

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Aug. 1 Th	18:25 18:55	G		---	facility open		
	18:55 19:55	G	X	018 Orton	SpeX	SJB	
	19:55 20:25	G	X	049 Rathbun	SpeX	SJB	Service Obs.
	20:25 21:15	G	X	108 Trumbo	SpeX	SJB	
	21:15 06:15	G		999 Engineering	TBD	SJB	
Aug. 2 Fr	06:15 06:25	G		---	facility close		
Aug. 2 Fr	18:25 18:55	G,E		---	facility open		
	18:55 19:35	G,E	X	049 Rathbun	SpeX	SJB	Service Obs.
	19:35 20:35	G,E	X	018 Orton	SpeX	SJB	
	20:35 21:25	G,E	X	108 Trumbo	SpeX	SJB	
	21:25 22:10	G,E	X	059 Corlies	SpeX	SJB	Service Obs.
	22:10 23:40	G,E	X	049 Rathbun	SpeX	SJB	Occultation
	23:40 00:10	G,E		---	inst. change		
Aug. 3 Sa	00:10 06:15	G		999 Engineering	MIRSI/MOC	SJB	
	06:15 06:25	G		---	facility close		
Aug. 3 Sa	18:25 18:55	E		---	facility open		
	18:55 19:25	E		---	inst. change		
	19:25 06:15	E	X	102 Neufeld	iSHELL	ACB	
Aug. 4 Su	06:15 06:25	E		---	facility close		
Aug. 4 Su	18:25 18:55	E		---	facility open		
	18:55 00:35	E	X	102 Neufeld	iSHELL	ACB	
Aug. 5 Mo	00:35 06:15	E		072 Shkolnik	iSHELL	ACB	
	06:15 06:25	E		---	facility close		
	10:00 16:00			---	inst. change		
Aug. 5 Mo	18:25 18:55	E,C		---	facility open		
	18:55 19:40	E,C	X	049 Rathbun	SpeX	SJB	Service Obs.
	19:40 20:30	E,C	X	108 Trumbo	SpeX	SJB	
	20:30 21:15	E,C	X	059 Corlies	SpeX	SJB	Service Obs.
	21:15 23:15	E,C	X	003 Landt	SpeX	SJB	
	23:15 23:45	E,C		---	inst. change		
	23:45 06:15	E		999 Engineering	MIRSI/MOC	SJB	
Aug. 6 Tu	06:15 06:25	E		---	facility close		
	10:00 16:00			---	inst. change		
Aug. 6 Tu	18:25 18:55	C		---	facility open		
	18:55 22:55	C	X	113 Boogert	iSHELL	ACB	
	22:55 23:40	C		099 Goto	iSHELL	ACB	
	23:40 06:15	C		072 Shkolnik	iSHELL	ACB	
Aug. 7 We	06:15 06:25	C		---	facility close		
	10:00 16:00			---	inst. change		
Aug. 7 We	18:25 18:55	C		---	facility open		
	18:55 22:00	C	X	033 Sickafoose	SpeX/MORIS	SJB	Occultation
	22:00 22:30	C	X	049 Rathbun	SpeX	SJB	Service Obs.

	22:30	23:20	C	X	059	Corlies	SpeX	SJB	Service Obs.
	23:20	06:15	C	X	055	Warren	SpeX	MSC	First Night
Aug. 8 Th	06:15	06:25	C			---	facility close		
	10:00	16:00				---	inst. change		
Aug. 8 Th	18:25	18:55	C,G			---	facility open		
	18:55	06:15	C,G	X	080	Grant	iSHELL	SJB	First Night
Aug. 9 Fr	06:15	06:25	C			---	facility close		
	10:00	16:00				---	inst. change		
Aug. 9 Fr	16:20	16:50	G			---	facility open		
	16:50	18:50	G		999	Engineering	TEXES	SJB	
	18:50	22:50	G		044	Fouchet	TEXES	SJB	
	22:50	01:40	G		999	Engineering	TEXES	SJB	
Aug. 10 Sa	01:40	04:10	G		020	Soam	TEXES	SJB	
	04:10	04:20	G			---	facility close		
Aug. 10 Sa	16:20	16:50	G			---	facility open		
	16:50	22:50	G		022	Greathouse	TEXES	SJB	
	22:50	01:00	G		999	Engineering	TEXES	SJB	
Aug. 11 Su	01:00	01:40	G		035	Harper	TEXES	SJB	
	01:40	04:10	G		020	Soam	TEXES	SJB	
	04:10	04:20	G			---	facility close		
Aug. 11 Su	16:20	16:50	G,O			---	facility open		
	16:50	22:50	G,O		022	Greathouse	TEXES	SJB	
	22:50	00:50	G		045	Blake	TEXES	SJB	
Aug. 12 Mo	00:50	04:10	G		035	Harper	TEXES	SJB	
	04:10	04:20	G			---	facility close		
Aug. 12 Mo	16:20	16:50	O			---	facility open		
	16:50	22:50	O		031	Antunano	TEXES	SJB	
	22:50	00:50	O		045	Blake	TEXES	SJB	
Aug. 13 Tu	00:50	04:10	O		035	Harper	TEXES	SJB	
	04:10	11:30	M		034	Fuchs	TEXES	SJB	Daylight Obs
	11:30	11:40	M			---	facility close		
Aug. 13 Tu	16:20	16:50	O			---	facility open		
	16:50	22:50	O		031	Antunano	TEXES	SJB	
	22:50	00:50	O		045	Blake	TEXES	SJB	
Aug. 14 We	00:50	04:10	O		035	Harper	TEXES	SJB	
	04:10	04:20	O			---	facility close		
Aug. 14 We	16:20	16:50	O,M			---	facility open		
	16:50	23:20	O,M		004	Tsang	TEXES	SJB	
	23:20	00:50	O		045	Blake	TEXES	SJB	
Aug. 15 Th	00:50	04:10	O		035	Harper	TEXES	SJB	
	04:10	04:20	O			---	facility close		
Aug. 15 Th	16:00	16:30	M			---	facility open		

	16:30	23:00	M		004	Tsang	TEXES		SJB
	23:00	00:30	M		045	Blake	TEXES		SJB
Aug. 16 Fr	00:30	03:50	M		035	Harper	TEXES		SJB
	03:50	04:00	M			---	facility close		
Aug. 16 Fr	16:00	16:30	M			---	facility open		
	16:30	21:30	M		090	Sinclair	TEXES		SJB
	21:30	23:00	M		004	Tsang	TEXES		SJB
	23:00	00:30	M		045	Blake	TEXES		SJB
Aug. 17 Sa	00:30	03:50	M		035	Harper	TEXES		SJB
	03:50	04:00	M			---	facility close		
Aug. 17 Sa	16:00	16:30	M,G			---	facility open		
	16:30	21:30	M,G		090	Sinclair	TEXES		SJB
	21:30	23:00	M,G		004	Tsang	TEXES		SJB
	23:00	00:30	M		045	Blake	TEXES		SJB
Aug. 18 Su	00:30	03:50	M		035	Harper	TEXES		SJB
	03:50	04:00	M			---	facility close		
Aug. 18 Su	16:00	16:30	G			---	facility open		
	16:30	22:30	G		022	Greathouse	TEXES		SJB
	22:30	23:59	G		045	Blake	TEXES		SJB
	23:59	03:50	G		999	Engineering	TEXES		SJB
Aug. 19 Mo	03:50	04:00	G			---	facility close		
Aug. 19 Mo	16:00	16:30	G			---	facility open		
	16:30	22:30	G		022	Greathouse	TEXES		SJB
	22:30	23:59	G		045	Blake	TEXES		SJB
	23:59	03:50	G		999	Engineering	TEXES		SJB
Aug. 20 Tu	03:50	04:00	G			---	facility close		
	10:00	16:00				---	inst. change		
Aug. 20 Tu	18:25	18:55	G,E			---	facility open		
	18:55	23:25	G,E	X	065	Sullivan	iSHELL		ACB First Night
	23:25	06:15	G		024	Vacca	iSHELL		ACB
Aug. 21 We	06:15	06:25	G			---	facility close		
Aug. 21 We	18:25	18:55	E			---	facility open		
	18:55	23:25	E	X	065	Sullivan	iSHELL		ACB
	23:25	06:15	E		024	Vacca	iSHELL		ACB
Aug. 22 Th	06:15	06:25	E			---	facility close		
Aug. 22 Th	18:25	18:55	E			---	facility open		
	18:55	23:25	E	X	065	Sullivan	iSHELL		ACB
	23:25	06:15	E		024	Vacca	iSHELL		ACB
Aug. 23 Fr	06:15	06:25	E			---	facility close		
Aug. 23 Fr	18:25	18:55	E,C,W			---	facility open		
	18:55	23:25	E,C,W	X	065	Sullivan	iSHELL		ACB
	23:25	06:15	E		024	Vacca	iSHELL		ACB

Aug. 24 Sa	06:15	06:25	E						---	facility close
Aug. 24 Sa	18:25	18:55	C,W						---	facility open
	18:55	02:55	C,W		110	Smith	iSHELL		ACB	First Night
Aug. 25 Su	02:55	05:45	C,W	X	079	Flores	iSHELL		MSC	
	05:45	06:15	C,W						---	inst. change
	06:15	06:25	C,W						---	facility close
Aug. 25 Su	18:25	18:55	C,W						---	facility open
	18:55	19:40	C,W	X	049	Rathbun	SpeX		SJB	Service Obs.
	19:40	20:25	C,W	X	059	Corlies	SpeX		SJB	Service Obs.
	20:25	22:25	C,W	X	003	Landt	SpeX		SJB	
	22:25	00:25	C,W	X	109	Thomas	SpeX/MORIS		SJB	
Aug. 26 Mo	00:25	06:15	C,W	X	062	Howell	SpeX		SJB	
	06:15	06:25	C,W						---	facility close
Aug. 26 Mo	18:25	18:55	C,W,G,M						---	facility open
	18:55	20:00	C,W,G,MX		108	Trumbo	SpeX		SJB	
	20:00	23:00	C,W,G,MX		068	Holler	SpeX		SJB	
	23:00	06:15	C,W	X	052	Young	SpeX		SJB	
Aug. 27 Tu	06:15	06:25	C,W						---	facility close
Aug. 27 Tu	16:10	16:40	G,M						---	facility open
	16:40	18:10	G,M	X	049	Rathbun	SpeX		SJB	Occultation
	18:10	19:10	G,M	X	018	Orton	SpeX		SJB	
	19:10	20:00	G,M	X	108	Trumbo	SpeX		SJB	
	20:00	23:00	G,M	X	068	Holler	SpeX		SJB	
	23:00	04:00	G,M	X	052	Young	SpeX		SJB	
Aug. 28 We	04:00	04:10	G,M						---	facility close
Aug. 28 We	17:40	18:10	G,M						---	facility open
	18:10	19:10	G,M	X	018	Orton	SpeX		SJB	
	19:10	20:00	G,M	X	108	Trumbo	SpeX		SJB	
	20:00	23:00	G,M	X	068	Holler	SpeX		SJB	
	23:00	05:30	G,M	X	052	Young	SpeX		SJB	
Aug. 29 Th	05:30	05:40	G,M						---	facility close
Aug. 29 Th	18:25	18:55	G,M,E						---	facility open
	18:55	20:00	G,M,E	X	108	Trumbo	SpeX		SJB	
	20:00	23:00	G,M,E	X	068	Holler	SpeX		SJB	
	23:00	06:15	G,M	X	052	Young	SpeX		SJB	
Aug. 30 Fr	06:15	06:25	G,M						---	facility close
Aug. 30 Fr	18:25	18:55	E						---	facility open
	18:55	20:00	E	X	108	Trumbo	SpeX		SJB	
	20:00	23:00	E	X	068	Holler	SpeX		SJB	
	23:00	06:15	E	X	052	Young	SpeX		SJB	
Aug. 31 Sa	06:15	06:25	E						---	facility close
Aug. 31 Sa	18:25	18:55	E						---	facility open

18:55	20:00	E	X	108	Trumbo	SpeX	SJB
20:00	23:00	E	X	068	Holler	SpeX	SJB
23:00	06:15	E	X	052	Young	SpeX	SJB

Observer List**August, 2019**

003 Hermine Landt, Martin Ward, Jake Mitchell, Chris Packham, Gary Ferland, Keith Horne, Brad Peterson, Joerg-Uwe Pott, Andy Lawrence, Thaisa Storchi-Bergmann

004 Constantine Tsang, John Spencer, Thomas Greathouse

018 Glenn Orton, Thomas Momary, Kevin Baines, Arrate Antunano, Leigh Fletcher, James Sinclair, Patrick Irwin, Rohini Giles, Thomas Greathouse

020 Archana Soam, B-G Andersson, John H Lacy, Thomas Greathouse, Matthew Richter, Curtis Noel Dewitt, Thiem Hoang

022 Thomas Greathouse, Glenn Orton, Leigh Fletcher, Rohini Giles, Richard Cosentino, Thierry Fouchet, Therese Encrenaz, Raul Morales-Juberias

024 William Vacca, Christian Flores, Franco Leone

031 Arrate Antunano, Leigh Fletcher, Thomas Greathouse, Glenn Orton, Henrik Melin, James Sinclair, Pdraig Donnelly, Rohini Giles, Michael Roman, James Blake, Naomi Rowe-Gurney, Oliver King

033 Amanda Sickafoose, Carlos Zuluaga, Amanda Bosh, Stephen Levine, Michael Person

034 Guido W. Fuchs, Thomas F. Giesen, Bhaswati Mookerjee, Daniel Witsch, John H. Lacy, Alexander A. Breier, Thomas Greathouse

035 Graham Harper, Matthew Richter, Thomas Greathouse, Edward Guinan, Edward Montiel, Anita Richards

044 Thierry Fouchet, Tommy Greathouse, Bruno Bezaud, Vincent Hue

045 James Blake, Leigh Fletcher, Thomas Greathouse, Glenn Orton, James Sinclair, Henrik Melin, Mike Roman, Arrate Antunano, Naomi Rowe-Gurney, Pdraig Donnelly, Oliver King

049 Julie Rathbun, Christian Tate, Paul Corlies, Alexander Hayes, John Spencer

052 Leslie Young, William Grundy, Bryan Holler, Eliot Young

055 Stephen Warren, Richard Laithwaite

059 Paul Corlies, Alexander Hayes, Patricio Rojo, Mate Adamkovic, Elizabeth Turtle, Sebastien Rodriguez, Jonathan Mitchell, Jonathan Lunine, Juan Lora

062 Ellen Howell, Ronald Vervack, Yan Fernandez, Mary Hinkle

065 Kendall Sullivan, Lisa Prato, Joe Llama

068 Bryan Holler, Leslie Young, Will Grundy, Cathy Olkin, Silvia Protopapa, Maya Yanez

072 Evgenya Shkolnik, Joe Llama, Tyler Richey-Yowell

079 Christian Flores, Michae Connelley

080 Sierra Grant, Catherine Espaillat, Sean Brittain

090 James Sinclair, Thomas Greathouse, Rohini Giles, Glenn Orton, Leigh Fletcher

099 Miwa Goto, Olli Sipilae, Jorma Harju, Paola Caselli

102 David Neufeld, Tom Geballe, Miwa Goto, Rolf Guesten, Karl Menten

108 Samantha Trumbo, Michael Brown, Katherine de Kleer, Danica Adams

109 Cristina Thomas, Joshua Emery, Lauren McGraw, Andrew Rivkin

110 Rachel Smith, Adwin Boogert

113 Adwin Boogert, Karl Kaess, Matt Richter

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Sep. 1 Su	06:15 06:25	E			---		facility close
Sep. 1 Su	18:15 18:45	E,C,O			---		facility open
	18:45 19:30	E,C,O	X	049 Rathbun	SpeX	MSC	Service Obs.
	19:30 20:15	E,C,O	X	059 Corlies	SpeX	MSC	Service Obs.
	20:15 22:15	E,C,O	X	003 Landt	SpeX	MSC	
	22:15 06:15	E	X	052 Young	SpeX	MSC	
Sep. 2 Mo	06:05 06:15	E			---		facility close
Sep. 2 Mo	18:15 18:45	C,O			---		facility open
	18:45 22:15	C,O	X	040 Bus	SpeX/MORIS	SJB	
	22:15 03:45	C,O	X	109 Thomas	SpeX/MORIS	MSC	
Sep. 3 Tu	03:45 06:05	C,O	X	011 Reddy	SpeX/MORIS	MSC	
	06:05 06:15	C,O			---		facility close
Sep. 3 Tu	18:05 18:35	C,O			---		facility open
	18:35 20:05	C,O	X	049 Rathbun	SpeX	SJB	Occultation
	20:05 00:05	C,O	X	033 Sickafoose	SpeX/MORIS	SJB	Occultation
Sep. 4 We	00:05 05:55	C,O	X	062 Howell	SpeX	SJB	
	05:55 06:05	C,O			---		facility close
	10:00 16:00				---		inst. change
Sep. 4 We	18:15 18:45	C,O,G			---		facility open
	18:45 03:00	C,O,G	X	102 Neufeld	iSHELL	SJB	
Sep. 5 Th	03:00 06:05	C,O	X	079 Flores	iSHELL	MSC	
	06:05 06:15	C,O			---		facility close
Sep. 5 Th	18:15 18:45	G			---		facility open
	18:45 03:00	G	X	102 Neufeld	iSHELL	SJB	
Sep. 6 Fr	03:00 06:05	G	X	079 Flores	iSHELL	MSC	
	06:05 06:15	G			---		facility close
	10:00 16:00				---		inst. change
Sep. 6 Fr	18:15 18:45	G			---		facility open
	18:45 22:45	G	X	048 Orton	SpeX	SJB	
	22:45 06:05	G	X	005 Woodward	SpeX	SJB	
Sep. 7 Sa	06:05 06:15	G			---		facility close
Sep. 7 Sa	18:15 18:45	G,E			---		facility open
	18:45 22:45	G,E	X	048 Orton	SpeX	SJB	
	22:45 05:35	G,E	X	005 Woodward	SpeX	SJB	
Sep. 8 Su	05:35 06:05	G			---		inst. change
	06:05 06:15	G			---		facility close
Sep. 8 Su	18:15 18:45	E			---		facility open
	18:45 23:15	E		099 Goto	iSHELL	MSC	
	23:15 01:15	E	X	093 Plavchan	iSHELL	MSC	
Sep. 9 Mo	01:15 01:45	E			---		inst. change
	01:45 06:05	E	X	033 Sickafoose	SpeX/MORIS	SJB	Occultation
	06:05 06:15	E			---		facility close

Sep. 9 Mo	14:15	14:45	M				---	facility open		
	14:45	20:30	M,E	X	018	Orton	SpeX		MSC	Daylight Obs
	20:30	21:15	E	X	059	Corlies	SpeX		MSC	Service Obs.
	21:15	23:15	E	X	003	Landt	SpeX		MSC	
	23:15	06:05	E	X	011	Reddy	SpeX/MORIS		MSC	
Sep. 10 Tu	06:05	06:15	E				---	facility close		
Sep. 10 Tu	14:15	14:45	M				---	facility open		
	14:45	20:30	M,E,C,WX		018	Orton	SpeX		MSC	Daylight Obs
	20:30	22:00	E,C,W	X	049	Rathbun	SpeX		MSC	Occultation
	22:00	04:00	E,C,W	X	062	Howell	SpeX		MSC	
Sep. 11 We	04:00	04:30	E				---	inst. change		
	04:30	06:05	E	X	051	Plavchan	iSHELL		ACB	
	06:05	06:15	E				---	facility close		
Sep. 11 We	18:15	18:45	C,W				---	facility open		
	18:45	23:15	C,W		099	Goto	iSHELL		ACB	
	23:15	01:15	C,W	X	093	Plavchan	iSHELL		ACB	
Sep. 12 Th	01:15	04:35	C,W	X	047	Cale	iSHELL		ACB	
	04:35	06:05	C,W	X	051	Plavchan	iSHELL		ACB	
	06:05	06:15	C,W				---	facility close		
Sep. 12 Th	17:45	18:15	C,W				---	facility open		
	18:15	23:55	C,W	X	007	Bjoraker	iSHELL		ACB	
	23:55	01:55	C,W	X	093	Plavchan	iSHELL		ACB	
Sep. 13 Fr	01:55	04:05	C,W	X	047	Cale	iSHELL		ACB	
	04:05	05:35	C,W	X	051	Plavchan	iSHELL		ACB	
	05:35	05:45	C,W				---	facility close		
Sep. 13 Fr	17:45	18:15	C,W,G,M				---	facility open		
	18:15	23:55	C,W,G,MX		007	Bjoraker	iSHELL		ACB	
	23:55	01:55	C,W	X	093	Plavchan	iSHELL		ACB	
Sep. 14 Sa	01:55	04:05	C,W	X	047	Cale	iSHELL		ACB	
	04:05	05:35	C,W	X	051	Plavchan	iSHELL		ACB	
	05:35	05:45	C,W				---	facility close		
Sep. 14 Sa	18:15	18:45	G,M				---	facility open		
	18:45	00:25	G,M	X	016	Dinerstein	iSHELL		MSC	
Sep. 15 Su	00:25	02:25	G,M	X	093	Plavchan	iSHELL		ACB	
	02:25	04:35	G,M	X	047	Cale	iSHELL		ACB	
	04:35	06:05	G,M	X	051	Plavchan	iSHELL		ACB	
	06:05	06:15	G,M				---	facility close		
Sep. 15 Su	18:15	18:45	G,M				---	facility open		
	18:45	00:25	G,M	X	016	Dinerstein	iSHELL		MSC	
Sep. 16 Mo	00:25	02:25	G,M	X	093	Plavchan	iSHELL		ACB	
	02:25	04:35	G,M	X	047	Cale	iSHELL		ACB	
	04:35	06:05	G,M	X	051	Plavchan	iSHELL		ACB	

	06:05	06:15	G,M				---	facility close		
Sep. 16 Mo	18:15	18:45	G,M,E				---	facility open		
	18:45	00:25	G,M,E	X	016	Dinerstein	iSHELL		MSC	
Sep. 17 Tu	00:25	02:25	G,M	X	093	Plavchan	iSHELL		ACB	
	02:25	04:35	G,M	X	047	Cale	iSHELL		ACB	
	04:35	06:05	G,M	X	051	Plavchan	iSHELL		ACB	
	06:05	06:15	G,M				---	facility close		
	10:00	16:00					---	inst. change		
Sep. 17 Tu	18:15	18:45	E				---	facility open		
	18:45	06:05	E	X	010	Gagliuffi	SpeX		MSC	
Sep. 18 We	06:05	06:15	E				---	facility close		
Sep. 18 We	18:15	18:45	E				---	facility open		
	18:45	19:45	E	X	018	Orton	SpeX		MSC	
	19:45	20:30	E	X	059	Corlies	SpeX		MSC	Service Obs.
	20:30	22:30	E	X	003	Landt	SpeX		MSC	
	22:30	03:30	E	X	062	Howell	SpeX		MSC	
Sep. 19 Th	03:30	06:05	E	X	994	Yang	SpeX/MORIS		SJB	
	06:05	06:15	E				---	facility close		
Sep. 19 Th	16:25	16:55	E,C,W				---	facility open		
	16:55	18:25	E,C,W	X	049	Rathbun	SpeX		MSC	Occultation
	18:25	19:25	E,C,W	X	018	Orton	SpeX		MSC	
	19:25	23:30	E,C,W	X	087	Shahbandeh	SpeX/MORIS		MSC	
	23:30	01:30	E	X	109	Thomas	SpeX/MORIS		MSC	
Sep. 20 Fr	01:30	04:15	E	X	087	Shahbandeh	SpeX/MORIS		MSC	
	04:15	04:25	E				---	facility close		
Sep. 20 Fr	18:15	18:45	C,W				---	facility open		
	18:45	19:45	C,W	X	018	Orton	SpeX		MSC	
	19:45	20:15	C,W	X	049	Rathbun	SpeX		MSC	Service Obs.
	20:15	21:00	C,W	X	059	Corlies	SpeX		MSC	Service Obs.
	21:00	03:00	C,W	X	058	McGraw	SpeX/MORIS		MSC	
Sep. 21 Sa	03:00	06:05	C,W	X	994	Yang	SpeX/MORIS		SJB	
	06:05	06:15	C,W				---	facility close		
Sep. 21 Sa	18:15	18:45	C,W				---	facility open		
	18:45	19:15	C,W				---	inst. change		
	19:15	06:05	C,W	X	081	Faggi	iSHELL		MSC	
Sep. 22 Su	06:05	06:15	C,W				---	facility close		
Sep. 22 Su	18:15	18:45	C,W,G,O				---	facility open		
	18:45	06:05	C,W,G,OX		072	Shkolnik	iSHELL		ACB	
Sep. 23 Mo	06:05	06:15	C,W				---	facility close		
Sep. 23 Mo	18:15	18:45	G,O				---	facility open		
	18:45	06:05	G,O	X	072	Shkolnik	iSHELL		ACB	
Sep. 24 Tu	06:05	06:15	G,O				---	facility close		

	10:00	16:00								--- inst. change
Sep. 24 Tu	18:15	18:45	G,O							--- facility open
	18:45	19:30	G,O	X	049	Rathbun	SpeX		SJB	Service Obs.
	19:30	20:15	G,O	X	059	Corlies	SpeX		SJB	Service Obs.
	20:15	06:05	G,O	X	109	Thomas	SpeX/MORIS		SJB	
Sep. 25 We	06:05	06:15	G,O							--- facility close
Sep. 25 We	18:15	18:45	G,O,E							--- facility open
	18:45	20:45	G,O,E	X	003	Landt	SpeX		SJB	
	20:45	23:30	G,O,E	X	040	Bus	SpeX/MORIS		SJB	
	23:30	01:30	G,O	X	109	Thomas	SpeX/MORIS		SJB	
Sep. 26 Th	01:30	06:05	G,O	X	040	Bus	SpeX/MORIS		SJB	
	06:05	06:15	G,O							--- facility close
Sep. 26 Th	18:15	18:45	E							--- facility open
	18:45	20:20	E	X	049	Rathbun	SpeX		SJB	Occultation
	20:20	21:05	E	X	059	Corlies	SpeX		SJB	Service Obs.
	21:05	06:05	E	X	074	Avdellidou	SpeX/MORIS		SJB	
Sep. 27 Fr	06:05	06:15	E							--- facility close
Sep. 27 Fr	18:15	18:45	E							--- facility open
	18:45	22:00	E	X	011	Reddy	SpeX/MORIS		SJB	
	22:00	03:00	E	X	062	Howell	SpeX		SJB	
Sep. 28 Sa	03:00	06:05	E	X	040	Bus	SpeX/MORIS		SJB	
	06:05	06:15	E							--- facility close
Sep. 28 Sa	18:15	18:45	E,C							--- facility open
	18:45	21:35	E,C	X	101	Lisse	SpeX/MORIS		MSC	
	21:35	03:15	E,C	X	104	Lisse	SpeX/MORIS		MSC	
Sep. 29 Su	03:15	06:05	E	X	105	Lisse	SpeX/MORIS		MSC	
	06:05	06:15	E							--- facility close
Sep. 29 Su	18:15	18:45	C							--- facility open
	18:45	00:25	C	X	011	Reddy	SpeX/MORIS		MSC	
Sep. 30 Mo	00:25	06:05	C	X	089	Reipurth	SpeX		MSC	
	06:05	06:15	C							--- facility close
Sep. 30 Mo	18:15	18:45	C							--- facility open
	18:45	20:45	C	X	003	Landt	SpeX		MSC	
	20:45	00:25	C	X	011	Reddy	SpeX/MORIS		MSC	

Observer List**September, 2019**

- 003 Hermine Landt, Martin Ward, Jake Mitchell, Chris Packham, Gary Ferland, Keith Horne, Brad Peterson, Joerg-Uwe Pott, Andy Lawrence, Thaisa Storchi-Bergmann
- 005 Chick Woodward, Michael S.P. Kelley, David Harker, Diane Wooden
- 007 Gordon BJORAKER, Michael H. Wong, Tilak Hewagama, Charles Goullaud, Glenn Orton
- 010 Daniella Bardalez Gagliuffi, Christopher Theissen, Quinn Konopacky, Adam Burgasser
- 011 Vishnu Reddy, Juan Sanchez
- 016 Harriet Dinerstein, Nicholas Sterling, William Vacca
- 018 Glenn Orton, Thomas Momary, Kevin Baines, Arrate Antunano, Leigh Fletcher, James Sinclair, Patrick Irwin, Rohini Giles, Thomas Greathouse
- 033 Amanda Sickafoose, Carlos Zuluaga, Amanda Bosh, Stephen Levine, Michael Person
- 040 Schelte J. Bus, Francesca DeMeo, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
- 047 Bryson Cale, Peter Plavchan, Angelle Tanner, Eric Gaidos, Johanna Teske, Jonathan Gagne
- 048 Glenn Orton, James Sinclair, Leigh Fletcher, Thomas Momary, James Blake, Arrate Antunano, Linda Spilker, Cecile Ferrari
- 049 Julie Rathbun, Christian Tate, Paul Corlies, Alexander Hayes, John Spencer
- 051 Peter Plavchan, Bryson Cale, Angelle Tanner, Jonathan Gagne
- 052 Leslie Young, William Grundy, Bryan Holler, Eliot Young
- 058 Lauren McGraw, Josh Emery, Cristina Thomas, Andy Rivkin
- 059 Paul Corlies, Alexander Hayes, Patricio Rojo, Mate Adamkovic, Elizabeth Turtle, Sebastien Rodriguez, Jonathan Mitchell, Jonathan Lunine, Juan Lora
- 062 Ellen Howell, Ronald Vervack, Yan Fernandez, Mary Hinkle
- 072 Evgenya Shkolnik, Joe Llama, Tyler Richey-Yowell
- 074 Chrysa Avdellidou, Marco Delbo, Sonia Fornasier, Kevin Walsh, Gerard Van Belle
- 079 Christian Flores, Michae Connelley
- 081 Sara Faggi, Michael J. Mumma, Geronimo Villanueva, Lucas Paganini, Manuela Lippi
- 087 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Howie Marion, Andy Howell, Peter Hoeflich, Max Stritzinger, Chris Ashall
- 089 Bo Reipurth, Michael S. Connelley
- 093 Peter Plavchan, Bryson Cale, Sharon Wang, Angelle Tanner, Johanna Teske, Claire Moutou, Ryan Cloutier, Elisabeth Newton
- 099 Miwa Goto, Olli Sipilae, Jorma Harju, Paola Caselli
- 101 Carey Lisse, Mike Sitko, Massimo Marengo, Miles Lucas
- 102 David Neufeld, Tom Geballe, Miwa Goto, Rolf Guesten, Karl Menten
- 104 Carey Lisse, Mike Sitko, Massimo Marengo, Stephen Kane, Steve Desch
- 105 Carey Lisse, Mike Sitko, Hans Moritz Gunther, Scott Wolk
- 109 Cristina Thomas, Joshua Emery, Lauren McGraw, Andrew Rivkin

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Oct. 1 Tu	00:25 06:05	C	X	089 Reipurth	SpeX	MSC	
	06:05 06:15	C		---	facility close		
	10:00 16:00			---	inst. change		
Oct. 1 Tu	18:05 18:35	C,G		---	facility open		
	18:45 02:55	C,G	X	081 Faggi	iSHELL	MSC	
Oct. 2 We	02:55 03:55	C	X	091 Graham	iSHELL	ACB	First Night
	03:55 05:55	C		999 Engineering	TBD	SJB	
	05:55 06:05	C		---	facility close		
	10:00 16:00			---	inst. change		
Oct. 2 We	18:05 18:35	G		---	facility open		
	18:35 19:20	G	X	049 Rathbun	SpeX	MSC	Service Obs.
	19:20 20:05	G	X	059 Corlies	SpeX	MSC	Service Obs.
	20:05 05:55	G	X	109 Thomas	SpeX/MORIS	MSC	
Oct. 3 Th	05:55 06:05	G		---	facility close		
	10:00 16:00			---	inst. change		
Oct. 3 Th	18:05 18:35	G		---	facility open		
	18:35 20:05	G	X	051 Plavchan	iSHELL	ACB	
	20:05 22:05	G	X	093 Plavchan	iSHELL	ACB	
	22:05 23:15	G	X	047 Cale	iSHELL	ACB	
	23:15 05:55	G		037 Melin	iSHELL	ACB	
Oct. 4 Fr	05:55 06:05	G		---	facility close		
Oct. 4 Fr	18:05 18:35	G,E		---	facility open		
	18:35 20:05	G,E	X	051 Plavchan	iSHELL	ACB	
	20:05 22:05	G,E	X	093 Plavchan	iSHELL	ACB	
	22:05 23:15	G,E	X	047 Cale	iSHELL	ACB	
	23:15 05:55	G		037 Melin	iSHELL	ACB	
Oct. 5 Sa	05:55 06:05	G		---	facility close		
Oct. 5 Sa	18:05 18:35	E		---	facility open		
	18:35 20:05	E	X	051 Plavchan	iSHELL	ACB	
	20:05 22:05	E	X	093 Plavchan	iSHELL	ACB	
	22:05 23:15	E	X	047 Cale	iSHELL	ACB	
	23:15 05:55	E		037 Melin	iSHELL	ACB	
Oct. 6 Su	05:55 06:05	E		---	facility close		
Oct. 6 Su	18:05 18:35	E		---	facility open		
	18:35 20:05	E	X	051 Plavchan	iSHELL	ACB	
	20:05 22:05	E	X	093 Plavchan	iSHELL	ACB	
	22:05 23:15	E	X	047 Cale	iSHELL	ACB	
	23:15 05:55	E		037 Melin	iSHELL	ACB	
Oct. 7 Mo	05:55 06:05	E		---	facility close		
Oct. 7 Mo	18:05 18:35	E,W		---	facility open		
	18:35 20:05	E,W	X	051 Plavchan	iSHELL	ACB	
	20:05 22:05	E,W	X	093 Plavchan	iSHELL	ACB	

	22:05	00:55	E,W	X	047	Cale	iSHELL	ACB	
Oct. 8 Tu	00:55	05:55	E	X	113	Boogert	iSHELL	ACB	
	05:55	06:05	E			---	facility close		
Oct. 8 Tu	18:05	18:35	W			---	facility open		
	18:35	20:05	W	X	051	Plavchan	iSHELL	ACB	
	20:05	21:00	W	X	093	Plavchan	iSHELL	ACB	
	21:00	21:30	W			---	inst. change		
	21:30	23:30	W	X	109	Thomas	SpeX/MORIS	SJB	
	23:30	03:30	W	X	033	Sickafoose	SpeX/MORIS	SJB	Occultation
Oct. 9 We	03:30	05:55	W		999	Engineering	TBD	SJB	
	05:55	06:05	W			---	facility close		
	10:00	16:00				---	inst. change		
Oct. 9 We	18:05	18:35	W			---	facility open		
	18:35	20:05	W	X	051	Plavchan	iSHELL	ACB	
	20:05	22:05	W	X	093	Plavchan	iSHELL	ACB	
	22:05	02:25	W	X	047	Cale	iSHELL	ACB	
Oct. 10 Th	02:25	02:55	W			---	inst. change		
	02:55	05:55	W	X	062	Howell	SpeX	SJB	
	05:55	06:05	W			---	facility close		
	10:00	16:00				---	inst. change		
Oct. 10 Th	18:05	18:35	W,G,O			---	facility open		
	18:35	20:05	W,G,O	X	051	Plavchan	iSHELL	ACB	
	20:05	22:05	W,G,O	X	093	Plavchan	iSHELL	ACB	
	22:05	00:55	W,G,O	X	047	Cale	iSHELL	ACB	
Oct. 11 Fr	00:55	05:55	W	X	113	Boogert	iSHELL	ACB	
	05:55	06:05	W			---	facility close		
	10:00	16:00				---	inst. change		
Oct. 11 Fr	18:05	18:35	G,O			---	facility open		
	18:35	23:15	G,O	X	112	Shimonishi	SpeX	MSC	
	23:15	23:45	G,O			---	inst. change		
	23:45	05:25	G,O	X	111	Ward-Duong	iSHELL	MSC	First Night
Oct. 12 Sa	05:25	05:55	G,O			---	inst. change		
	05:55	06:05	G,O			---	facility close		
Oct. 12 Sa	16:45	17:15	O			---	facility open		
	17:15	18:45	O	X	049	Rathbun	SpeX	MSC	Occultation
	18:45	23:15	O	X	112	Shimonishi	SpeX	MSC	
	23:15	23:45	O			---	inst. change		
	23:45	04:35	O	X	111	Ward-Duong	iSHELL	MSC	
Oct. 13 Su	04:35	04:45	O			---	facility close		
Oct. 13 Su	18:05	18:35	O,E			---	facility open		
	18:35	05:55	O,E	X	092	Burgasser	iSHELL	MSC	
Oct. 14 Mo	05:55	06:05	O			---	facility close		

	10:00	16:00					---	inst. change			
Oct. 14 Mo	18:05	18:35	E				---	facility open			
	18:35	19:20	E	X	059	Corlies	SpeX		MSC	Service Obs.	
	19:20	21:20	E	X	003	Landt	SpeX		MSC		
	21:20	00:15	E	X	992	Arredondo	SpeX/MORIS		SJB		
Oct. 15 Tu	00:15	02:15	E	X	993	Shuping	SpeX		SJB		
	02:15	02:45	E				---	inst. change			
	02:45	05:55	E	X	081	Faggi	iSHELL		SJB		
	05:55	06:05	E				---	facility close			
Oct. 15 Tu	18:05	18:35	E				---	facility open			
	18:35	23:55	E		999	Engineering	TBD		SJB		
	23:55	05:55	E	X	089	Reipurth	SpeX		MSC		
Oct. 16 We	05:55	06:05	E				---	facility close			
Oct. 16 We	18:05	18:35	E,C				---	facility open			
	18:35	19:20	E,C	X	059	Corlies	SpeX		MSC	Service Obs.	
	19:20	23:55	E,C	X	087	Shahbandeh	SpeX/MORIS		MSC		
	23:55	05:55	E	X	089	Reipurth	SpeX		MSC		
Oct. 17 Th	05:55	06:05	E				---	facility close			
Oct. 17 Th	18:05	18:35	C				---	facility open			
	18:35	21:35	C		999	Engineering	TBD		SJB		
	21:35	05:55	C	X	001	Cartwright	SpeX/MORIS		SJB		
Oct. 18 Fr	05:55	06:05	C				---	facility close			
Oct. 18 Fr	10:00	10:30	M,W				---	facility open			
	10:30	11:00	M,W				---	inst. change			
	11:00	16:50	M,W		054	Varatharajan	MIRSI/MOC		SJB	Daylight Obs, First Night	
	16:50	17:00	M,W				---	facility close			
Oct. 18 Fr	18:05	18:35	C				---	facility open			
	18:35	00:15	C		030	Farihi	MIRSI/MOC		MSC	First Night	
Oct. 19 Sa	00:15	00:45	C				---	inst. change			
	00:45	05:55	C		057	Takir	SpeX		SJB		
	05:55	06:05	C				---	facility close			
Oct. 19 Sa	10:00	10:30	M,W				---	facility open			
	10:30	11:00	M,W				---	inst. change			
	11:00	16:50	M,W		054	Varatharajan	MIRSI/MOC		SJB	Daylight Obs	
	16:50	17:00	M,W				---	facility close			
Oct. 19 Sa	18:05	18:35	C,G,O				---	facility open			
	18:35	00:15	C,G,O		030	Farihi	MIRSI/MOC		MSC		
Oct. 20 Su	00:15	00:45	C				---	inst. change			
	00:45	05:55	C	X	095	Goto	SpeX		MSC		
	05:55	06:05	C				---	facility close			
Oct. 20 Su	18:05	18:35	G,O				---	facility open			
	18:35	19:20	G,O	X	059	Corlies	SpeX		MSC	Service Obs.	

	19:20	21:20	G,O	X	003	Landt	SpeX	MSC
	21:20	00:20	G,O	X	062	Howell	SpeX	MSC
Oct. 21 Mo	00:20	05:55	G,O	X	096	Silverberg	SpeX	MSC
	05:55	06:05	G,O			--- facility close		
	10:00	16:00				--- inst. change		
Oct. 21 Mo	18:05	18:35	G,O			--- facility open		
	18:35	01:35	G,O	X	015	Hora	MIRSI	ACB First Night
Oct. 22 Tu	01:35	02:05	G,O			--- inst. change		
	02:05	05:55	G,O	X	095	Goto	SpeX	MSC
	05:55	06:05	G,O			--- facility close		
	10:00	16:00				--- inst. change		
Oct. 22 Tu	18:05	18:35	G,O,E			--- facility open		
	18:35	01:35	G,O,E	X	015	Hora	MIRSI	ACB
Oct. 23 We	01:35	02:05	G,O			--- inst. change		
	02:05	05:55	G,O	X	095	Goto	SpeX	MSC
	05:55	06:05	G,O			--- facility close		
	10:00	16:00				--- inst. change		
Oct. 23 We	18:05	18:35	E			--- facility open		
	18:35	01:35	E	X	015	Hora	MIRSI	ACB
Oct. 24 Th	01:35	05:55	E	X	025	Trilling	MIRSI/MOC	SJB
	05:55	06:05	E			--- facility close		
	10:00	16:00				--- inst. change		
Oct. 24 Th	18:05	18:35	E			--- facility open		
	18:35	00:25	E	X	041	DeMeo	SpeX/MORIS	SJB
Oct. 25 Fr	00:25	00:55	E			--- inst. change		
	00:55	01:55	E	X	091	Graham	iSHELL	ACB
	01:55	05:55	E	X	080	Grant	iSHELL	SJB
	05:55	06:05	E			--- facility close		
	10:00	16:00				--- inst. change		
Oct. 25 Fr	18:05	18:35	E,C			--- facility open		
	18:35	01:25	E,C	X	041	DeMeo	SpeX/MORIS	SJB
Oct. 26 Sa	01:25	01:55	E			--- inst. change		
	01:55	05:55	E	X	080	Grant	iSHELL	SJB
	05:55	06:05	E			--- facility close		
Oct. 26 Sa	18:05	18:35	C			--- facility open		
	18:35	21:55	C		999	Engineering	SpeX	SJB 1st-year grads
	21:55	03:35	C	X	058	McGraw	SpeX/MORIS	SJB
Oct. 27 Su	03:35	05:55	C		999	Engineering	TBD	SJB
	05:55	06:05	C			--- facility close		
Oct. 27 Su	18:05	18:35	C			--- facility open		
	18:35	22:25	C	X	011	Reddy	SpeX/MORIS	MSC
	22:25	01:25	C	X	062	Howell	SpeX	MSC

Oct. 28 Mo	01:25	05:55	C		057	Takir	SpeX	MSC	
	05:55	06:05	C			---	facility close		
Oct. 28 Mo	15:15	15:45	O			---	facility open		
	15:45	17:15	O	X	049	Rathbun	SpeX	MSC	Daylight Obs, Occultation
	17:15	18:35	O	X	018	Orton	SpeX	MSC	Daylight Obs
	18:35	05:55	C,G,W	X	011	Reddy	SpeX/MORIS	MSC	
Oct. 29 Tu	05:55	06:05	C			---	facility close		
Oct. 29 Tu	15:15	15:45	O			---	facility open		
	15:45	18:35	O	X	018	Orton	SpeX	MSC	Daylight Obs
	18:35	19:35	G,W	X	059	Corlies	SpeX	MSC	Service Obs.
	19:35	03:35	G,W	X	001	Cartwright	SpeX/MORIS	MSC	
Oct. 30 We	03:35	05:55	G,W	X	026	Zhang	SpeX	MSC	
	05:55	06:05	G,W			---	facility close		
	10:00	14:00				---	inst. change		
Oct. 30 We	14:45	15:15	O			---	facility open		
	15:15	18:35	O	X	069	Orton	MIRSI	MSC	Daylight Obs
	18:35	19:05	G,W			---	inst. change		
	19:05	21:05	G,W	X	003	Landt	SpeX	MSC	
	21:05	05:55	G,W	X	026	Zhang	SpeX	MSC	
Oct. 31 Th	05:55	06:05	G,W			---	facility close		
	10:00	14:00				---	inst. change		
Oct. 31 Th	14:45	15:15	O			---	facility open		
	15:15	18:35	O	X	069	Orton	MIRSI	MSC	Daylight Obs
	18:35	22:55	G,W,E	X	025	Trilling	MIRSI/MOC	MSC	
	22:55	23:25	G,W,E			---	inst. change		
	23:25	05:55	G,W	X	026	Zhang	SpeX	MSC	

Observer List**October, 2019**

- 001 Richard Cartwright, Joshua Emery, Noemi Pinilla-Alonso
003 Hermine Landt, Martin Ward, Jake Mitchell, Chris Packham, Gary Ferland, Keith Horne, Brad Peterson, Joerg-Uwe Pott, Andy Lawrence, Thaisa Storchi-Bergmann
011 Vishnu Reddy, Juan Sanchez
015 Joseph Hora, Elaine Winston
018 Glenn Orton, Thomas Momary, Kevin Baines, Arrate Antunano, Leigh Fletcher, James Sinclair, Patrick Irwin, Rohini Giles, Thomas Greathouse
025 David Trilling, Michael Mommert, Joseph Hora, Howard Smith, Nick Moskovitz, Andy Lopez Oquendo
026 Zhoujian Zhang, Michael Liu, Eugene Magnier, William Best
030 Jay Farihi, JJ Hermes, Ted von Hippel
033 Amanda Sickafoose, Carlos Zuluaga, Amanda Bosh, Stephen Levine, Michael Person
037 Henrik Melin, Tom Stallard, Leigh Fletcher, Larry Trafton, Steve Miller, Nahid Chowdhury
041 Francesca DeMeo, Schelte J. Bus, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
047 Bryson Cale, Peter Plavchan, Angelle Tanner, Eric Gaidos, Johanna Teske, Jonathan Gagne
049 Julie Rathbun, Christian Tate, Paul Corlies, Alexander Hayes, John Spencer
051 Peter Plavchan, Bryson Cale, Angelle Tanner, Jonathan Gagne
054 Indhu Varatharajan, Constantine Tsang, Jorn Helbert, Noam Izenberg
057 Driss Takir, Joshua Emery
058 Lauren McGraw, Josh Emery, Cristina Thomas, Andy Rivkin
059 Paul Corlies, Alexander Hayes, Patricio Rojo, Mate Adamkovic, Elizabeth Turtle, Sebastien Rodriguez, Jonathan Mitchell, Jonathan Lunine, Juan Lora
062 Ellen Howell, Ronald Vervack, Yan Fernandez, Mary Hinkle
069 Glenn Orton, Joseph Hora, James Sinclair, Leigh Fletcher, Arrate Antunano, Thomas Momary, Rohini Giles, Pdraig Donnelly, Henrik Melin, Thomas Greathouse, Michael H. Wong, Imke de Pater
080 Sierra Grant, Catherine Espaillat, Sean Brittain
081 Sara Faggi, Michael J. Mumma, Geronimo Villanueva, Lucas Paganini, Manuela Lippi
087 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Howie Marion, Andy Howell, Peter Hoeflich, Max Stritzinger, Chris Ashall
089 Bo Reipurth, Michael S. Connelley
091 Sean Graham, Lisa Prato, Joe Llama
092 Adam Burgasser, Chih-chun Hsu, Jessica Birky, David Hogg, Christian Aganze, Christopher Theissen, Cullen Blake
093 Peter Plavchan, Bryson Cale, Sharon Wang, Angelle Tanner, Johanna Teske, Claire Moutou, Ryan Cloutier, Elisabeth Newton
095 Miwa Goto, Anton Vasyunin, Stephanie Cazaux, Paola Caselli
096 Steven Silverberg, Marc Kuchner, John Wisniewski, Carey Lisse, Michael Sitko
109 Cristina Thomas, Joshua Emery, Lauren McGraw, Andrew Rivkin
111 Kimberly Ward-Duong, Michael Petersen, Jeff Bary, Kate Follette, Suzan Edwards, Lena Komarova
112 Takashi Shimonishi, Adwin Boogert
113 Adwin Boogert, Karl Kaess, Matt Richter

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Nov. 1 Fr	05:55 06:05	G,W			---		facility close
Nov. 1 Fr	18:05 18:35	E			---		facility open
	18:35 22:35	E	X	026 Zhang	SpeX	MSC	
	22:35 01:35	E	X	062 Howell	SpeX	MSC	
Nov. 2 Sa	01:35 05:55	E	X	026 Zhang	SpeX	MSC	
	05:55 06:05	E			---		facility close
Nov. 2 Sa	18:05 18:35	E			---		facility open
	18:35 23:00	E		999 Engineering	SpeX	SJB	1st-year grads
	23:00 03:00	E	X	033 Sickafoose	SpeX/MORIS	SJB	Occultation
Nov. 3 Su	03:00 05:55	E	X	041 DeMeo	SpeX/MORIS	SJB	
	05:55 06:05	E			---		facility close
Nov. 3 Su	11:15 11:45	M,W			---		facility open
	11:45 12:15	M,W			---		inst. change
	12:15 18:35	M,W	X	069 Orton	MIRSI	MSC	Daylight Obs
	18:35 19:05	E,C			---		inst. change
	19:05 21:05	E,C	X	003 Landt	SpeX	MSC	
	21:05 05:55	E,C	X	074 Avdellidou	SpeX/MORIS	SJB	
Nov. 4 Mo	05:55 06:05	E			---		facility close
	10:00 11:45				---		inst. change
Nov. 4 Mo	11:45 12:15	M,W			---		facility open
	12:15 18:35	M,W	X	069 Orton	MIRSI	MSC	Daylight Obs
	18:35 22:55	C	X	025 Trilling	MIRSI/MOC	MSC	
	22:55 23:25	C			---		inst. change
	23:25 05:55	C	X	087 Shahbandeh	SpeX/MORIS	MSC	
Nov. 5 Tu	05:55 06:05	C			---		facility close
Nov. 5 Tu	11:45 12:15	M,W			---		facility open
	12:15 18:35	M,W	X	018 Orton	SpeX	MSC	Daylight Obs
	18:35 19:30	C	X	059 Corlies	SpeX	SJB	Service Obs.
	19:30 03:30	C	X	001 Cartwright	SpeX/MORIS	SJB	
Nov. 6 We	03:30 05:55	C		999 Engineering	TBD	SJB	
	05:55 06:05	C			---		facility close
Nov. 6 We	11:45 12:15	M,W			---		facility open
	12:15 13:45	M,W	X	049 Rathbun	SpeX	MSC	Daylight Obs, Occultation
	13:45 18:35	M,W	X	018 Orton	SpeX	MSC	Daylight Obs
	18:35 21:30	C,G,O	X	026 Zhang	SpeX	MSC	
	21:30 00:30	C,G,O	X	062 Howell	SpeX	SJB	
Nov. 7 Th	00:30 05:55	C	X	033 Sickafoose	SpeX/MORIS	SJB	Occultation
	05:55 06:05	C			---		facility close
Nov. 7 Th	18:05 18:35	G,O			---		facility open
	18:35 22:15	G,O	X	093 Plavchan	iSHELL	ACB	
	22:15 00:15	G,O	X	047 Cale	iSHELL	ACB	
Nov. 8 Fr	00:15 05:55	G,O	X	039 Han	iSHELL	ACB	

	05:55	06:05	G,O				---	facility close	
Nov. 8 Fr	18:05	18:35	G,O				---	facility open	
	18:35	22:15	G,O	X	093	Plavchan	iSHELL		ACB
	22:15	00:15	G,O	X	047	Cale	iSHELL		ACB
Nov. 9 Sa	00:15	05:55	G,O	X	039	Han	iSHELL		ACB
	05:55	06:05	G,O				---	facility close	
Nov. 9 Sa	18:05	18:35	G,O,E				---	facility open	
	18:35	23:15	G,O,E		999	Engineering	TBD		SJB
	23:15	00:15	G,O,E	X	091	Graham	iSHELL		ACB
Nov. 10 Su	00:15	05:55	G,O	X	110	Smith	iSHELL		ACB
	05:55	06:05	G,O				---	facility close	
Nov. 10 Su	18:05	18:35	E				---	facility open	
	18:35	22:15	E	X	093	Plavchan	iSHELL		ACB
	22:15	00:15	E	X	047	Cale	iSHELL		ACB
Nov. 11 Mo	00:15	05:55	E	X	039	Han	iSHELL		ACB
	05:55	06:05	E				---	facility close	
Nov. 11 Mo	18:05	18:35	E				---	facility open	
	18:35	22:15	E	X	093	Plavchan	iSHELL		ACB
	22:15	00:15	E	X	047	Cale	iSHELL		ACB
Nov. 12 Tu	00:15	05:55	E	X	039	Han	iSHELL		ACB
	05:55	06:05	E				---	facility close	
	10:00	16:00					---	inst. change	
Nov. 12 Tu	18:05	18:35	E,C				---	facility open	
	18:35	03:00	E,C	X	001	Cartwright	SpeX/MORIS		SJB
Nov. 13 We	03:00	05:55	E	X	073	Connelley	SpeX		MSC
	05:55	06:05	E				---	facility close	
Nov. 13 We	18:05	18:35	C				---	facility open	
	18:35	20:35	C	X	003	Landt	SpeX		SJB
	20:35	23:35	C	X	062	Howell	SpeX		SJB
	23:35	00:05	C				---	inst. change	
Nov. 14 Th	00:05	05:55	C	X	997	Han	iSHELL		ACB
	05:55	06:05	C				---	facility close	
Nov. 14 Th	18:05	18:35	C				---	facility open	
	18:35	00:15	C	X	996	Moore	iSHELL		MSC
Nov. 15 Fr	00:15	05:55	C	X	997	Han	iSHELL		ACB
	05:55	06:05	C				---	facility close	
Nov. 15 Fr	18:05	18:35	C,G,M				---	facility open	
	18:35	00:15	C,G,M	X	075	Connelley	iSHELL		MSC
Nov. 16 Sa	00:15	05:55	C	X	039	Han	iSHELL		ACB
	05:55	06:05	C				---	facility close	
Nov. 16 Sa	18:05	18:35	G,M				---	facility open	
	18:35	19:05	G,M				---	inst. change	

	19:05	21:35	G,M		999	Engineering	TBD	SJB
	21:35	00:35	G,M	X	062	Howell	SpeX	SJB
Nov. 17 Su	00:35	05:55	G,M		999	Engineering	TBD	SJB
	05:55	06:05	G,M			--- facility close		
Nov. 17 Su	18:05	18:35	G,M			--- facility open		
	18:35	19:05	G,M			--- inst. change		
	19:05	01:15	G,M		037	Melin	iSHELL	ACB
Nov. 18 Mo	01:15	05:55	G,M	X	075	Connelley	iSHELL	MSC
	05:55	06:05	G,M			--- facility close		
Nov. 18 Mo	18:05	18:35	G,M,E			--- facility open		
	18:35	01:15	G,M,E		037	Melin	iSHELL	ACB
Nov. 19 Tu	01:15	05:55	G,M	X	075	Connelley	iSHELL	MSC
	05:55	06:05	G,M			--- facility close		
Nov. 19 Tu	18:05	18:35	E			--- facility open		
	18:35	01:15	E		037	Melin	iSHELL	ACB
Nov. 20 We	01:15	05:55	E	X	075	Connelley	iSHELL	MSC
	05:55	06:05	E			--- facility close		
Nov. 20 We	18:05	18:35	E			--- facility open		
	18:35	01:15	E		037	Melin	iSHELL	ACB
Nov. 21 Th	01:15	02:15	E	X	091	Graham	iSHELL	ACB
	02:15	05:55	E	X	023	Hodapp	iSHELL	MSC
	05:55	06:05	E			--- facility close		
	10:00	16:00				--- inst. change		
Nov. 21 Th	18:05	18:35	E,C			--- facility open		
	18:35	23:05	E,C	X	008	Holler	SpeX/MORIS	SJB
	23:05	03:25	E		999	Engineering	TBD	SJB
Nov. 22 Fr	03:25	05:55	E	X	023	Hodapp	SpeX	MSC
	05:55	06:05	E			--- facility close		
Nov. 22 Fr	18:05	18:35	C			--- facility open		
	18:35	05:55	C	X	010	Gagliuffi	SpeX	MSC
Nov. 23 Sa	05:55	06:05	C			--- facility close		
Nov. 23 Sa	18:05	18:35	C			--- facility open		
	18:35	23:05	C	X	008	Holler	SpeX/MORIS	SJB
	23:05	05:55	C		057	Takir	SpeX	SJB
Nov. 24 Su	05:55	06:05	C			--- facility close		
Nov. 24 Su	18:05	18:35	C,G,W			--- facility open		
	18:35	05:55	C,G,W	X	043	Gaffey	SpeX/MORIS	SJB
Nov. 25 Mo	05:55	06:05	C			--- facility close		
Nov. 25 Mo	18:05	18:35	G,W			--- facility open		
	18:35	23:05	G,W	X	008	Holler	SpeX/MORIS	SJB
	23:05	05:55	G,W		057	Takir	SpeX	SJB
Nov. 26 Tu	05:55	06:05	G,W			--- facility close		

	10:00	16:30					---	inst. change		
Nov. 26 Tu	18:05	18:35	G,W				---	facility open		
	18:35	05:55	G,W	X	081	Faggi		iSHELL		SJB
Nov. 27 We	05:55	06:05	G,W				---	facility close		
Nov. 27 We	18:05	18:35	G,W,E				---	facility open		
	18:35	23:05	G,W,E	X	008	Holler		SpeX/MORIS		SJB
	23:05	05:55	G,W		999	Engineering		TBD		SJB
Nov. 28 Th	05:55	06:05	G,W				---	facility close		
Nov. 28 Th	18:05	18:35	E				---	facility open		
	18:35	05:55	E	X	011	Reddy		SpeX/MORIS		SJB
Nov. 29 Fr	05:55	06:05	E				---	facility close		
Nov. 29 Fr	18:05	18:35	E				---	facility open		
	18:35	23:05	E	X	008	Holler		SpeX/MORIS		SJB
	23:05	05:55	E	X	011	Reddy		SpeX/MORIS		SJB
Nov. 30 Sa	05:55	06:05	E				---	facility close		
Nov. 30 Sa	18:05	18:35	E,O				---	facility open		
	18:35	00:15	E,O	X	041	DeMeo		SpeX/MORIS		SJB

Observer List**November, 2019**

- 001 Richard Cartwright, Joshua Emery, Noemi Pinilla-Alonso
003 Hermine Landt, Martin Ward, Jake Mitchell, Chris Packham, Gary Ferland, Keith Horne, Brad Peterson, Joerg-Uwe Pott, Andy Lawrence, Thaisa Storchi-Bergmann
008 Bryan Holler, Richard Cartwright, Jason Hofgartner
010 Daniella Bardalez Gagliuffi, Christopher Theissen, Quinn Konopacky, Adam Burgasser
011 Vishnu Reddy, Juan Sanchez
018 Glenn Orton, Thomas Momary, Kevin Baines, Arrate Antunano, Leigh Fletcher, James Sinclair, Patrick Irwin, Rohini Giles, Thomas Greathouse
023 Klaus Hodapp, Bo Reipurth
025 David Trilling, Michael Mommert, Joseph Hora, Howard Smith, Nick Moskovitz, Andy Lopez Oquendo
026 Zhoujian Zhang, Michael Liu, Eugene Magnier, William Best
033 Amanda Sickafoose, Carlos Zuluaga, Amanda Bosh, Stephen Levine, Michael Person
037 Henrik Melin, Tom Stallard, Leigh Fletcher, Larry Trafton, Steve Miller, Nahid Chowdhury
039 Eunkyun Han, Philip Muirhead
041 Francesca DeMeo, Schelte J. Bus, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
043 Michael Gaffey, Sherry Fieber-Beyer, Justin Germann
047 Bryson Cale, Peter Plavchan, Angelle Tanner, Eric Gaidos, Johanna Teske, Jonathan Gagne
049 Julie Rathbun, Christian Tate, Paul Corlies, Alexander Hayes, John Spencer
057 Driss Takir, Joshua Emery
059 Paul Corlies, Alexander Hayes, Patricio Rojo, Mate Adamkovic, Elizabeth Turtle, Sebastien Rodriguez, Jonathan Mitchell, Jonathan Lunine, Juan Lora
062 Ellen Howell, Ronald Vervack, Yan Fernandez, Mary Hinkle
069 Glenn Orton, Joseph Hora, James Sinclair, Leigh Fletcher, Arrate Antunano, Thomas Momary, Rohini Giles, Pdraig Donnelly, Henrik Melin, Thomas Greathouse, Michael H. Wong, Imke de Pater
073 Michael Connelley, Lynne Hillenbrand, Bo Reipurth
074 Chrysa Avdellidou, Marco Delbo, Sonia Fornasier, Kevin Walsh, Gerard Van Belle
075 Michael Connelley, Christian Flores
081 Sara Faggi, Michael J. Mumma, Geronimo Villanueva, Lucas Paganini, Manuela Lippi
087 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Howie Marion, Andy Howell, Peter Hoeflich, Max Stritzinger, Chris Ashall
091 Sean Graham, Lisa Prato, Joe Llama
093 Peter Plavchan, Bryson Cale, Sharon Wang, Angelle Tanner, Johanna Teske, Claire Moutou, Ryan Cloutier, Elisabeth Newton
110 Rachel Smith, Adwin Boogert

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Dec. 1 Su	00:15 05:55	E	X	087 Shahbandeh	SpeX/MORIS	SJB	
	05:55 06:05	E		---	facility close		
Dec. 1 Su	18:15 18:45	O		---	facility open		
	18:45 23:15	O	X	008 Holler	SpeX/MORIS	SJB	
	23:15 06:05	O	X	040 Bus	SpeX/MORIS	SJB	
Dec. 2 Mo	06:05 06:15	O		---	facility close		
	10:00 16:00			---	inst. change		
Dec. 2 Mo	18:15 18:45	C,O		---	facility open		
	18:45 00:45	C,O	X	050 Chen	iSHELL	ACB	
Dec. 3 Tu	00:45 06:05	C,O		999 Engineering	TBD	SJB	
	06:05 06:15	C,O		---	facility close		
Dec. 3 Tu	18:15 18:45	C,O,G,M,W		---	facility open		
	18:45 23:15	C,O,G,M,W	X	008 Holler	SpeX/MORIS	SJB	
	23:15 06:05	C,O	X	040 Bus	SpeX/MORIS	SJB	
Dec. 4 We	06:05 06:15	C,O		---	facility close		
	10:00 16:00			---	inst. change		
Dec. 4 We	18:15 18:45	G,M,W		---	facility open		
	18:45 06:05	G,M,W	X	081 Faggi	iSHELL	MSC	
Dec. 5 Th	06:05 06:15	G,M,W		---	facility close		
	10:00 16:00			---	inst. change		
Dec. 5 Th	18:15 18:45	G,M,W		---	facility open		
	18:45 06:05	G,M,W	X	070 Connelley	SpeX	MSC	
Dec. 6 Fr	06:05 06:15	G,M,W		---	facility close		
Dec. 6 Fr	18:15 18:45	G,M,W,E		---	facility open		
	18:45 06:05	G,M,W,EX		070 Connelley	SpeX	MSC	
Dec. 7 Sa	06:05 06:15	G,M,W		---	facility close		
Dec. 7 Sa	18:15 18:45	E		---	facility open		
	18:45 19:15	E		---	inst. change		
	19:15 00:05	E	X	079 Flores	iSHELL	MSC	
Dec. 8 Su	00:05 03:05	E	X	064 Flagg	iSHELL	ACB	First Night
	03:05 06:05	E		999 Engineering	TBD	SJB	
	06:05 06:15	E		---	facility close		
Dec. 8 Su	18:15 18:45	E		---	facility open		
	18:45 23:05	E		999 Engineering	TBD	SJB	
	23:05 00:05	E	X	091 Graham	iSHELL	ACB	
Dec. 9 Mo	00:05 03:05	E	X	064 Flagg	iSHELL	ACB	
	03:05 06:05	E		999 Engineering	TBD	SJB	
	06:05 06:15	E		---	facility close		
Dec. 9 Mo	18:15 18:45	E,C		---	facility open		
	18:45 00:05	E,C	X	084 Gaidos	iSHELL	ACB	
Dec. 10 Tu	00:05 03:05	E	X	064 Flagg	iSHELL	ACB	
	03:05 06:05	E	X	084 Gaidos	iSHELL	ACB	

	06:05	06:15	E					---	facility close
	10:00	16:00						---	inst. change
Dec. 10 Tu	18:15	18:45	C					---	facility open
	18:45	06:05	C	X	085	Gaidos	SpeX		ACB
Dec. 11 We	06:05	06:15	C					---	facility close
Dec. 11 We	18:15	18:45	C					---	facility open
	18:45	06:05	C	X	085	Gaidos	SpeX		ACB
Dec. 12 Th	06:05	06:15	C					---	facility close
	10:00	16:00						---	inst. change
Dec. 12 Th	18:15	18:45	C,G,O					---	facility open
	18:45	00:05	C,G,O	X	079	Flores	iSHELL		MSC
Dec. 13 Fr	00:05	03:05	C	X	064	Flagg	iSHELL		ACB
	03:05	06:05	C	X	084	Gaidos	iSHELL		ACB
	06:05	06:15	C					---	facility close
Dec. 13 Fr	18:15	18:45	G,O					---	facility open
	18:45	00:05	G,O	X	079	Flores	iSHELL		MSC
Dec. 14 Sa	00:05	03:05	G,O	X	064	Flagg	iSHELL		ACB
	03:05	06:05	G,O	X	084	Gaidos	iSHELL		ACB
	06:05	06:15	G,O					---	facility close
Dec. 14 Sa	18:15	18:45	G,O					---	facility open
	18:45	00:05	G,O	X	079	Flores	iSHELL		MSC
Dec. 15 Su	00:05	03:05	G,O	X	064	Flagg	iSHELL		ACB
	03:05	06:05	G,O	X	084	Gaidos	iSHELL		ACB
	06:05	06:15	G,O					---	facility close
Dec. 15 Su	18:15	18:45	G,O,E					---	facility open
	18:45	00:05	G,O,E	X	075	Connelley	iSHELL		MSC
Dec. 16 Mo	00:05	03:05	G,O	X	064	Flagg	iSHELL		ACB
	03:05	06:05	G,O	X	079	Flores	iSHELL		MSC
	06:05	06:15	G,O					---	facility close
Dec. 16 Mo	18:15	18:45	E					---	facility open
	18:45	00:05	E	X	075	Connelley	iSHELL		MSC
Dec. 17 Tu	00:05	03:05	E	X	064	Flagg	iSHELL		ACB
	03:05	06:05	E	X	079	Flores	iSHELL		MSC
	06:05	06:15	E					---	facility close
Dec. 17 Tu	18:15	18:45	E					---	facility open
	18:45	00:05	E	X	111	Ward-Duong	iSHELL		ACB
Dec. 18 We	00:05	03:05	E	X	064	Flagg	iSHELL		ACB
	03:05	06:05	E	X	079	Flores	iSHELL		MSC
	06:05	06:15	E					---	facility close
Dec. 18 We	18:15	18:45	E,C					---	facility open
	18:45	00:05	E,C	X	111	Ward-Duong	iSHELL		ACB
Dec. 19 Th	00:05	03:05	E	X	064	Flagg	iSHELL		ACB

	03:05	06:05	E	X	079	Flores	iSHELL	MSC
	06:05	06:15	E			---	facility close	
Dec. 19 Th	18:15	18:45	C			---	facility open	
	18:45	22:15	C	X	047	Cale	iSHELL	ACB
	22:15	01:15	C	X	064	Flagg	iSHELL	ACB
Dec. 20 Fr	01:15	06:05	C	X	075	Connelley	iSHELL	MSC
	06:05	06:15	C			---	facility close	
Dec. 20 Fr	18:15	18:45	C			---	facility open	
	18:45	22:15	C	X	047	Cale	iSHELL	ACB
	22:15	01:15	C	X	064	Flagg	iSHELL	ACB
Dec. 21 Sa	01:15	06:05	C	X	075	Connelley	iSHELL	MSC
	06:05	06:15	C			---	facility close	
Dec. 21 Sa	18:15	18:45	C,O			---	facility open	
	18:45	22:15	C,O	X	047	Cale	iSHELL	ACB
	22:15	01:15	C,O	X	064	Flagg	iSHELL	ACB
Dec. 22 Su	01:15	06:05	C	X	075	Connelley	iSHELL	MSC
	06:05	06:15	C			---	facility close	
Dec. 22 Su	18:15	18:45	O			---	facility open	
	18:45	22:15	O	X	047	Cale	iSHELL	ACB
	22:15	01:15	O	X	064	Flagg	iSHELL	ACB
Dec. 23 Mo	01:15	06:05	O	X	075	Connelley	iSHELL	MSC
	06:05	06:15	O			---	facility close	
Dec. 23 Mo	18:15	18:45	O			---	facility open	
	18:45	22:15	O	X	047	Cale	iSHELL	ACB
	22:15	01:15	O	X	064	Flagg	iSHELL	ACB
Dec. 24 Tu	01:15	02:15	O	X	091	Graham	iSHELL	ACB
	02:15	06:05	O		999	Engineering	TBD	SJB
	06:05	06:15	O			---	facility close	
	-----	-----					Christmas Eve	
Dec. 25 We	-----	-----					Christmas	
Dec. 26 Th	18:15	18:45	E			---	facility open	
	18:45	22:15	E	X	047	Cale	iSHELL	ACB
	22:15	01:15	E	X	064	Flagg	iSHELL	ACB
Dec. 27 Fr	01:15	01:45	E			---	inst. change	
	01:45	03:45	E	X	073	Connelley	SpeX	MSC
	03:45	06:05	E		999	Engineering	TBD	SJB
	06:05	06:15	E			---	facility close	
	10:00	16:00				---	inst. change	
Dec. 27 Fr	18:15	18:45	E,C,W			---	facility open	
	18:45	22:15	E,C,W	X	047	Cale	iSHELL	ACB
	22:15	01:15	E,C,W	X	064	Flagg	iSHELL	ACB
Dec. 28 Sa	01:15	01:45	E			---	inst. change	

	01:45	06:05	E		057	Takir	SpeX	ACB
	06:05	06:15	E			---	facility close	
Dec. 28 Sa	18:15	18:45	C,W			---	facility open	
	18:45	19:15	C,W			---	inst. change	
	19:15	22:15	C,W	X	047	Cale	iSHELL	ACB
	22:15	01:15	C,W	X	064	Flagg	iSHELL	ACB
Dec. 29 Su	01:15	01:45	C,W			---	inst. change	
	01:45	06:05	C,W	X	087	Shahbandeh	SpeX/MORIS	ACB
	06:05	06:15	C,W			---	facility close	
Dec. 29 Su	18:15	18:45	C,W			---	facility open	
	18:45	19:15	C,W			---	inst. change	
	19:15	22:15	C,W	X	047	Cale	iSHELL	ACB
	22:15	01:15	C,W	X	064	Flagg	iSHELL	ACB
Dec. 30 Mo	01:15	01:45	C,W			---	inst. change	
	01:45	06:05	C,W	X	041	DeMeo	SpeX/MORIS	SJB
	06:05	06:15	C,W			---	facility close	
	10:00	16:00				---	inst. change	
Dec. 30 Mo	18:15	18:45	C,W			---	facility open	
	18:45	22:15	C,W	X	047	Cale	iSHELL	ACB
	22:15	01:15	C,W	X	064	Flagg	iSHELL	ACB
Dec. 31 Tu	01:15	01:45	C,W			---	inst. change	
	01:45	06:05	C,W	X	011	Reddy	SpeX/MORIS	ACB
	06:05	06:15	C,W			---	facility close	
	-----	-----					New Year's Eve	

Observer List**December, 2019**

008 Bryan Holler, Richard Cartwright, Jason Hofgartner
011 Vishnu Reddy, Juan Sanchez
040 Schelte J. Bus, Francesca DeMeo, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
041 Francesca DeMeo, Schelte J. Bus, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
047 Bryson Cale, Peter Plavchan, Angelle Tanner, Eric Gaidos, Johanna Teske, Jonathan Gagne
050 Christine Chen, Sean Brittain, Brandon Johnson, Casey Lisse
057 Driss Takir, Joshua Emery
064 Laura Flagg, Asa Stahl, Christopher Johns-Krull, Lisa Prato, Larissa Nofi, Joe Llana
070 Michael Connelley
073 Michael Connelley, Lynne Hillenbrand, Bo Reipurth
075 Michael Connelley, Christian Flores
079 Christian Flores, Michael Connelley
081 Sara Faggi, Michael J. Mumma, Geronimo Villanueva, Lucas Paganini, Manuela Lippi
084 Eric Gaidos, Peter Plavchan
085 Eric Gaidos
087 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Howie Marion, Andy Howell, Peter Hoeflich, Max Stritzinger, Chris Ashall
091 Sean Graham, Lisa Prato, Joe Llana
111 Kimberly Ward-Duong, Michael Petersen, Jeff Bary, Kate Follette, Suzan Edwards, Lena Komarova

HST Date	HST Time	TO	Remote	Prog & PI	Instr	SA	Comments
Jan. 1 We	18:30 19:00	G		---	facility open		
	19:00 01:00	G	X	082 Luhman	SpeX	ACB	
Jan. 2 Th	01:00 06:20	G		999 Engineering	TBD	SJB	
	06:20 06:30	G		---	facility close		
Jan. 2 Th	18:30 19:00	G,E		---	facility open		
	19:00 01:00	G,E	X	082 Luhman	SpeX	ACB	
Jan. 3 Fr	01:00 06:20	G	X	074 Avdellidou	SpeX/MORIS	ACB	
	06:20 06:30	G		---	facility close		
Jan. 3 Fr	18:30 19:00	E		---	facility open		
	19:00 01:00	E	X	082 Luhman	SpeX	ACB	
Jan. 4 Sa	01:00 06:20	E	X	011 Reddy	SpeX/MORIS	ACB	
	06:20 06:30	E		---	facility close		
Jan. 4 Sa	18:30 19:00	E		---	facility open		
	19:00 19:30	E		---	inst. change		
	19:30 02:40	E		005 Woodward	MIRSI/MOC	SJB	
Jan. 5 Su	02:40 06:20	E	X	025 Trilling	MIRSI/MOC	SJB	
	06:20 06:30	E		---	facility close		
Jan. 5 Su	18:30 19:00	E,C,W		---	facility open		
	19:00 02:40	E,C,W		005 Woodward	MIRSI/MOC	SJB	
Jan. 6 Mo	02:40 06:20	E	X	025 Trilling	MIRSI/MOC	SJB	
	06:20 06:30	E		---	facility close		
	10:00 16:00			---	inst. change		
Jan. 6 Mo	18:30 19:00	C,W		---	facility open		
	19:00 23:59	C,W	X	011 Reddy	SpeX/MORIS	MSC	
	23:59 02:30	C,W	X	023 Hodapp	SpeX	MSC	
Jan. 7 Tu	02:30 06:20	C,W	X	011 Reddy	SpeX/MORIS	SJB	
	06:20 06:30	C,W		---	facility close		
	10:00 16:00			---	inst. change		
Jan. 7 Tu	18:30 19:00	C,W		---	facility open		
	19:00 02:00	C,W	X	079 Flores	iSHELL	MSC	
Jan. 8 We	02:00 06:20	C,W	X	093 Plavchan	iSHELL	SJB	
	06:20 06:30	C,W		---	facility close		
Jan. 8 We	18:30 19:00	C,W,G,M		---	facility open		
	19:00 02:00	C,W,G,MX		079 Flores	iSHELL	MSC	
Jan. 9 Th	02:00 06:20	C,W	X	093 Plavchan	iSHELL	SJB	
	06:20 06:30	C,W		---	facility close		
Jan. 9 Th	18:30 19:00	G,M		---	facility open		
	19:00 02:00	G,M	X	079 Flores	iSHELL	MSC	
Jan. 10 Fr	02:00 06:20	G,M	X	093 Plavchan	iSHELL	SJB	
	06:20 06:30	G,M		---	facility close		
Jan. 10 Fr	18:30 19:00	G,M		---	facility open		
	19:00 23:59	G,M	X	113 Boogert	iSHELL	ACB	

	23:59	06:20	G,M	X	093	Plavchan	iSHELL	SJB
Jan. 11 Sa	06:20	06:30	G,M			---	facility close	
Jan. 11 Sa	18:30	19:00	G,M,E			---	facility open	
	19:00	23:59	G,M,E	X	113	Boogert	iSHELL	ACB
	23:59	01:00	G,M	X	091	Graham	iSHELL	ACB
Jan. 12 Su	01:00	06:20	G,M	X	093	Plavchan	iSHELL	SJB
	06:20	06:30	G,M			---	facility close	
Jan. 12 Su	18:30	19:00	E			---	facility open	
	19:00	19:30	E			---	inst. change	
	19:30	00:40	E	X	016	Dinerstein	iSHELL	MSC
Jan. 13 Mo	00:40	01:10	E			---	inst. change	
	01:10	06:20	E	X	010	Gagliuffi	SpeX	MSC
	06:20	06:30	E			---	facility close	
	10:00	16:00				---	inst. change	
Jan. 13 Mo	18:30	19:00	E			---	facility open	
	19:00	00:40	E	X	016	Dinerstein	iSHELL	MSC
Jan. 14 Tu	00:40	06:20	E	X	093	Plavchan	iSHELL	SJB
	06:20	06:30	E			---	facility close	
Jan. 14 Tu	18:30	19:00	E,C			---	facility open	
	19:00	00:40	E,C	X	016	Dinerstein	iSHELL	MSC
Jan. 15 We	00:40	06:20	E	X	093	Plavchan	iSHELL	SJB
	06:20	06:30	E			---	facility close	
Jan. 15 We	18:30	19:00	C			---	facility open	
	19:00	00:40	C	X	021	Banzatti	iSHELL	ACB
Jan. 16 Th	00:40	06:20	C	X	093	Plavchan	iSHELL	SJB
	06:20	06:30	C			---	facility close	
Jan. 16 Th	18:30	19:00	C			---	facility open	
	19:00	00:40	C	X	021	Banzatti	iSHELL	ACB
Jan. 17 Fr	00:40	06:20	C	X	092	Burgasser	iSHELL	ACB
	06:20	06:30	C			---	facility close	
Jan. 17 Fr	18:30	19:00	C,G,W			---	facility open	
	19:00	00:40	C,G,W	X	021	Banzatti	iSHELL	ACB
Jan. 18 Sa	00:40	06:20	C	X	092	Burgasser	iSHELL	ACB
	06:20	06:30	C			---	facility close	
Jan. 18 Sa	18:30	19:00	G,W			---	facility open	
	19:00	01:00	G,W	X	012	Sltko	SpeX	MSC
Jan. 19 Su	01:00	06:20	G,W	X	087	Shahbandeh	SpeX/MORIS	MSC
	06:20	06:30	G,W			---	facility close	
Jan. 19 Su	18:30	19:00	G,W			---	facility open	
	19:00	01:00	G,W	X	012	Sltko	SpeX	MSC
Jan. 20 Mo	01:00	06:20	G,W	X	087	Shahbandeh	SpeX/MORIS	MSC
	06:20	06:30	G,W			---	facility close	

Jan. 20 Mo	18:30	19:00	G,W,E				---	facility open	
	19:00	00:20	G,W,E	X	082	Luhman	SpeX		MSC
Jan. 21 Tu	00:20	06:20	G,W	X	041	DeMeo	SpeX/MORIS		SJB
	06:20	06:30	G,W				---	facility close	
Jan. 21 Tu	18:30	19:00	E				---	facility open	
	19:00	00:20	E	X	082	Luhman	SpeX		MSC
Jan. 22 We	00:20	06:20	E	X	074	Avdellidou	SpeX/MORIS		SJB
	06:20	06:30	E				---	facility close	
Jan. 22 We	18:30	19:00	E				---	facility open	
	19:00	00:20	E	X	082	Luhman	SpeX		MSC
Jan. 23 Th	00:20	06:20	E	X	074	Avdellidou	SpeX/MORIS		SJB
	06:20	06:30	E				---	facility close	
Jan. 23 Th	18:30	19:00	E,C				---	facility open	
	19:00	00:20	E,C	X	082	Luhman	SpeX		MSC
Jan. 24 Fr	00:20	06:20	E	X	011	Reddy	SpeX/MORIS		MSC
	06:20	06:30	E				---	facility close	
Jan. 24 Fr	18:30	19:00	C				---	facility open	
	19:00	00:40	C	X	995	Grant	iSHELL		SJB
Jan. 25 Sa	00:40	06:20	C	X	999	Engineering	TBD		SJB
	06:20	06:30	C				---	facility close	
Jan. 25 Sa	18:30	19:00	C				---	facility open	
	19:00	06:20	C	X	999	Engineering	TBD		SJB
Jan. 26 Su	06:20	06:30	C				---	facility close	
Jan. 26 Su	18:30	19:00	C,G,M				---	facility open	
	19:00	22:30	C,G,M	X	040	Bus	SpeX/MORIS		SJB
	22:30	01:30	C	X	073	Connelley	SpeX		MSC
Jan. 27 Mo	01:30	06:20	C	X	040	Bus	SpeX/MORIS		SJB
	06:20	06:30	C				---	facility close	
	10:00	16:00					---	inst. change	
Jan. 27 Mo	18:30	19:00	G,M				---	facility open	
	19:00	23:00	G,M	X	014	Boogert	iSHELL		ACB
	23:00	00:05	G,M	X	091	Graham	iSHELL		ACB
Jan. 28 Tu	00:05	00:35	G,M				---	inst. change	
	00:35	06:20	G,M	X	040	Bus	SpeX/MORIS		SJB
	06:20	06:30	G,M				---	facility close	
Jan. 28 Tu	18:30	19:00	G,M				---	facility open	
	19:00	06:20	G,M	X	010	Gagliuffi	SpeX		MSC
Jan. 29 We	06:20	06:30	G,M				---	facility close	
Jan. 29 We	18:30	19:00	G,M,E				---	facility open	
	19:00	06:20	G,M,E		057	Takir	SpeX		MSC
Jan. 30 Th	06:20	06:30	G,M				---	facility close	
Jan. 30 Th	18:30	19:00	E				---	facility open	

	19:00	01:00	E	X	012	Sitko	SpeX	MSC	
Jan. 31	Fr	01:00	06:20	E	999	Engineering	TBD	SJB	
		06:20	06:30	E		--- facility close			
Jan. 31	Fr	18:30	19:00	E		--- facility open			
		19:00	01:00	E	X	012	Sitko	SpeX	MSC

Observer List

January, 2020

- 005 Chick Woodward, Michael S.P. Kelley, David Harker, Diane Wooden
 010 Daniella Bardalez Gagliuffi, Christopher Theissen, Quinn Konopacky, Adam Burgasser
 011 Vishnu Reddy, Juan Sanchez
 012 Michael Sitko, Ray Russell, Jon Mauerhan, Daryl Kim, William Danchi, Carol Grady, Dakotah Tyler, Korash Assani, Zoe Lee
 014 Adwin Boogert, Karl Kaess, Matt Richter
 016 Harriet Dinerstein, Nicholas Sterling, William Vacca
 021 Andrea Banzatti, Sean Brittain, Stanley Jensen, Madison Walder, John Rayner
 023 Klaus Hodapp, Bo Reipurth
 025 David Trilling, Michael Mommert, Joseph Hora, Howard Smith, Nick Moskovitz, Andy Lopez Oquendo
 040 Schelte J. Bus, Francesca DeMeo, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
 041 Francesca DeMeo, Schelte J. Bus, Michael Marsset, David Polishook, Brian Burt, Cristina Thomas, Richard P. Binzel, Nicholas Moskovitz, Andrew Rivkin
 057 Driss Takir, Joshua Emery
 073 Michael Connelley, Lynne Hillenbrand, Bo Reipurth
 074 Chrysa Avdellidou, Marco Delbo, Sonia Fornasier, Kevin Walsh, Gerard Van Belle
 079 Christian Flores, Michae Connelley
 082 Kevin Luhman
 087 Melissa Shahbandeh, Eric Hsiao, David Sand, Mark Phillips, Howie Marion, Andy Howell, Peter Hoefflich, Max Stritzinger, Chris Ashall
 091 Sean Graham, Lisa Prato, Joe Llama
 092 Adam Burgasser, Chih-chun Hsu, Jessica Birky, David Hogg, Christian Aganze, Christopher Theissen, Cullen Blake
 093 Peter Plavchan, Bryson Cale, Sharon Wang, Angelle Tanner, Johanna Teske, Claire Moutou, Ryan Cloutier, Elisabeth Newton
 113 Adwin Boogert, Karl Kaess, Matt Richter

HST Date	HST Time		TO	Remote	Prog & PI		Instr	SA	Comments
Feb. 1 Sa	01:00	06:20	E	X	011	Reddy	SpeX/MORIS	MSC	
	06:20	06:30	E			---	facility close		

Observer List

011 Vishnu Reddy, Juan Sanchez

February, 2020

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

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 Imai Namahoe, the IRTF Observatory Manager.

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