May. 12	Th	06:30	07:00	W					---	facility open		
		07:00	15:30	W	X	043	Mumma	iSHELL			ACB	Daylight Obs
		15:30	15:40	W					---	facility close		
May. 12	Th	18:15	18:45	G					---	facility open		
		18:45	19:15	G					---	inst. change		
		19:15	00:15	G	X	092	Shahbandeh	SpeX/MORIS			MSC	
May. 13	Fr	00:15	00:45	G					---	inst. change		
		00:45	06:05	G	X	057	Banzatti	iSHELL			ACB	
		06:05	06:15	G					---	facility close		
May. 13	Fr	18:15	18:45	G					---	facility open		
		18:45	19:15	G					---	inst. change		
		19:15	21:15	G		999	Engineering	TBD			SJB	
		21:15	23:00	G	X	050	Treu	SpeX			ACB	
		23:00	23:30	G					---	inst. change		
		23:30	01:05	G	X	987	Gaidos	iSHELL			MSC	
May. 14	Sa	01:05	06:05	G	X	066	De	iSHELL			MSC	
		06:05	06:15	G					---	facility close		
May. 14	Sa	12:00	12:30	W					---	facility open		
		12:30	17:30	W	X	046	Khan	iSHELL			ACB	Daylight Obs
		17:30	17:40	W					---	facility close		
May. 14	Sa	18:15	18:45	G,E					---	facility open		
		18:45	19:15	G,E					---	inst. change		
		19:15	22:00	G,E		999	Engineering	TBD			SJB	
		22:00	03:00	G,E	X	069	Howell	SpeX			SJB	
May. 15	Su	03:00	06:05	G	X	025	Cartwright	SpeX			SJB	
		06:05	06:15	G					---	facility close		
May. 15	Su	18:15	18:45	E					---	facility open		
		18:45	22:50	E	X	051	Tinyanont	SpeX/MORIS			MSC	
		22:50	01:20	E	X	073	Thomas	SpeX/MORIS			SJB	
May. 16	Mo	01:20	02:50	E	X	044	Su	SpeX			MSC	
		02:50	05:20	E	X	003	Woodward	SpeX/MORIS			MSC	
		05:20	06:05	E	X	048	Tate	SpeX			MSC	Service Obs.
		06:05	06:15	E					---	facility close		
May. 16	Mo	11:30	12:00	R					---	facility open		
		12:00	12:30	R					---	inst. change		

	12:30	17:30	R	X	046	Khan	iSHELL	ACB	Daylight Obs
	17:30	17:40	R			---	facility close		
May. 16 Mo	18:15	18:45	E			---	facility open		
	18:45	19:15	E			---	inst. change		
	19:15	21:20	E		999	Engineering	TBD	SJB	
	21:20	23:05	E	X	050	Treu	SpeX	MSC	
	23:05	01:05	E	X	078	Fischer	SpeX	MSC	
May. 17 Tu	01:05	03:05	E	X	023	Mitchell	SpeX	MSC	
	03:05	03:50	E	X	087	Corlies	SpeX	MSC	Service Obs.
	03:50	05:20	E	X	072	Protopapa	SpeX/MORIS	MSC	
	05:20	06:05	E	X	048	Tate	SpeX	MSC	Service Obs.
	06:05	06:15	E			---	facility close		
May. 17 Tu	18:15	18:45	E,C,W			---	facility open		
	18:45	00:30	E,C,W	X	031	Faherty	SpeX	MSC	
May. 18 We	00:30	01:00	E			---	inst. change		
	01:00	05:30	E	X	055	Ejeta	iSHELL	ACB	
	05:30	09:30	E,R	X	045	Mehrle	iSHELL	ACB	Daylight Obs
	09:30	09:40	R			---	facility close		
	10:00	16:00				---	inst. change		
May. 18 We	18:15	18:45	C,W			---	facility open		
	18:45	01:30	C,W	X	031	Faherty	SpeX	MSC	
May. 19 Th	01:30	03:00	C,W	X	044	Su	SpeX	MSC	
	03:00	06:05	C,W	X	025	Cartwright	SpeX	SJB	
	06:05	06:15	C,W			---	facility close		
May. 19 Th	18:15	18:45	C,W			---	facility open		
	18:45	04:35	C,W	X	029	Faherty	SpeX	ACB	
May. 20 Fr	04:35	05:20	C,W	X	087	Corlies	SpeX	ACB	Service Obs.
	05:20	06:05	C,W	X	048	Tate	SpeX	ACB	Service Obs.
	06:05	06:15	C,W			---	facility close		
May. 20 Fr	18:15	18:45	C,W,G			---	facility open		
	18:45	20:15	C,W,G		999	Engineering	TBD	SJB	
	20:15	21:00	C,W,G	X	021	Willner	SpeX/MORIS	ACB	
	21:00	22:45	C,W,G	X	050	Treu	SpeX	ACB	
	22:45	23:45	C,W,G		999	Engineering	TBD	SJB	
	23:45	01:15	C,W	X	044	Su	SpeX	SJB	
May. 21 Sa	01:15	04:45	C,W	X	086	Lau	SpeX	SJB	First Night
	04:45	10:45	C,W,M,MK		019	Orton	SpeX	MSC	Daylight Obs
	10:45	10:55	M,M			---	facility close		
May. 21 Sa	18:15	18:45	G			---	facility open		
	18:45	23:00	G		999	Engineering	TBD	SJB	
	23:00	04:00	G	X	069	Howell	SpeX	SJB	
May. 22 Su	04:00	04:45	G	X	087	Corlies	SpeX	MSC	Service Obs.

	04:45	10:45	G,M,M	X	019	Orton	SpeX	MSC	Daylight Obs
	10:45	10:55	M,M			---	facility close		
May. 22 Su	18:15	18:45	G			---	facility open		
	18:45	03:00	G	X	077	Theissen	SpeX	ACB	
May. 23 Mo	03:00	03:30	G			---	inst. change		
	03:30	04:45	G	X	086	Lau	MIRSI	MSC	First Night
	04:45	10:45	G,R	X	035	Orton	MIRSI	MSC	Daylight Obs
	10:45	11:15	R			---	inst. change		
	11:15	11:25	R			---	facility close		
May. 23 Mo	18:15	18:45	G,E			---	facility open		
	18:45	22:45	G,E	X	077	Theissen	SpeX	ACB	
	22:45	23:15	G,E			---	inst. change		
	23:15	05:15	G,E	X	044	Su	MIRSI	MSC	First Night
May. 24 Tu	05:15	11:15	G,R	X	035	Orton	MIRSI	MSC	Daylight Obs
	11:15	11:45	R			---	inst. change		
	11:45	11:55	R			---	facility close		
May. 24 Tu	18:15	18:45	E			---	facility open		
	18:45	20:45	E		999	Engineering	TBD	SJB	
	20:45	22:45	E	X	050	Treu	SpeX	ACB	
	22:45	00:45	E	X	023	Mitchell	SpeX	ACB	
May. 25 We	00:45	02:45	E	X	044	Su	SpeX	ACB	
	02:45	05:20	E	X	025	Cartwright	SpeX	ACB	
	05:20	06:05	E	X	048	Tate	SpeX	ACB	Service Obs.
	06:05	06:15	E			---	facility close		
May. 25 We	18:15	18:45	E			---	facility open		
	18:45	22:20	E		999	Engineering	TBD	SJB	
	22:20	01:50	E	X	057	Banzatti	iSHELL	MSC	
May. 26 Th	01:50	02:20	E			---	inst. change		
	02:20	03:50	E	X	044	Su	SpeX	MSC	
	03:50	04:35	E	X	087	Corlies	SpeX	MSC	Service Obs.
	04:35	05:05	E			---	inst. change		
	05:05	06:05	E	X	079	Sinclair	MIRSI	MSC	
	06:05	06:15	E			---	facility close		
	10:00	16:00				---	inst. change		
May. 26 Th	18:30	19:00	E,C,W			---	facility open		
	19:00	01:50	E,C,W	X	030	Hinkle	SpeX/MORIS	ACB	
May. 27 Fr	01:50	04:50	E	X	069	Howell	SpeX	ACB	
	04:50	06:20	E	X	048	Tate	SpeX	ACB	Io eclipse
	06:20	06:30	E			---	facility close		
May. 27 Fr	18:15	18:45	C,W			---	facility open		
	18:45	20:00	C,W		999	Engineering	TBD	SJB	
	20:00	20:45	C,W	X	021	Willner	SpeX/MORIS	ACB	

	20:45	22:45	C,W	X	050	Treu	SpeX	ACB
	22:45	01:35	C,W		999	Engineering	TBD	SJB
May. 28 Sa	01:35	02:05	C,W			--- inst. change		
	02:05	05:05	C,W	X	085	Trilling	MIRSI/MOC	MSC
	05:05	06:05	C,W	X	079	Sinclair	MIRSI	MSC
	06:05	06:15	C,W			--- facility close		
May. 28 Sa	18:15	18:45	C,W			--- facility open		
	18:45	19:15	C,W			--- inst. change		
	19:15	00:30	C,W	X	029	Faherty	SpeX	MSC
May. 29 Su	00:30	01:00	C,W			--- inst. change		
	01:00	06:15	C,W	X	055	Ejeta	iSHELL	ACB
	06:15	11:15	M,M	X	028	Faggi	iSHELL	ACB Daylight Obs
	11:15	11:45	M,M			--- inst. change		
	11:45	11:55	M,M			--- facility close		
May. 29 Su	18:15	18:45	C,W,G			--- facility open		
	18:45	23:05	C,W,G	X	029	Faherty	SpeX	ACB
	23:05	04:35	C,W,G	X	072	Protopapa	SpeX/MORIS	ACB
May. 30 Mo	04:35	05:05	C,W			--- inst. change		
	05:05	06:05	C,W	X	079	Sinclair	MIRSI	MSC
	06:05	06:15	C,W			--- facility close		
	10:00	16:00				--- inst. change		
May. 30 Mo	18:15	18:45	G			--- facility open		
	18:45	22:35	G		999	Engineering	TBD	SJB
	22:35	01:35	G	X	076	Sonnett	SpeX	SJB
May. 31 Tu	01:35	04:35	G	X	033	Holler	SpeX	SJB
	04:35	05:05	G			--- inst. change		
	05:05	06:05	G	X	079	Sinclair	MIRSI	MSC
	06:05	06:15	G			--- facility close		
	10:00	16:00				--- inst. change		
May. 31 Tu	18:15	18:45	G			--- facility open		
	18:45	20:20	G		999	Engineering	TBD	SJB
	20:20	22:05	G	X	050	Treu	SpeX	ACB
	22:05	00:05	G	X	078	Fischer	SpeX	ACB

**Observer List****May, 2022**

- 002 Oriel Humes, Cristina Thomas
- 003 Chick Woodward, Dipankar P.K. Banerjee, Nye Evans, Sumner Starrfield
- 019 Glenn Orton, Thomas Momary, Emma Dahl, Kevin Baines, Xi Zhang, Arrate Antunano, Leigh Fletcher, Michael H. Wong, Patrick Irwin, Tommy Greathouse, Rohini Giles, Davide Grassi
- 021 Steven Willner, Mark Gurwell, Joseph Hora, Sera Markoff, Joseph Neilsen, Giovanni Fazio, Daryl Haggard, Michael Nowak, Howard Smith
- 023 Jake Mitchell, Hermine Landt, Martin Ward, Daniel Kynoch, Keith Horne, Ed Cackett, Varoujan Gorjian, Juan Hernandez Santisteban, Mike Brotherton, Laura Ferrarese, Thaisa Storchi-Bergmann
- 025 Richard Cartwright, Chloe Beddingfield, Tom Nordheim, Francesca Scipioni, Joshua Emery
- 028 Sara Faggi, Giuliano Liuzzi, Shohei Aoki, Geronimo Villanueva, Michael Mumma, Hideo Sagawa
- 029 Jackie Faherty, Austin Rothermich, Dan Caselden, Les Hamlet, Aaron Meisner, Marc Kuchner, Adam Schneider
- 030 Jason Hinkle, Benjamin Shappee, Christopher Ashall, Anna Payne
- 031 Jackie Faherty, Austin Rothermich, Dan Caselden, Emily Calamari, Adam Schneider, Marc Kuchner, Aaron Meisner
- 033 Bryan Holler, Leslie Young, Will Grundy, Silvia Protopapa, Cathy Olkin
- 035 Glenn Orton, Joseph Hora, James Sinclair, Arrate Antunano, Leigh Fletcher, Tom Momary, Shawn Brueshaber, Emma Dahl, Henrik Melin, Rohini Giles, Thomas Greathouse
- 036 Josefina Gaarn, Ben Burningham, Jackie Faherty, Daniella Bardalez Gagliuffi
- 038 Javier Peralta, Daniela Espadinha, Pedro Machado, Eliot Young, Glenn Orton, Mark Bullock, Makoto Taguchi, Itziar Garate-Lopez, Yeon Joo Lee
- 043 Michael Mumma, Sara Faggi, Geronimo Villanueva, Manuela Lippi
- 044 Kate Su, George Rieke, Michael Sitko, Taran Esplin
- 045 Nicholas Mehrle, Kaitlin Rasmussen, Sara Seager, Janusz Petkowski
- 046 Younas Khan, Erika Gibb, Nathan Roth, Neil Dello Russo, Michael DiSanti, Boncho Bonev, Mohammad Saki, Ron Vervack, Adam McKay, Michael Combi, Chemed Ejeta, Hideyo Kawakita, Yinsi Shou
- 048 Christian Tate, Madeline Pettine, Julie Rathbun, Alexander Hayes
- 050 Tommaso Treu, Vardha Bennert, Michael Brotherton, Hermine Landt, Jan-Min Wang, Matthew Malkan, Aaron Barth, Yan-Rong Li, Pu Du, Chen Hu, Nathalia De Souza, Jewel Capili, Jess Howell, Jacob McLane
- 051 Samaporn Tinyanont, Ryan Foley, Charlie Kilpatrick, Jens Hjorth, Christa Gall, Gautham Narayan, Alexander Gagliano, Jeonghee Rho, Aravind Ravi
- 055 Chemed Ejeta, Erika Gibb, Nathan Roth, Neil Dello Russo, Younas Khan, Boncho Bonev, Mike DiSanti, Adam McKay, Ron Vervack, Mohi Saki, Mike Combi, Hideyo Kawakita, Yinsi Shou
- 057 Andrea Banzatti, Sean Brittain, Kirsten Abernathy, Josh Kern, Adwin Boogert, Rocio Sigler, Janus Kozdon, Jose Perez, John Rayner
- 066 Kishalay De, Roberto Soria, Ryan Lau, Viraj Karambelkar, Mansi Kasliwal
- 069 Ellen Howell, Ronald Vervack, Yanga Fernandez, Mary Hinkle, Kiana McFadden, Samuel Myers, Sean Marshall
- 072 Silvia Protopapa, Michael S.P. Kelley, Bin Yang
- 073 Cristina Thomas, Andy Rivkin, David Trilling
- 076 Sarah Sonnett, Driss Takir, Vishnu Reddy, Zachary Smith, Lucy Williamson
- 077 Christopher Theissen, Daniella Bardalez Gagliuffi, Elisabeth Newton, Adam Burgasser, Jacqueline Faherty, Jonathan Gagne, Phil Muirhead, Eileen Gonzales, Andrew Mann, Chih-Chun Hsu, Christian Aganze
- 078 Will Fischer, Tracy Beck, James Muzerolle
- 079 James Sinclair, Glenn Orton, Chihiro Tao, Tom Momary, Thomas Greathouse, Leigh Fletcher
- 083 Christian Flores, Michael Connelley, Jonathan Williams, Greg Doppmann, Nagayoshi Ohashi
- 085 David Trilling, Andy Lopez Oquendo, Joseph Hora, Howard Smith
- 086 Ryan Lau, Kishalay De, Roberto Soria, Mansi Kasliwal
- 087 Paul Corlies, Alexander Hayes, Mate Adamkovics, Sebastien Rodriguez, Elizabeth Turtle, Jason Soderblom, Alejandro Soto, Patricio Rojo, Jonathan Mitchell, Juan Lora, Jonathan Lunine
- 092 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Saurabh Jha, Chris Ashall, Edward Baron, Chris Burns, Francisco Forster, Lluís Galbany, Peter Hoefflich, Sahana Kumar, Jing Lu, Howie Marion, Nidia Morrell, Anthony Piro, Max Stritzinger, Nicholas Suntzeff, Syed Ashraf Uddin
- 096 Bryce Bolin, Casey Lisse, Marco Delbo, Chrysa Avdellidou

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Jun. 1 We	00:05 01:50	G	X	023 Mitchell	SpeX	ACB	
	01:50 04:35	G	X	033 Holler	SpeX	SJB	
	04:35 05:05	G		--- inst. change			
	05:05 06:05	G	X	079 Sinclair	MIRSI	MSC	
	06:05 06:15	G		--- facility close			
Jun. 1 We	10:00 16:00			--- inst. change			
	18:20 18:50	G,E		--- facility open			
	18:50 22:10	G,E		999 Engineering	TBD	SJB	
Jun. 2 Th	22:10 01:10	G,E	X	057 Banzatti	iSHELL	SJB	
	01:10 01:40	G		--- inst. change			
	01:40 04:40	G	X	033 Holler	SpeX	SJB	
	04:40 05:10	G		--- inst. change			
	05:10 06:10	G	X	079 Sinclair	MIRSI	MSC	
Jun. 2 Th	06:10 06:20	G		--- facility close			
	10:00 16:00			--- inst. change			
	18:20 18:50	E		--- facility open			
Jun. 3 Fr	18:50 01:40	E	X	990 Bus	SpeX/MORIS	SJB	
	01:40 04:40	E	X	033 Holler	SpeX	SJB	
	04:40 05:10	E		--- inst. change			
	05:10 06:10	E	X	079 Sinclair	MIRSI	MSC	
	06:10 06:20	E		--- facility close			
Jun. 3 Fr	10:00 16:00			--- inst. change			
	18:20 18:50	E		--- facility open			
	18:50 01:40	E	X	986 Storfer	SpeX	SJB	
Jun. 4 Sa	01:40 04:40	E	X	033 Holler	SpeX	SJB	
	04:40 05:10	E		--- inst. change			
	05:10 06:10	E	X	079 Sinclair	MIRSI	MSC	
	06:10 06:20	E		--- facility close			
Jun. 4 Sa	18:20 18:50	E,C,M,M		--- facility open			
	18:50 19:20	E,C,M,M		--- inst. change			
	19:20 01:40	E,C,M,MX		092 Shahbandeh	SpeX/MORIS	ACB	
Jun. 5 Su	01:40 04:40	E	X	033 Holler	SpeX	ACB	
	04:40 05:10	E		--- inst. change			
	05:10 06:10	E	X	079 Sinclair	MIRSI	MSC	
	06:10 06:20	E		--- facility close			
Jun. 5 Su	18:20 18:50	C,M,M		--- facility open			
	18:50 19:20	C,M,M		--- inst. change			
	19:20 01:40	C,M,M	X	013 DeMeo	SpeX/MORIS	SJB	
Jun. 6 Mo	01:40 02:10	C,M,M		--- inst. change			
	02:10 05:10	C,M,M	X	085 Trilling	MIRSI/MOC	MSC	
	05:10 06:10	C,M,M	X	079 Sinclair	MIRSI	MSC	
	06:10 06:20	C,M,M		--- facility close			

	10:00	16:00	--- inst. change						
Jun. 6 Mo	18:20	18:50	C,M,M	--- facility open					
	18:50	23:30	C,M,M	X	986	Storfer	SpeX	SJB	
	23:30	04:40	C,M,M	X	020	Sickafoose	SpeX/MORIS	SJB	Occultation
Jun. 7 Tu	04:40	05:25	C,M,M	X	087	Corlies	SpeX	SJB	Service Obs.
	05:25	06:10	C,M,M	X	048	Tate	SpeX	SJB	Service Obs.
	06:10	06:20	C,M,M	--- facility close					
	10:00	16:00	--- inst. change						
Jun. 7 Tu	18:20	18:50	C,M,M,G	--- facility open					
	18:50	22:30	C,M,M,GX		987	Gaidos	iSHELL	SJB	
	22:30	03:00	C,M,M,GX		055	Ejeta	iSHELL	SJB	
Jun. 8 We	03:00	06:10	C,M,M	X	036	Gaarn	iSHELL	SJB	
	06:10	06:20	C,M,M	--- facility close					
	10:00	16:00	--- inst. change						
Jun. 8 We	18:20	18:50	G	--- facility open					
	18:50	20:10	G	X	021	Willner	SpeX/MORIS	MSC	
	20:10	22:10	G	X	023	Mitchell	SpeX	MSC	
	22:10	00:10	G	X	078	Fischer	SpeX	MSC	
Jun. 9 Th	00:10	06:10	G	X	060	Gaudin	SpeX	MSC	
	06:10	06:20	G	--- facility close					
Jun. 9 Th	18:20	18:50	G	--- facility open					
	18:50	02:10	G	X	049	Delbo	SpeX/MORIS	SJB	
Jun. 10 Fr	02:10	02:55	G	X	087	Corlies	SpeX	SJB	Service Obs.
	02:55	05:25	G	X	025	Cartwright	SpeX	SJB	
	05:25	06:10	G	X	048	Tate	SpeX	SJB	Service Obs.
	06:10	06:20	G	--- facility close					
Jun. 10 Fr	18:20	18:50	G,E	--- facility open					
	18:50	21:15	G,E		999	Engineering	TBD	SJB	
	21:15	01:15	G,E	X	020	Sickafoose	SpeX/MORIS	SJB	Occultation
Jun. 11 Sa	01:15	05:25	G	X	065	Ashby	SpeX	ACB	First Night
	05:25	06:10	G	X	019	Orton	SpeX	MSC	
	06:10	06:20	G	--- facility close					
Jun. 11 Sa	18:20	18:50	E	--- facility open					
	18:50	03:15	E	X	031	Faherty	SpeX	MSC	
Jun. 12 Su	03:15	04:45	E	X	048	Tate	SpeX	MSC	Io eclipse
	04:45	05:25	E	X	087	Corlies	SpeX	MSC	Service Obs.
	05:25	06:10	E	X	019	Orton	SpeX	MSC	
	06:10	06:20	E	--- facility close					
Jun. 12 Su	18:20	18:50	E	--- facility open					
	18:50	22:25	E	X	031	Faherty	SpeX	MSC	
	22:25	02:55	E	X	002	Humes	SpeX/MORIS	SJB	
Jun. 13 Mo	02:55	05:25	E	X	025	Cartwright	SpeX	SJB	

	05:25	06:10	E	X	048	Tate	SpeX	SJB	Service Obs.
	06:10	06:20	E			--- facility close			
Jun. 13 Mo	18:20	18:50	E,C,W			--- facility open			
	18:50	00:10	E,C,W	X	031	Faherty	SpeX	MSC	
Jun. 14 Tu	00:10	06:10	E	X	065	Ashby	SpeX	ACB	
	06:10	06:20	E			--- facility close			
Jun. 14 Tu	18:20	18:50	C,W			--- facility open			
	18:50	21:40	C,W	X	023	Mitchell	SpeX	MSC	
	21:40	23:40	C,W	X	078	Fischer	SpeX	MSC	
	23:40	04:40	C,W	X	072	Protopapa	SpeX/MORIS	MSC	
Jun. 15 We	04:40	05:25	C,W	X	087	Corlies	SpeX	MSC	Service Obs.
	05:25	06:10	C,W	X	048	Tate	SpeX	MSC	Service Obs.
	06:10	06:20	C,W			--- facility close			
	10:00	16:00				--- inst. change			
Jun. 15 We	18:20	18:50	C,W			--- facility open			
	18:50	22:50	C,W	X	987	Gaidos	iSHELL	MSC	
	22:50	06:10	C,W	X	097	Lee	iSHELL	MSC	
Jun. 16 Th	06:10	06:20	C,W			--- facility close			
Jun. 16 Th	18:20	18:50	C,W,G			--- facility open			
	18:50	22:00	C,W,G	X	987	Gaidos	iSHELL	MSC	
	22:00	03:00	C,W,G	X	066	De	iSHELL	MSC	
Jun. 17 Fr	03:00	06:10	C,W	X	015	Han	iSHELL	MSC	
	06:10	06:20	C,W			--- facility close			
Jun. 17 Fr	18:20	18:50	G			--- facility open			
	18:50	22:00	G	X	015	Han	iSHELL	MSC	
	22:00	02:30	G	X	055	Ejeta	iSHELL	MSC	
Jun. 18 Sa	02:30	06:00	G	X	015	Han	iSHELL	MSC	
	06:00	11:00	G,R	X	028	Faggi	iSHELL	MSC	Daylight Obs
	11:00	11:10	R			--- facility close			
Jun. 18 Sa	18:50	19:20	G			--- facility open			
	19:20	03:00	G	X	057	Banzatti	iSHELL	SJB	
Jun. 19 Su	03:00	03:30	G			--- inst. change			
	03:30	05:10	G		999	Engineering	TBD	SJB	
	05:10	06:40	G	X	048	Tate	SpeX	SJB	Io eclipse
	06:40	06:50	G			--- facility close			
Jun. 19 Su	18:20	18:50	G,E			--- facility open			
	18:50	20:10	G,E	X	021	Willner	SpeX/MORIS	SJB	
	20:10	23:10	G,E	X	010	Schneider	SpeX	SJB	
	23:10	01:40	G,E	X	003	Woodward	SpeX/MORIS	MSC	
Jun. 20 Mo	01:40	06:10	G	X	065	Ashby	SpeX	SJB	
	06:10	06:20	G			--- facility close			
Jun. 20 Mo	18:20	18:50	E			--- facility open			

	18:50	00:10	E	X	010	Schneider	SpeX	SJB	
Jun. 21 Tu	00:10	05:25	E	X	065	Ashby	SpeX	SJB	
	05:25	06:10	E	X	048	Tate	SpeX	SJB	Service Obs.
	06:10	06:20	E			--- facility close			
Jun. 21 Tu	18:20	18:50	E			--- facility open			
	18:50	21:40	E		999	Engineering	TBD	SJB	
	21:40	23:40	E	X	078	Fischer	SpeX	MSC	
	23:40	02:40	E	X	041	Rushton	SpeX	MSC	
Jun. 22 We	02:40	06:10	E	X	004	Woodward	SpeX/MORIS	MSC	
	06:10	06:20	E			--- facility close			
Jun. 22 We	18:20	18:50	E,C,M,M			--- facility open			
	18:50	00:40	E,C,M,MX		051	Tinyanont	SpeX/MORIS	MSC	
Jun. 23 Th	00:40	02:10	E	X	044	Su	SpeX	MSC	
	02:10	02:55	E	X	087	Corlies	SpeX	MSC	Service Obs.
	02:55	05:25	E	X	025	Cartwright	SpeX	SJB	
	05:25	06:10	E	X	048	Tate	SpeX	SJB	Service Obs.
	06:10	06:20	E			--- facility close			
Jun. 23 Th	18:20	18:50	C,M,M			--- facility open			
	18:50	23:59	C,M,M	X	011	Burgasser	SpeX	MSC	
	23:59	00:30	C,M,M			--- inst. change			
Jun. 24 Fr	00:30	02:30	C,M,M		999	Engineering	TEXES	SJB	
	02:30	07:30	C,M,M,W		061	Sinclair	TEXES	SJB	Daylight Obs
	07:30	11:00	W		009	Encrenaz	TEXES	SJB	Daylight Obs
	11:00	11:30	W			--- inst. change			
	11:30	11:40	W			--- facility close			
Jun. 24 Fr	18:20	18:50	C,M,M			--- facility open			
	18:50	23:59	C,M,M	X	011	Burgasser	SpeX	MSC	
	23:59	00:30	C,M,M			--- inst. change			
Jun. 25 Sa	00:30	02:30	C,M,M		039	Fuchs	TEXES	SJB	
	02:30	07:30	C,M,M,W		061	Sinclair	TEXES	SJB	Daylight Obs
	07:30	11:00	W		009	Encrenaz	TEXES	SJB	Daylight Obs
	11:00	11:10	W			--- facility close			
Jun. 25 Sa	18:00	18:30	C,M,M,G			--- facility open			
	18:30	21:00	C,M,M,G		084	Stancil	TEXES	SJB	
	21:00	21:30	C,M,M,G			--- inst. change			
	21:30	02:00	C,M,M,GX		011	Burgasser	SpeX	MSC	
Jun. 26 Su	02:00	02:30	C,M,M			--- inst. change			
	02:30	06:30	C,M,M,W		014	Tsang	TEXES	SJB	
	06:30	11:00	W		012	Giles	TEXES	SJB	Daylight Obs
	11:00	11:10	W			--- facility close			
Jun. 26 Su	18:00	18:30	G			--- facility open			
	18:30	21:00	G		084	Stancil	TEXES	SJB	

	21:00	21:30	G				---	inst. change		
	21:30	02:00	G	X	082	Takir	SpeX		MSC	
Jun. 27 Mo	02:00	02:30	G				---	inst. change		
	02:30	06:30	G,R		014	Tsang	TEXES		SJB	
	06:30	11:00	R		009	Encrenaz	TEXES		SJB	Daylight Obs
	11:00	11:30	R				---	inst. change		
	11:30	11:40	R				---	facility close		
Jun. 27 Mo	18:20	18:50	G				---	facility open		
	18:50	02:00	G	X	082	Takir	SpeX		MSC	
Jun. 28 Tu	02:00	02:30	G				---	inst. change		
	02:30	06:30	G,R		014	Tsang	TEXES		SJB	
	06:30	11:00	R		009	Encrenaz	TEXES		SJB	Daylight Obs
	11:00	11:30	R				---	inst. change		
	11:30	11:40	R				---	facility close		
Jun. 28 Tu	18:20	18:50	G,E				---	facility open		
	18:50	21:00	G,E	X	021	Willner	SpeX/MORIS		SJB	
	21:00	23:00	G,E	X	078	Fischer	SpeX		SJB	
	23:00	02:00	G,E	X	984	Rivkin	SpeX		SJB	
Jun. 29 We	02:00	02:30	G				---	inst. change		
	02:30	06:30	G,R		014	Tsang	TEXES		SJB	
	06:30	11:00	R		009	Encrenaz	TEXES		SJB	Daylight Obs
	11:00	11:30	R				---	inst. change		
	11:30	11:40	R				---	facility close		
Jun. 29 We	18:20	18:50	E				---	facility open		
	18:50	23:59	E	X	032	Emery	SpeX/MORIS		SJB	
	23:59	00:30	E				---	inst. change		
Jun. 30 Th	00:30	02:30	E		054	Blake	TEXES		SJB	
	02:30	07:30	E,M,M		022	Antunano	TEXES		SJB	
	07:30	11:00	M,M		009	Encrenaz	TEXES		SJB	Daylight Obs
	11:00	11:30	M,M				---	inst. change		
	11:30	11:40	M,M				---	facility close		
Jun. 30 Th	18:20	18:50	E				---	facility open		
	18:50	23:59	E	X	032	Emery	SpeX/MORIS		SJB	
	23:59	00:30	E				---	inst. change		

**Observer List****June, 2022**

- 002 Oriel Humes, Cristina Thomas  
003 Chick Woodward, Dipankar P.K. Banerjee, Nye Evans, Sumner Starrfield  
004 Chick Woodward  
009 Therese Encrenaz, Thomas Greathouse, Rohini Giles, Emmanuel Marcq, Thomas Widemann, Hideo Sagawa, Bruno Bezard, Thierry Fouchet  
010 Adam Schneider, Jacqueline Faherty, Aaron Meisner, Marc Kuchner, Davy Kirkpatrick  
011 Adam Burgasser, Nicolas Lodieu, Christian Aganze, Enrique Solano, Eduardo Martin  
012 Rohini Giles, Thomas Greathouse, Therese Encrenaz, Amanda Brecht, Kandis Lea Jessup  
013 Francesca DeMeo, Schelte J. Bus, Brian Burt, David Polishook, Michael Marsset, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin  
014 Constantine Tsang, John Spencer  
015 Eunky Han  
019 Glenn Orton, Thomas Momary, Emma Dahl, Kevin Baines, Xi Zhang, Arrate Antunano, Leigh Fletcher, Michael H. Wong, Patrick Irwin, Tommy Greathouse, Rohini Giles, Davide Grassi  
020 Amanda Sickafoose, Michael Person, Carlos Zuluaga, Amanda Bosh, Stephen Levine  
021 Steven Willner, Mark Gurwell, Joseph Hora, Sera Markoff, Joseph Neilsen, Giovanni Fazio, Daryl Haggard, Michael Nowak, Howard Smith  
022 Arrate Antunano, Leigh N. Fletcher, Thomas Greathouse, Glenn S Orton, Rohini Giles, Henrik Melin, Pdraig T. Donnelly, James A. Sinclair, Michael T. Roman, James Blake, Jake Harkett  
023 Jake Mitchell, Hermine Landt, Martin Ward, Daniel Kynoch, Keith Horne, Ed Cackett, Varoujan Gorjian, Juan Hernandez Santisteban, Mike Brotherton, Laura Ferrarese, Thaisa Storchi-Bergmann  
025 Richard Cartwright, Chloe Beddingfield, Tom Nordheim, Francesca Scipioni, Joshua Emery  
028 Sara Faggi, Giuliano Liuzzi, Shohei Aoki, Geronimo Villanueva, Michael Mumma, Hideo Sagawa  
031 Jackie Faherty, Austin Rothermich, Dan Caselden, Emily Calamari, Adam Schneider, Marc Kuchner, Aaron Meisner  
032 Joshua Emery, Devon Burr, Lucas McClure, Julia de Leon, Cristina Thomas, Andy Rivkin, Kevin Walsh  
033 Bryan Holler, Leslie Young, Will Grundy, Silvia Protopapa, Cathy Olkin  
036 Josefina Gaarn, Ben Burningham, Jackie Faherty, Daniella Bardalez Gagliuffi  
039 Guido Fuchs, Eileen Doering, Thomas Giesen, Thomas Greathouse, John Lacy  
041 Mark Rushton, Marcel Popescu, Ruxandra Toma, Cristian Danescu  
044 Kate Su, George Rieke, Michael Sitko, Taran Esplin  
048 Christian Tate, Madeline Pettine, Julie Rathbun, Alexander Hayes  
049 Marco Delbo, Jules Bourdelle de Micas, Chrysa Avdellidou, Paolo Tanga, Sonia Fornasier, Laurent Galluccio, Alberto Cellino  
051 Samaporn Tinyanont, Ryan Foley, Charlie Kilpatrick, Jens Hjorth, Christa Gall, Gautham Narayan, Alexander Gagliano, Jeonghee Rho, Aravind Ravi  
054 James Blake, Leigh Fletcher, Thomas Greathouse, Glenn Orton, Jack Harkett, Henrik Melin, Mike Roman, Arrate Antunano, Naomi Rowe-Gurney, Pdraig Donnelly, Oliver King  
055 Chemed Ejeta, Erika Gibb, Nathan Roth, Neil Dello Russo, Younas Khan, Boncho Bonev, Mike DiSanti, Adam Mckay, Ron Vervack, Mohi Saki, Mike Combi, Hideyo Kawakita, Yinsi Shou  
057 Andrea Banzatti, Sean Brittain, Kirsten Abernathy, Josh Kern, Adwin Boogert, Rocio Sigler, Janus Kozdon, Jose Perez, John Rayner  
060 Thomas Gaudin, Ryan Norris, Michelle Creech-Eakman  
061 James Sinclair, Thomas Greathouse, Rohini Giles, Glenn Orton, Arrate Antunano, Leigh Fletcher, Patrick Irwin  
065 Matthew Ashby, Joseph Hora  
066 Kishalay De, Roberto Soria, Ryan Lau, Viraj Karambelkar, Mansi Kasliwal  
072 Silvia Protopapa, Michael S.P. Kelley, Bin Yang  
078 Will Fischer, Tracy Beck, James Muzerolle  
079 James Sinclair, Glenn Orton, Chihiro Tao, Tom Momary, Thomas Greathouse, Leigh Fletcher  
082 Driss Takir, Joshua Emery  
084 Phillip Stancil, Matt Richtner, Ziwei Zhang, John Lacy  
085 David Trilling, Andy Lopez Oquendo, Joseph Hora, Howard Smith  
087 Paul Corlies, Alexander Hayes, Mate Adamkovics, Sebastien Rodriguez, Elizabeth Turtle, Jason Soderblom, Alejandro Soto, Patricio Rojo, Jonathan Mitchell, Juan Lora, Jonathan Lunine  
092 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Saurabh Jha, Chris Ashall, Edward Baron, Chris Burns, Francisco Forster, Lluís Galbany, Peter Hoefflich, Sahana Kumar, Jing Lu, Howie Marion, Nidia Morrell, Anthony Piro, Max Stritzinger, Nicholas Suntzeff, Syed Ashraf Uddin  
097 Rena Lee, Eric Gaidos

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Jul. 1 Fr	00:30 02:30	E		054 Blake	TEXES	SJB	
	02:30 07:30	E,M,M		022 Antunano	TEXES	SJB	
	07:30 11:00	M,M		009 Encrenaz	TEXES	SJB	Daylight Obs
	11:00 11:30	M,M		--- inst. change			
	11:30 11:40	M,M		--- facility close			
Jul. 1 Fr	18:25 18:55	E,C,W		--- facility open			
	18:55 22:30	E,C,W	X	983 Landt	SpeX	SJB	
	22:30 23:59	E,C,W	X	072 Protopapa	SpeX/MORIS	SJB	
	23:59 00:30	E		--- inst. change			
Jul. 2 Sa	00:30 02:30	E		054 Blake	TEXES	SJB	
	02:30 06:30	E		014 Tsang	TEXES	SJB	
	06:30 11:00	M,M		009 Encrenaz	TEXES	SJB	Daylight Obs
	11:00 11:30	M,M		--- inst. change			
	11:30 11:40	M,M		--- facility close			
Jul. 2 Sa	18:25 18:55	C,W		--- facility open			
	18:55 23:59	C,W	X	049 Delbo	SpeX/MORIS	SJB	
	23:59 00:30	C,W		--- inst. change			
Jul. 3 Su	00:30 02:30	C,W		054 Blake	TEXES	SJB	
	02:30 06:30	C,W		014 Tsang	TEXES	SJB	
	06:30 11:00	M,M		009 Encrenaz	TEXES	SJB	Daylight Obs
	11:00 11:30	M,M		--- inst. change			
	11:30 11:40	M,M		--- facility close			
Jul. 3 Su	18:25 18:55	C,W		--- facility open			
	18:55 23:59	C,W	X	049 Delbo	SpeX/MORIS	SJB	
	23:59 00:30	C,W		--- inst. change			
Jul. 4 Mo	00:30 02:30	C,W		054 Blake	TEXES	SJB	
	02:30 07:30	C,W,R		061 Sinclair	TEXES	SJB	Daylight Obs
	07:30 11:00	R		009 Encrenaz	TEXES	SJB	Daylight Obs
	11:00 11:30	R		--- inst. change			
	11:30 11:40	R		--- facility close			
Jul. 4 Mo	18:40 19:10	C,W,G		--- facility open			
	19:10 23:59	C,W,G	X	049 Delbo	SpeX/MORIS	SJB	
	23:59 00:30	C,W		--- inst. change			
Jul. 5 Tu	00:30 02:30	C,W		039 Fuchs	TEXES	SJB	
	02:30 06:30	C,W		061 Sinclair	TEXES	SJB	
	06:30 06:40	C,W		--- facility close			
	10:00 16:00			--- inst. change			
Jul. 5 Tu	18:40 19:10	G		--- facility open			
	19:10 20:30	G	X	021 Willner	SpeX/MORIS	MSC	
	20:30 22:30	G	X	078 Fischer	SpeX	MSC	
	22:30 23:59	G	X	044 Su	SpeX	MSC	
	23:59 00:30	G		--- inst. change			

Jul. 6 We	00:30	05:30	G		054	Blake	TEXES	SJB
	05:30	06:30	G		061	Sinclair	TEXES	SJB
	06:30	06:40	G			---	facility close	
	10:00	16:00				---	inst. change	
Jul. 6 We	18:25	18:55	G			---	facility open	
	18:55	05:30	G	X	097	Lee	iSHELL	ACB
Jul. 7 Th	05:30	10:30	G,R	X	028	Faggi	iSHELL	ACB Daylight Obs
	10:30	10:40	R			---	facility close	
	10:40	16:00				---	inst. change	
Jul. 7 Th	20:35	21:05	G,E			---	facility open	
	21:05	02:25	G,E	X	995	Hodapp	SpeX	MSC
Jul. 8 Fr	02:25	08:25	G	X	019	Orton	SpeX	MSC
	08:25	08:35	G			---	facility close	
Jul. 8 Fr	20:35	21:05	E			---	facility open	
	21:05	02:25	E		999	Engineering	SpeX	SJB Pointing run
Jul. 9 Sa	02:25	08:25	E	X	019	Orton	SpeX	MSC
	08:25	08:35	E			---	facility close	
Jul. 9 Sa	20:35	21:05	E			---	facility open	
	21:05	22:55	E		004	Woodward	SpeX/MORIS	SJB
	22:55	23:25	E			---	inst. change	
	23:25	02:25	E	X	085	Trilling	MIRSI/MOC	MSC
Jul. 10 Su	02:25	08:25	E	X	035	Orton	MIRSI	MSC
	08:25	08:35	E			---	facility close	
Jul. 10 Su	20:35	21:05	E,C,M,M			---	facility open	
	21:05	02:45	E,C,M,MX		044	Su	MIRSI	MSC
Jul. 11 Mo	02:45	08:25	E	X	035	Orton	MIRSI	MSC
	08:25	08:35	E			---	facility close	
	10:00	16:00				---	inst. change	
Jul. 11 Mo	19:00	19:30	C,M,M			---	facility open	
	19:30	23:50	C,M,M	X	057	Banzatti	iSHELL	ACB
	23:50	00:20	C,M,M			---	inst. change	
Jul. 12 Tu	00:20	05:20	C,M,M	X	982	Chu	SpeX	ACB
	05:20	06:50	C,M,M	X	048	Tate	SpeX	ACB Io eclipse
	06:50	07:00	C,M,M			---	facility close	
Jul. 12 Tu	18:25	18:55	C,M,M			---	facility open	
	18:55	20:30	C,M,M	X	021	Willner	SpeX/MORIS	ACB
	20:30	22:30	C,M,M	X	078	Fischer	SpeX	ACB
	22:30	00:15	C,M,M		999	Engineering	TBD	SJB
Jul. 13 We	00:15	06:15	C,M,M	X	056	Damian	SpeX	ACB
	06:15	06:25	C,M,M			---	facility close	
Jul. 13 We	18:25	18:55	C,M,M,G			---	facility open	
	18:55	00:15	C,M,M,GX		989	Keane	SpeX	SJB

Jul. 14	Th	00:15	06:15	C,M,M	X	056	Damian	SpeX	ACB
		06:15	06:25	C,M,M			--- facility close		
Jul. 14	Th	18:25	18:55	G			--- facility open		
		18:55	22:45	G	X	008	McGraw	SpeX/MORIS	SJB
		22:45	00:45	G	X	078	Fischer	SpeX	ACB
Jul. 15	Fr	00:45	01:30	G	X	087	Corlies	SpeX	ACB Service Obs.
		01:30	05:30	G	X	024	Cartwright	SpeX	ACB
		05:30	06:15	G	X	048	Tate	SpeX	ACB Service Obs.
		06:15	06:25	G			--- facility close		
Jul. 15	Fr	18:25	18:55	G			--- facility open		
		18:55	21:45	G		999	Engineering	TBD	SJB
		21:45	06:15	G	X	072	Protopapa	SpeX/MORIS	ACB
Jul. 16	Sa	06:15	06:25	G			--- facility close		
Jul. 16	Sa	18:25	18:55	G,E			--- facility open		
		18:55	19:25	G,E			--- inst. change		
		19:25	00:25	G,E	X	066	De	iSHELL	ACB
Jul. 17	Su	00:25	06:15	G	X	015	Han	iSHELL	ACB
		06:15	06:25	G			--- facility close		
Jul. 17	Su	18:25	18:55	E			--- facility open		
		18:55	19:25	E			--- inst. change		
		19:25	00:45	E	X	077	Theissen	SpeX	ACB
Jul. 18	Mo	00:45	01:30	E	X	087	Corlies	SpeX	ACB Service Obs.
		01:30	05:30	E	X	024	Cartwright	SpeX	ACB
		05:30	06:15	E	X	048	Tate	SpeX	ACB Service Obs.
		06:15	06:25	E			--- facility close		
Jul. 18	Mo	18:25	18:55	E			--- facility open		
		18:55	00:25	E	X	080	Williams	SpeX	ACB
Jul. 19	Tu	00:25	06:15	E	X	056	Damian	SpeX	ACB
		06:15	06:25	E			--- facility close		
Jul. 19	Tu	18:25	18:55	E,C,W			--- facility open		
		18:55	00:25	E,C,W	X	080	Williams	SpeX	ACB
Jul. 20	We	00:25	06:15	E	X	056	Damian	SpeX	ACB
		06:15	06:25	E			--- facility close		
Jul. 20	We	18:25	18:55	C,W			--- facility open		
		18:55	00:50	C,W	X	047	Rackham	SpeX	ACB
Jul. 21	Th	00:50	01:35	C,W	X	087	Corlies	SpeX	ACB Service Obs.
		01:35	03:05	C,W	X	048	Tate	SpeX	ACB Io eclipse
		03:05	06:15	C,W	X	047	Rackham	SpeX	ACB
		06:15	06:25	C,W			--- facility close		
Jul. 21	Th	18:25	18:55	C,W			--- facility open		
		18:55	00:15	C,W	X	077	Theissen	SpeX	ACB
Jul. 22	Fr	00:15	06:15	C,W	X	056	Damian	SpeX	ACB

	06:15	06:25	C,W				---	facility close		
Jul. 22 Fr	18:25	18:55	C,W,G				---	facility open		
	18:55	23:15	C,W,G		999	Engineering	TBD		SJB	
	23:15	06:15	C,W,G	X	081	Takir	SpeX/MORIS		SJB	
Jul. 23 Sa	06:15	06:25	C,W				---	facility close		
Jul. 23 Sa	18:25	18:55	G				---	facility open		
	18:55	00:45	G	X	985	Rayner	SpeX		JTR	
Jul. 24 Su	00:45	01:30	G	X	087	Corlies	SpeX		ACB	Service Obs.
	01:30	05:30	G	X	024	Cartwright	SpeX		ACB	
	05:30	06:15	G	X	048	Tate	SpeX		ACB	Service Obs.
	06:15	06:25	G				---	facility close		
Jul. 24 Su	18:25	18:55	G				---	facility open		
	18:55	23:00	G	X	049	Delbo	SpeX/MORIS		ACB	
	23:00	03:00	G	X	002	Humes	SpeX/MORIS		ACB	
Jul. 25 Mo	03:00	05:30	G	X	001	Young	SpeX		ACB	
	05:30	06:15	G	X	019	Orton	SpeX		ACB	
	06:15	06:25	G				---	facility close		
	10:00	16:00					---	inst. change		
Jul. 25 Mo	18:25	18:55	G,E				---	facility open		
	18:55	00:15	G,E	X	981	Funakoshi	iSHELL		SJB	
Jul. 26 Tu	00:15	00:45	G				---	inst. change		
	00:45	01:30	G	X	087	Corlies	SpeX		ACB	Service Obs.
	01:30	05:30	G	X	024	Cartwright	SpeX		ACB	
	05:30	06:15	G	X	019	Orton	SpeX		ACB	
	06:15	06:25	G				---	facility close		
Jul. 26 Tu	18:25	18:55	E				---	facility open		
	18:55	01:00	E	X	030	Hinkle	SpeX/MORIS		ACB	
Jul. 27 We	01:00	05:00	E	X	024	Cartwright	SpeX		ACB	
	05:00	05:30	E				---	inst. change		
	05:30	10:30	E,W	X	028	Faggi	iSHELL		ACB	Daylight Obs
	10:30	10:40	W				---	facility close		
	10:40	16:00					---	inst. change		
Jul. 27 We	18:25	18:55	E				---	facility open		
	18:55	22:55	E	X	085	Trilling	MIRSI/MOC		MSC	
	22:55	23:25	E				---	inst. change		
	23:25	03:25	E	X	002	Humes	SpeX/MORIS		ACB	
Jul. 28 Th	03:25	04:55	E	X	048	Tate	SpeX		ACB	Io eclipse
	04:55	06:15	E		999	Engineering	TBD		SJB	
	06:15	06:25	E				---	facility close		
Jul. 28 Th	18:25	18:55	E,C,M,M				---	facility open		
	18:55	00:45	E,C,M,MX		032	Emery	SpeX/MORIS		ACB	
Jul. 29 Fr	00:45	01:30	E	X	087	Corlies	SpeX		ACB	Service Obs.

	01:30	05:30	E	X	024	Cartwright	SpeX	ACB	
	05:30	06:15	E	X	048	Tate	SpeX	ACB	Service Obs.
	06:15	06:25	E			---	facility close		
Jul. 29 Fr	18:25	18:55	C,M,M			---	facility open		
	18:55	03:00	C,M,M	X	032	Emery	SpeX/MORIS	ACB	
Jul. 30 Sa	03:00	05:30	C,M,M	X	002	Humes	SpeX/MORIS	ACB	
	05:30	06:15	C,M,M	X	048	Tate	SpeX	ACB	Service Obs.
	06:15	06:25	C,M,M			---	facility close		
Jul. 30 Sa	18:25	18:55	C,M,M			---	facility open		
	18:55	19:25	C,M,M			---	inst. change		
	19:25	01:30	C,M,M	X	981	Funakoshi	iSHELL	SJB	
Jul. 31 Su	01:30	02:00	C,M,M			---	inst. change		
	02:00	02:45	C,M,M	X	087	Corlies	SpeX	ACB	Service Obs.
	02:45	06:15	C,M,M	X	004	Woodward	SpeX/MORIS	ACB	
	06:15	06:25	C,M,M			---	facility close		
Jul. 31 Su	18:25	18:55	C,M,M,G			---	facility open		
	18:55	23:15	C,M,M,GX		049	Delbo	SpeX/MORIS	ACB	
	23:15	06:15	C,M,M,GX		081	Takir	SpeX/MORIS	ACB	

**Observer List****July, 2022**

- 001 Leslie Young, William Grundy, Bryan Holler, Eliot Young, Glenn Orton  
002 Oriel Humes, Cristina Thomas  
004 Chick Woodward  
008 Allison McGraw, Vishnu Reddy, Juan Sanchez  
009 Therese Encrenaz, Thomas Greathouse, Rohini Giles, Emmanuel Marcq, Thomas Widemann, Hideo Sagawa, Bruno Bezar, Thierry Fouchet  
014 Constantine Tsang, John Spencer  
015 Eunkyun Han  
019 Glenn Orton, Thomas Momary, Emma Dahl, Kevin Baines, Xi Zhang, Arrate Antunano, Leigh Fletcher, Michael H. Wong, Patrick Irwin, Tommy Greathouse, Rohini Giles, Davide Grassi  
021 Steven Willner, Mark Gurwell, Joseph Hora, Sera Markoff, Joseph Neilsen, Giovanni Fazio, Daryl Haggard, Michael Nowak, Howard Smith  
022 Arrate Antunano, Leigh N. Fletcher, Thomas Greathouse, Glenn S Orton, Rohini Giles, Henrik Melin, Padraig T. Donnelly, James A. Sinclair, Michael T. Roman, James Blake, Jake Harkett  
024 Richard Cartwright, Tom Nordheim, Kevin Hand, Joshua Emery, Joe Roser, Chloe Beddingfield  
028 Sara Faggi, Giuliano Liuzzi, Shohei Aoki, Geronimo Villanueva, Michael Mumma, Hideo Sagawa  
030 Jason Hinkle, Benjamin Shappee, Christopher Ashall, Anna Payne  
032 Joshua Emery, Devon Burr, Lucas McClure, Julia de Leon, Cristina Thomas, Andy Rivkin, Kevin Walsh  
035 Glenn Orton, Joseph Hora, James Sinclair, Arrate Antunano, Leigh Fletcher, Tom Momary, Shawn Brueshaber, Emma Dahl, Henrik Melin, Rohini Giles, Thomas Greathouse  
039 Guido Fuchs, Eileen Doering, Thomas Giesen, Thomas Greathouse, John Lacy  
044 Kate Su, George Rieke, Michael Sitko, Taran Esplin  
047 Benjamin Rackham, Adam Burgasser, Elisabeth Newton, Julien de Wit, Daniel Sebastian  
048 Christian Tate, Madeline Pettine, Julie Rathbun, Alexander Hayes  
049 Marco Delbo, Jules Bourdelle de Micas, Chrysa Avdellidou, Paolo Tanga, Sonia Fornasier, Laurent Galluccio, Alberto Cellino  
054 James Blake, Leigh Fletcher, Thomas Greathouse, Glenn Orton, Jack Harkett, Henrik Melin, Mike Roman, Arrate Antunano, Naomi Rowe-Gurney, Padraig Donnelly, Oliver King  
056 Belinda Damian, Jessy Jose, Swagat Das, Mizna K A  
057 Andrea Banzatti, Sean Brittain, Kirsten Abernathy, Josh Kern, Adwin Boogert, Rocio Sigler, Janus Kozdon, Jose Perez, John Rayner  
061 James Sinclair, Thomas Greathouse, Rohini Giles, Glenn Orton, Arrate Antunano, Leigh Fletcher, Patrick Irwin  
066 Kishalay De, Roberto Soria, Ryan Lau, Viraj Karambelkar, Mansi Kasliwal  
072 Silvia Protopapa, Michael S.P. Kelley, Bin Yang  
077 Christopher Theissen, Daniella Bardalez Gagliuffi, Elisabeth Newton, Adam Burgasser, Jacqueline Faherty, Jonathan Gagne, Phil Muirhead, Eileen Gonzales, Andrew Mann, Chih-Chun Hsu, Christian Aganze  
078 Will Fischer, Tracy Beck, James Muzerolle  
080 Jonathan Williams, Christian Flores, Antonella Natta, Carlo Manara, Maria Koutoulaki, Leonardo Testi  
081 Driss Takir, Richard Cartwright, Vishnu Reddy  
085 David Trilling, Andy Lopez Oquendo, Joseph Hora, Howard Smith  
087 Paul Corlies, Alexander Hayes, Mate Adamkovics, Sebastien Rodriguez, Elizabeth Turtle, Jason Soderblom, Alejandro Soto, Patricio Rojo, Jonathan Mitchell, Juan Lora, Jonathan Lunine  
097 Rena Lee, Eric Gaidos

<b>HST Date</b>	<b>HST Time</b>	<b>TO</b>	<b>Remote</b>	<b>Prog &amp; PI</b>	<b>Instr</b>	<b>SA</b>	<b>Comments</b>
Aug. 1 Mo	06:15	06:25	C,M,M		---		facility close

**Observer List**

# August, 2022

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. If you have any questions regarding the schedule or corrections, please email Bobby Bus at the following address: [sjb@ifa.hawaii.edu](mailto:sjb@ifa.hawaii.edu)

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 IRTF Director 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 "First 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 one month in advance of your run. Please note that IRTF facility instrumentation is provided as documented on our web site (<http://irtfweb.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 with valid driver's license. 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 Darryl Watanabe, the IRTF Observatory Manager.

SA (Support Astronomer)  
ACB = Adwin Boogert  
MSC = Michael Connelley  
SJB = Bobby Bus  
JTR = John Rayner