

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
TUE 2019-10-01	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
WED 2019-10-02	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Vogt et al(LO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
THU 2019-10-03	Cass: KAST Rubin et al(LO) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel.; BlueX 10 BlueY 5 Eavesdrop.	Levy Robertson et al(UCI) Remote.	
FRI 2019-10-04 First Quarter	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i Eavesdrop. Support Astronomer
SAT 2019-10-05	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop. Cass: KAST GuhaThakurta et al(LO) Gr: gr4 1200/5000; Dich: d55; polarWheel. ADD: Gr: gr4 1200/5000; Dich: d57; polarWheel. Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	EYE Gates et al(MTHAM) Eyepiece

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2019-10-06	<p>Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d55; polarWheel.; We propose to use the KAST spectrograph to obtain these measurements. We request the d55 dichroic, the 600/5000 grism on the blue arm and the 300/7500 grating and the mirror on the red arm. We will take dome flats after each target in order to remove fringing in the red spectra in the face of instrument flexure. Assuming nights that are 8 hours long, we calculate an average of 60 minutes per target, including acquisition, dithering, and calibration overheads. To date we have achieved 8-10 spectra per full clear night. ADD: Install the d57 instead of the d55 Eavesdrop. Support Astronomer</p>	<p>Levy Brandt et al(UCSB) ; None Remote. Support Astronomer</p>	<p>CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.</p>
MON 2019-10-07	<p>Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.</p>	<p>Levy Howard et al(NOSCHOOLS) Remote.</p>	<p>CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer</p>
TUE 2019-10-08	<p>Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote. Cass: KAST GuhaThakurta et al(LO) Gr: gr4 1200/5000; Dich: d55; polarWheel. ADD: Gr: gr4 1200/5000; Dich: d57; polarWheel. Eavesdrop. Support Astronomer</p>	<p>Levy Robertson et al(UCI) Remote.</p>	
WED 2019-10-09	<p>Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.</p>	<p>Levy Robertson et al(UCI) Remote.</p>	

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THU 2019-10-10	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
FRI 2019-10-11	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote. CCD-C2 Gates et al(MTHAM) Filters B V R I
SAT 2019-10-12	Cass: KAST Gates et al(MTHAM) Gr: gr6 300/7500, gr2 600/7500, gMirror; Dich: mirror, d57; polarWheel.	Levy Robertson et al(UCI) Remote.	CCD-C2 Gates et al(MTHAM) Filters B V R I CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
SUN 2019-10-13 Full Moon	Cass: KAST Gates et al(MTHAM) Gr: gr6 300/7500, gr2 600/7500, gMirror; Dich: mirror, d57; polarWheel.	Levy Kosiarek et al(UCSC) Remote.	CCD-C2 Gates et al(MTHAM) Filters B V R I
MON 2019-10-14	Cass: ShARCS_NGS Gonzales et al(UCSC) Filters: Permanent filter set only. Remote. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	
TUE 2019-10-15	Cass: ShARCS_LGS Dressing et al(UCB-A) 6 nights in LGS mode & 10 nights in NGS mode Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Robertson et al(UCI) Remote.	
WED 2019-10-16	Cass: ShARCS_LGS Dressing et al(UCB-A) 6 nights in LGS mode & 10 nights in NGS mode Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Brandt et al(UCSB) ; None Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer

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THU 2019-10-17	Cass: ShARCS_LGS Dressing et al(UCB-A) 6 nights in LGS mode & 10 nights in NGS mode Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Robertson et al(UCI) Remote.	
FRI 2019-10-18	Cass: ShARCS_LGS Zink et al(UCLA) Filters: Permanent filter set only. Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
SAT 2019-10-19	Cass: ShARCS_LGS Theissen et al(UCSD) Filters: Permanent filter set only. Remote. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	EYE Google Evening with the Stars et al(MTHAM) ; Google Evening With The Stars
SUN 2019-10-20 Last Quarter	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
MON 2019-10-21	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Vogt et al(LO) Remote.	
TUE 2019-10-22	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3. Support Astronomer	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
WED 2019-10-23	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
THU 2019-10-24	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Kosiarek et al(UCSC) Remote.	

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FRI 2019-10-25	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Kane et al(UCR) Remote.	
SAT 2019-10-26	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SUN 2019-10-27 New Moon	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2019-10-28	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Brandt et al(UCSB) ; None Remote.	
TUE 2019-10-29	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Robertson et al(UCI) Remote.	
WED 2019-10-30	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.

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THU 2019-10-31	<p>Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d55; polarWheel.; We propose to use the KAST spectrograph to obtain these measurements. We request the d55 dichroic, the 600/5000 grism on the blue arm and the 300/7500 grating and the mirror on the red arm. We will take dome flats after each target in order to remove fringing in the red spectra in the face of instrument flexure. Assuming nights that are 8 hours long, we calculate an average of 60 minutes per target, including acquisition, dithering, and calibration overheads. To date we have achieved 8-10 spectra per full clear night. ADD: Install the d57 instead of the d55 Eavesdrop. Support Astronomer</p>	<p>Levy Vogt et al(LO) Remote.</p>	<p>CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.</p>
FRI 2019-11-01	<p>Cass: KAST Williams et al(UCSC) Gr: gr2 600/7500; Dich: d55; polarWheel. Eavesdrop.</p>	<p>Levy Howard et al(NOSCHOOLS) Remote.</p>	<p>CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.</p>
SAT 2019-11-02	<p>Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.</p>	<p>Levy Robertson et al(UCI) Remote.</p>	<p>CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer</p>
SUN 2019-11-03 First Quarter	<p>Cass: KAST GuhaThakurta et al(LO) Gr: gr4 1200/5000; Dich: d55; polarWheel. ADD: Gr: gr4 1200/5000; Dich: d57; polarWheel. Eavesdrop. Support Astronomer Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.</p>	<p>Levy Brandt et al(UCSB) ; None Remote. Support Astronomer</p>	<p>CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer</p>

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MON 2019-11-04	Cass: KAST GuhaThakurta et al(LO) Gr: gr4 1200/5000; Dich: d55; polarWheel. ADD: Gr: gr4 1200/5000; Dich: d57; polarWheel. Eavesdrop. Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Kosiarek et al(UCSC) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2019-11-05	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
WED 2019-11-06	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Kane et al(UCR) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
THU 2019-11-07	Cass: ShARCS_LGS Mark Ammons(LLNL) Filters: Permanent filter set only. Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop. Support Astronomer
FRI 2019-11-08	Cass: ShARCS_LGS Zink et al(UCLA) Filters: Permanent filter set only. Eavesdrop. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CLOSED CLOSED(LO) ADD: instrument change to NIROSETI
SAT 2019-11-09	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Siemion et al(UCB-A) Remote.	NIROSETI Wright et al(UCSD) NIROSETI
SUN 2019-11-10	Cass: ShARCS_LGS Dressing et al(UCB-A) 6 nights in LGS mode & 10 nights in NGS mode Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Czekala et al(UCB-A) Remote. Support Astronomer Levy Dalba et al(UCR) Remote. Support Astronomer	NIROSETI Wright et al(UCSD) NIROSETI

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MON 2019-11-11 Full Moon	Cass: ShARCS_LGS Dressing et al(UCB-A) 6 nights in LGS mode & 10 nights in NGS mode Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2019-11-12	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote. Support Astronomer	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop. Support Astronomer
WED 2019-11-13	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote.	Levy Brandt et al(UCSB) ; None Remote.	
THU 2019-11-14	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote.	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2019-11-15	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Robertson et al(UCI) Remote.	
SAT 2019-11-16	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop.
SUN 2019-11-17	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Kosiarek et al(UCSC) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2019-11-18	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Wright et al(UCSD) Filters B V R I Remote.

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TUE 2019-11-19 Last Quarter	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Wright et al(UCSD) Filters B V R I Remote.
WED 2019-11-20	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote. Cass: KAST GuhaThakurta et al(LO) Gr: gr4 1200/5000; Dich: d55; polarWheel. Eavesdrop. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Wright et al(UCSD) Filters B V R I Remote.
THU 2019-11-21	Cass: KAST Rubin et al(LO) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel.; BlueX 10 BlueY 5 Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Wright et al(UCSD) Filters B V R I Remote.
FRI 2019-11-22	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d55; polarWheel.; We propose to use the KAST spectrograph to obtain these measurements. We request the d55 dichroic, the 600/5000 grism on the blue arm and the 300/7500 grating and the mirror on the red arm. We will take dome flats after each target in order to remove fringing in the red spectra in the face of instrument flexure. Assuming nights that are 8 hours long, we calculate an average of 60 minutes per target, including acquisition, dithering, and calibration overheads. To date we have achieved 8-10 spectra per full clear night. ADD: Install the d57 instead of the d55 Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	CCD-C2 Wright et al(UCSD) Filters B V R I Remote.
SAT 2019-11-23	Cass: KAST Stelter et al(UCSC) Gr: gr2 600/7500, gr3 830/8460, gr1 600/5000; Dich: d46, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Kosiarek et al(UCSC) Remote.	CCD-C2 Kosiarek et al(UCSC) Filters V R I Z Remote.

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SUN 2019-11-24	Cass: KAST Stelter et al(UCSC) Gr: gr2 600/7500, gr3 830/8460, gr1 600/5000; Dich: d46, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	CCD-C2 Kosiarek et al(UCSC) Filters V R I Z Remote.
MON 2019-11-25 New Moon	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Brandt et al(UCSB) ; None Remote.	CCD-C2 Kosiarek et al(UCSC) Filters V R I Z Remote.
TUE 2019-11-26	Cass: KAST GuhaThakurta et al(LO) Gr: gr4 1200/5000; Dich: d55; polarWheel. ADD: Gr: gr4 1200/5000; Dich: d57; polarWheel. Eavesdrop. Support Astronomer Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
WED 2019-11-27	Cass: KAST Abrahams et al(UCB-A) Gr: gr4 1200/5000, gr5 300/4320, gr1 600/5000, gMirror; Dich: mirror, d57, d46; polarWheel.; BlueX 7.6mm CHANGE: Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; BlueX 7.6mm Eavesdrop. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
THU 2019-11-28	None: CLOSED HOLIDAY(LO) Remote.	Levy Robertson et al(UCI) Remote.	CLOSED CLOSED(LO)
FRI 2019-11-29	None: CLOSED HOLIDAY(LO) Remote.	Levy Siemion et al(UCB-A) Remote.	CLOSED CLOSED(LO)
SAT 2019-11-30	Cass: KAST Kupfer et al(UCSB) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	

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SUN 2019-12-01	Cass: KAST Kupfer et al(UCSB) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Vogt et al(LO) Remote.	
MON 2019-12-02	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2019-12-03 First Quarter	Cass: KAST Williams et al(UCSC) Gr: gr2 600/7500; Dich: d55; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
WED 2019-12-04	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
THU 2019-12-05	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Brandt et al(UCSB) ; None Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2019-12-06	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SAT 2019-12-07	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Kane et al(UCR) Remote.	

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SUN 2019-12-08	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I IGNORE: Remote. ADD: On-site observing
MON 2019-12-09	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Siemion et al(UCB-A) Remote.	
TUE 2019-12-10	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
WED 2019-12-11 Full Moon	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Vogt et al(LO) Remote.	NIROSETI Wright et al(UCSD) NIROSETI
THU 2019-12-12	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	NIROSETI Wright et al(UCSD) NIROSETI
FRI 2019-12-13	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
SAT 2019-12-14	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SUN 2019-12-15	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Czekala et al(UCB-A) Remote. Support Astronomer	
MON 2019-12-16	None: CLOSED CLOSED(LO) Remote.	Levy Brandt et al(UCSB) ; None Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
TUE 2019-12-17	None: CLOSED CLOSED(LO) Remote.	Levy Howard et al(NOSCHOOLS) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
WED 2019-12-18 Last Quarter	None: CLOSED CLOSED(LO) Remote.	Levy Robertson et al(UCI) Remote.	
THU 2019-12-19	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Siemion et al(UCB-A) Remote.	
FRI 2019-12-20	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
SAT 2019-12-21	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Vogt et al(LO) Remote.	
SUN 2019-12-22	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Robertson et al(UCI) Remote.	
MON 2019-12-23	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
TUE 2019-12-24	None: CLOSED HOLIDAY(LO) Remote.	CLOSED HOLIDAY(LO)	CLOSED CLOSED(LO)
WED 2019-12-25 New Moon	None: CLOSED HOLIDAY(LO) Remote.	CLOSED HOLIDAY(LO)	CLOSED CLOSED(LO)

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
THU 2019-12-26	Cass: KAST Cai et al(UCSC) Gr: gr2 600/7500, gr1 600/5000; Dich: d46, d55; polarWheel. Remote. Support Astronomer	Levy Robertson et al(UCI) Remote.	
FRI 2019-12-27	Cass: KAST Cai et al(UCSC) Gr: gr2 600/7500, gr1 600/5000; Dich: d46, d55; polarWheel. Remote.	Levy Robertson et al(UCI) Remote.	
SAT 2019-12-28	Cass: KAST Cai et al(UCSC) Gr: gr2 600/7500, gr1 600/5000; Dich: d46, d55; polarWheel. Remote.	Levy Robertson et al(UCI) Remote.	
SUN 2019-12-29	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d55; polarWheel.; We propose to use the KAST spectrograph to obtain these measurements. We request the d55 dichroic, the 600/5000 grism on the blue arm and the 300/7500 grating and the mirror on the red arm. We will take dome flats after each target in order to remove fringing in the red spectra in the face of instrument flexure. Assuming nights that are 8 hours long, we calculate an average of 60 minutes per target, including acquisition, dithering, and calibration overheads. To date we have achieved 8-10 spectra per full clear night. ADD: Install the d57 instead of the d55 Eavesdrop. Support Astronomer	Levy Siemion et al(UCB-A) Remote.	
MON 2019-12-30	Cass: KAST Rubin et al(LO) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel.; BlueX 10 BlueY 5 Eavesdrop.	Levy Howard et al(NOSCHOOLS) Remote.	
TUE 2019-12-31	None: CLOSED HOLIDAY(LO) Remote.	CLOSED HOLIDAY(LO)	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
WED 2020-01-01	None: CLOSED HOLIDAY(LO) Remote.	CLOSED HOLIDAY(LO)	
THU 2020-01-02 First Quarter	Cass: KAST Abrahams et al(UCB-A) Gr: gr4 1200/5000, gr5 300/4320, gr1 600/5000, gMirror; Dich: mirror, d57, d46; polarWheel.; BlueX 7.6mm CHANGE: Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; BlueX 7.6mm Eavesdrop. Support Astronomer	Levy Vogt et al(LO) Remote.	
FRI 2020-01-03	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
SAT 2020-01-04	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
SUN 2020-01-05	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
MON 2020-01-06	None: CLOSED CLOSED(LO) Remote.	Levy Robertson et al(UCI) Remote.	
TUE 2020-01-07	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Czekala et al(UCB-A) Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
WED 2020-01-08	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
THU 2020-01-09 Full Moon	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Konopacky et al(UCSD) Filters V B R I Remote. Support Astronomer
FRI 2020-01-10	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CLOSED CLOSED(LO) ADD: instrument change to NIROSETI
SAT 2020-01-11	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. ADD: Blue X: 7.6 mm Remote.	Levy Brandt et al(UCSB) ; None Remote. Support Astronomer Levy Holden et al(UCO) Remote.	
SUN 2020-01-12	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Howard et al(NOSCHOOLS) Remote.	NIROSETI Wright et al(UCSD) NIROSETI
MON 2020-01-13	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Robertson et al(UCI) Remote.	NIROSETI Wright et al(UCSD) NIROSETI
TUE 2020-01-14	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
WED 2020-01-15	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Brandt et al(UCSB) ; None Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
THU 2020-01-16 Last Quarter	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 Eavesdrop.	Levy Robertson et al(UCI) Remote.	
FRI 2020-01-17	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SAT 2020-01-18	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500, gr1 600/5000; Dich: d57, d55; polarWheel. Remote.	Levy Kane et al(UCR) Remote.	
SUN 2020-01-19	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500, gr1 600/5000; Dich: d57, d55; polarWheel. Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2020-01-20	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500, gr1 600/5000; Dich: d57, d55; polarWheel. Remote.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
TUE 2020-01-21	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500, gr1 600/5000; Dich: d57, d55; polarWheel. Remote.	Levy Dalba et al(UCR) Remote. Support Astronomer	NIROSETI Wright et al(UCSD) NIROSETI
WED 2020-01-22	Cass: KAST Chisholm et al(UCSC) Dich: d55; polarWheel. IGNORE: ADD: Gr: 600/4310; 600/7500 ADD: gr2: 600/7500 ADD: gr2: 600/7500, gr4: 1200/7500; dich: d46, d55 ADD: ADD: gr2: 600/7500, gr4:1200/7500; dich: d46,d57; Blue X = 7.3 mm Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	NIROSETI Wright et al(UCSD) NIROSETI

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
THU 2020-01-23	Cass: KAST Chisholm et al(UCSC) Dich: d55; polarWheel. IGNORE: ADD: Gr: 600/4310; 600/7500 ADD: gr2: 600/7500 ADD: gr2: 600/7500, gr4: 1200/7500; dich: d46, d55 ADD: ADD: gr2: 600/7500, gr4:1200/7500; dich: d46,d57; Blue X = 7.3 mm Eavesdrop.	Levy Vogt et al(LO) Remote. Levy Kilpatrick et al(UCSC) ; N/A Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2020-01-24 New Moon	Cass: KAST Marijana Smailagic(UCSC) Gr: gr2 600/7500; Dich: d57, d46; User filter wheel. Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop.
SAT 2020-01-25	Cass: KAST Marijana Smailagic(UCSC) Gr: gr2 600/7500; Dich: d57, d46; User filter wheel. Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
SUN 2020-01-26	Cass: KAST Marijana Smailagic(UCSC) Gr: gr2 600/7500; Dich: d57, d46; User filter wheel. Remote.	Levy Kane et al(UCR) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2020-01-27	None: CLOSED CLOSED(LO) Remote. ADD: repairs to the dome ADD: Originally a WFS engineering night, but WFS repairs not ready.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop. Support Astronomer
TUE 2020-01-28	None: CLOSED CLOSED(LO) Remote. ADD: repairs to the dome ADD: Originally a WFS engineering night, but WFS repairs not ready.	Levy Brandt et al(UCSB) ; None Remote.	
WED 2020-01-29	None: CLOSED CLOSED(LO) Remote. ADD: repairs to the dome ADD: Originally a WFS engineering night, but WFS repairs not ready.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
THU 2020-01-30	None: CLOSED CLOSED(LO) Remote. ADD: This night taken from observer to complete repairs to the dome	Levy Czekala et al(UCB-A) Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2020-01-31	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000, gMirror; Dich: d46; polarWheel. ADD: BlueX = 12.3 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SAT 2020-02-01 First Quarter	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
SUN 2020-02-02	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2020-02-03	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Vogt et al(LO) Remote.	
TUE 2020-02-04	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
WED 2020-02-05	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Brandt et al(UCSB) Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
THU 2020-02-06	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Li et al(UCR) Remote.	

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FRI 2020-02-07	None: CLOSED CLOSED(LO) Remote. ADD: Originally an AO night but WFS not functional and no Kast Programs can take it.	Levy Robertson et al(UCI) Remote.	
SAT 2020-02-08 Full Moon	None: CLOSED CLOSED(LO) Remote. ADD: Originally an AO night but WFS not functional and no Kast Programs can take it.	Levy Robertson et al(UCI) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop. Support Astronomer
SUN 2020-02-09	None: CLOSED CLOSED(LO) Remote. ADD: Originally an AO night but WFS not functional and no Kast Programs can take it.	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop.
MON 2020-02-10		Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2020-02-11		Levy Siemion et al(UCB-A) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
WED 2020-02-12	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
THU 2020-02-13	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
FRI 2020-02-14	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SAT 2020-02-15 Last Quarter	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d57; polarWheel.; SN and SH Hosts ADD: Gr: gr6 300/7500, gr1 600/4310; Dich: d57; polarWheel; X=10.0 mm Remote. Support Astronomer	Levy Li et al(UCR) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SUN 2020-02-16	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
MON 2020-02-17	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
TUE 2020-02-18	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Czekala et al(UCB-A) Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
WED 2020-02-19	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3. Support Astronomer	Levy Brandt et al(UCSB) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
THU 2020-02-20	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
FRI 2020-02-21	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
SAT 2020-02-22 New Moon	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-02-23	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Vogt et al(LO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
MON 2020-02-24	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
TUE 2020-02-25	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
WED 2020-02-26	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Czekala et al(UCB-A) Remote. Support Astronomer Levy Hill et al(UCR) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop.
THU 2020-02-27	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop.
FRI 2020-02-28	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Brad Holden(UCO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SAT 2020-02-29	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
SUN 2020-03-01 First Quarter	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
MON 2020-03-02	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop. Support Astronomer
TUE 2020-03-03	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Brad Holden(UCO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
WED 2020-03-04	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop.
THU 2020-03-05	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Konopacky et al(UCSD) Filters R V B I Eavesdrop.
FRI 2020-03-06	None: CLOSED CLOSED(LO) Remote. ADD: Originally an AO night but WFS not functional and no Kast Programs can take it.	Levy Brad Holden(UCO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
SAT 2020-03-07	None: CLOSED CLOSED(LO) Remote. ADD: Originally an AO night but WFS not functional and no Kast Programs can take it.	Levy Howard et al(NOSCHOOLS) Remote.	
SUN 2020-03-08 Full Moon	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote. ADD: Originally an AO night but WFS not functional	Levy Robertson et al(UCI) Remote.	
MON 2020-03-09	None: CLOSED CLOSED(LO) Remote. ADD: Originally an AO night but WFS not functional and no Kast Programs can take it.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
TUE 2020-03-10	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Brandt et al(UCSB) Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
WED 2020-03-11	Cass: KAST Burgasser et al(UCSD) Gr: gr2 600/7500; Dich: d57; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
THU 2020-03-12	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500; Dich: mirror, d57; polarWheel. Support Astronomer	Levy Siemion et al(UCB-A) Remote.	
FRI 2020-03-13	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
SAT 2020-03-14	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Vogt et al(LO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SUN 2020-03-15 Last Quarter	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Brad Holden(UCO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2020-03-16	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
TUE 2020-03-17	Cass: KAST Williams et al(UCSC) Gr: gr2 600/7500, gMirror; Dich: mirror, d55; polarWheel. Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
WED 2020-03-18	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Li et al(UCR) Remote.	
THU 2020-03-19	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d57; polarWheel.; SN and SH Hosts ADD: Gr: gr6 300/7500, gr1 600/4310; Dich: d57; polarWheel; X=10.0 mm Remote. Support Astronomer	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2020-03-20	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote. CHANGE: Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 14.15	Levy Howard et al(NOSCHOOLS) Remote.	
SAT 2020-03-21	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop. ADD: Blue X = 12.3 mm	Levy Hill et al(UCR) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
SUN 2020-03-22	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Siemion et al(UCB-A) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
MON 2020-03-23 New Moon	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
TUE 2020-03-24	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Vogt et al(LO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
WED 2020-03-25	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
THU 2020-03-26	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Brandt et al(UCSB) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
FRI 2020-03-27	Cass: KAST Burchett et al(UCSC) Gr: gr2 600/7500; Dich: d57, d46; polarWheel. Eavesdrop. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
SAT 2020-03-28	Cass: KAST Burchett et al(UCSC) Gr: gr2 600/7500; Dich: d57, d46; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	
SUN 2020-03-29	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
MON 2020-03-30	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Brad Holden(UCO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
TUE 2020-03-31 First Quarter		Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
WED 2020-04-01		Levy Siemion et al(UCB-A) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
THU 2020-04-02		Levy Howard et al(NOSCHOOLS) Remote.	
FRI 2020-04-03		Levy Vogt et al(LO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop. Support Astronomer
SAT 2020-04-04		Levy Robertson et al(UCI) Remote.	
SUN 2020-04-05		Levy Robertson et al(UCI) Remote.	
MON 2020-04-06		Levy Czekala et al(UCB-A) Remote. Support Astronomer	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2020-04-07 Full Moon		Levy Robertson et al(UCI) Remote.	
WED 2020-04-08		Levy Brandt et al(UCSB) Remote. Support Astronomer	
THU 2020-04-09	Cass: KAST El-Badry et al(UCB-A) Gr: gr4 1200/5000, gr2 600/7500; Dich: d46, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
FRI 2020-04-10	Cass: KAST El-Badry et al(UCB-A) Gr: gr4 1200/5000, gr2 600/7500; Dich: d46, d55; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SAT 2020-04-11	Cass: KAST El-Badry et al(UCB-A) Gr: gr4 1200/5000, gr2 600/7500; Dich: d46, d55; polarWheel. Eavesdrop.	Levy Siemion et al(UCB-A) Remote.	
SUN 2020-04-12	Cass: KAST El-Badry et al(UCB-A) Gr: gr4 1200/5000, gr2 600/7500; Dich: d46, d55; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	
MON 2020-04-13	Cass: KAST El-Badry et al(UCB-A) Gr: gr4 1200/5000, gr2 600/7500; Dich: d46, d55; polarWheel. Eavesdrop.	Levy Vogt et al(LO) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2020-04-14 Last Quarter	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop.
WED 2020-04-15	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Dalba et al(UCR) Remote. Support Astronomer	CCD-C2 Foley et al(UCSC) Filters B V r i' Remote.
THU 2020-04-16	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2020-04-17	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d57; polarWheel.; SN and SH Hosts ADD: Gr: gr6 300/7500, gr1 600/4310; Dich: d57; polarWheel; X=10.0 mm Remote. Support Astronomer	Levy Robertson et al(UCI) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r i' Eavesdrop.

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SAT 2020-04-18	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Foley et al(UCSC) Filters B V r' i' Remote.
SUN 2020-04-19	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Brandt et al(UCSB) Remote.	
MON 2020-04-20	Cass: KAST Burchett et al(UCSC) Gr: gr2 600/7500; Dich: d57, d46; polarWheel. Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	
TUE 2020-04-21	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Siemion et al(UCB-A) Remote.	
WED 2020-04-22 New Moon	Cass: KAST Rich et al(UCLA) Gr: gr2 600/7500, gr3 830/8460; Dich: mirror, d55; polarWheel.; BlueX 11.0 Remote. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
THU 2020-04-23	Cass: KAST Rich et al(UCLA) Gr: gr2 600/7500, gr3 830/8460; Dich: mirror, d55; polarWheel.; BlueX 11.0 Remote.	Levy Vogt et al(LO) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
FRI 2020-04-24	Cass: KAST Rich et al(UCLA) Gr: gr2 600/7500, gr3 830/8460; Dich: mirror, d55; polarWheel.; BlueX 11.0 Remote.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SAT 2020-04-25	Cass: KAST Rich et al(UCLA) Gr: gr2 600/7500, gr3 830/8460; Dich: mirror, d55; polarWheel.; BlueX 11.0 Remote.	Levy Czekala et al(UCB-A) Remote. Support Astronomer	
SUN 2020-04-26	Cass: KAST Rich et al(UCLA) Gr: gr2 600/7500, gr3 830/8460; Dich: mirror, d55; polarWheel.; BlueX 11.0 Remote.	Levy Robertson et al(UCI) Remote.	
MON 2020-04-27	Cass: KAST Burchett et al(UCSC) Gr: gr2 600/7500; Dich: d57, d46; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
TUE 2020-04-28	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Li et al(UCR) Remote.	CCD-C2 Kilpatrick et al(UCSC) Filters B V r' i' Eavesdrop.
WED 2020-04-29	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
THU 2020-04-30 First Quarter	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	CCD-C2 Brink et al(UCB-A) Filters B V R I Remote.
FRI 2020-05-01	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Siemion et al(UCB-A) Remote.	
SAT 2020-05-02	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500; Dich: mirror, d57; polarWheel. Support Astronomer	Levy Siemion et al(UCB-A) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-05-03	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500; Dich: mirror, d57; polarWheel.	Levy Vogt et al(LO) Remote.	
MON 2020-05-04	Cass: ShARCS_LGS Ratliff et al(LO) Filters: Permanent filter set only. IGNORE: ADD: This is a NGS engineering night for contingency work on WFS. ADD: Originally a science night but turned into engineering ADD: This is a contingency night for WFS and possible early deployment of repaired TT.	Levy Robertson et al(UCI) Remote.	
TUE 2020-05-05	Cass: ShARCS_LGS Ratliff et al(LO) Filters: Permanent filter set only. IGNORE: ADD: This is a NGS engineering night for contingency work on WFS. ADD: Originally a science night but turned into engineering	Levy Brandt et al(UCSB) Remote. Support Astronomer	
WED 2020-05-06 Full Moon	Cass: ShARCS_LGS Ratliff et al(LO) Filters: Permanent filter set only. IGNORE: ADD: This is a NGS engineering night for contingency work on WFS. ADD: Originally a science night but turned into engineering	Levy Howard et al(NOSCHOOLS) Remote.	
THU 2020-05-07	Cass: ShARCS_LGS Ratliff et al(LO) Filters: Permanent filter set only. IGNORE: ADD: This is a NGS engineering night for contingency work on WFS. ADD: Originally a science night but turned into engineering	Levy Robertson et al(UCI) Remote.	
FRI 2020-05-08	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote. ADD: LGS not available. This will be an NGS night.	Levy Li et al(UCR) Remote.	
SAT 2020-05-09	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 & #956;m, CH₄ 2.4 & #956;m Eavesdrop. ADD: LGS not available. This will be an NGS night.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-05-10	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 & #956;m, CH₄ 2.4 & #956;m Eavesdrop. ADD: LGS not available. This will be an NGS night.	Levy Robertson et al(UCI) Remote.	
MON 2020-05-11	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 & #956;m, CH₄ 2.4 & #956;m Eavesdrop. ADD: LGS not available. This will be an NGS night.	Levy Siemion et al(UCB-A) Remote.	
TUE 2020-05-12	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Siemion et al(UCB-A) Remote.	
WED 2020-05-13 Last Quarter	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Howard et al(NOSCHOOLS) Remote.	
THU 2020-05-14	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Vogt et al(LO) Remote.	
FRI 2020-05-15	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d57; polarWheel.; SN and SH Hosts ADD: Gr: gr6 300/7500, gr1 600/4310; Dich: d57; polarWheel; X=10.0 mm Remote. Support Astronomer	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SAT 2020-05-16	Cass: KAST Zheng et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: d57, d55; polarWheel.; BlueX 7.6mm Remote.	Levy Hill et al(UCR) Remote.	
SUN 2020-05-17	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	
MON 2020-05-18	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Robertson et al(UCI) Remote.	
TUE 2020-05-19	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
WED 2020-05-20	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Dalba et al(UCR) Remote. Support Astronomer	
THU 2020-05-21 New Moon	Cass: KAST Prochaska et al(LO) Gr: gr2 600/7500; Dich: mirror, d57; polarWheel.	Levy Siemion et al(UCB-A) Remote.	
FRI 2020-05-22	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Siemion et al(UCB-A) Remote.	
SAT 2020-05-23	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Vogt et al(LO) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-05-24	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Hill et al(UCR) Remote.	
MON 2020-05-25	Cass: KAST Williams et al(UCSC) Gr: gr2 600/7500, gMirror; Dich: mirror, d55; polarWheel. Remote.	Levy Robertson et al(UCI) Remote.	
TUE 2020-05-26	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
WED 2020-05-27	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Brandt et al(UCSB) Remote.	
THU 2020-05-28	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
FRI 2020-05-29 First Quarter	Cass: ShARCS_LGS Ratliff et al(LO) Filters: Permanent filter set only. IGNORE: ADD: This is a NGS engineering night for contingency work on WFS. ADD: Originally a science night but turned into engineering ADD: This is the target deployment date for the repaired TT. Will need LGS	Levy Robertson et al(UCI) Remote.	
SAT 2020-05-30	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Brad Holden(UCO) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-05-31	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH ₄ 1.2 & #956;m, H ₂ 2.122 & #956;m, CH ₄ 2.4 & #956;m Eavesdrop.	Levy Siemion et al(UCB-A) Remote.	
MON 2020-06-01	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Siemion et al(UCB-A) Remote.	
TUE 2020-06-02	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
WED 2020-06-03	Cass: ShARCS_NGS Jensen-Clem et al(UCSC) Filters: Permanent filter set only. Eavesdrop. Support Astronomer	Levy Vogt et al(LO) Remote.	
THU 2020-06-04 Full Moon	Cass: ShARCS_LGS Theissen et al(UCSD) Filters: Permanent filter set only. Remote.	Levy Robertson et al(UCI) Remote.	
FRI 2020-06-05	Cass: ShARCS_LGS Theissen et al(UCSD) Filters: Permanent filter set only. Remote.	Levy Robertson et al(UCI) Remote.	
SAT 2020-06-06	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote. Support Astronomer	Levy Brad Holden(UCO) Remote.	
SUN 2020-06-07	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
MON 2020-06-08	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
TUE 2020-06-09	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Czekala et al(UCB-A) Remote. Support Astronomer	
WED 2020-06-10	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	
THU 2020-06-11	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Siemion et al(UCB-A) Remote.	
FRI 2020-06-12 Last Quarter	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Brandt et al(UCSB) Remote. Support Astronomer	
SAT 2020-06-13	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d57; polarWheel.; SN and SH Hosts ADD: Gr: gr6 300/7500, gr1 600/4310; Dich: d57; polarWheel; X=10.0 mm Remote. Support Astronomer	Levy Vogt et al(LO) Remote.	
SUN 2020-06-14	Cass: KAST Deich et al(LO) Gr: gMirror; User filter wheel. ADD: Engineering night for new Guider	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
MON 2020-06-15	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
TUE 2020-06-16	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	
WED 2020-06-17	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Dalba et al(UCR) Remote. Support Astronomer	
THU 2020-06-18	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
FRI 2020-06-19	Cass: KAST Kupfer et al(UCSB) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Czekala et al(UCB-A) Remote. Support Astronomer	
SAT 2020-06-20 New Moon	Cass: KAST Kupfer et al(UCSB) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel. Eavesdrop.	Levy Robertson et al(UCI) Remote.	
SUN 2020-06-21	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Siemion et al(UCB-A) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
MON 2020-06-22	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Howard et al(NOSCHOOLS) Remote.	
TUE 2020-06-23	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Vogt et al(LO) Remote.	
WED 2020-06-24	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	
THU 2020-06-25	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Li et al(UCR) Remote.	
FRI 2020-06-26	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Brandt et al(UCSB) Remote.	
SAT 2020-06-27 First Quarter	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	
SUN 2020-06-28	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Howard et al(NOSCHOOLS) Remote.	
MON 2020-06-29	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	
TUE 2020-06-30	: AeroSpOpIR Puetter et al(UCSD) ; Telescope baffles in	Levy Robertson et al(UCI) Remote.	
WED 2020-07-01	Cass: ShARCS_NGS Jensen-Clem et al(UCSC) Filters: Permanent filter set only. Eavesdrop. Support Astronomer	Levy Siemion et al(UCB-A) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
THU 2020-07-02	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Robertson et al(UCI) Remote.	
FRI 2020-07-03	Cass: ShARCS_LGS Robertson et al(UCI) Filters: Permanent filter set only. Remote.	Levy Vogt et al(LO) Remote.	
SAT 2020-07-04 Full Moon	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 & #956;m, CH₄ 2.4 & #956;m Eavesdrop.	Levy Li et al(UCR) Remote.	
SUN 2020-07-05	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 & #956;m, CH₄ 2.4 & #956;m Eavesdrop.	Levy Howard et al(NOSCHOOLS) Remote.	
MON 2020-07-06	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 & #956;m, CH₄ 2.4 & #956;m Eavesdrop.	Levy Robertson et al(UCI) Remote.	
TUE 2020-07-07	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote. Support Astronomer	Levy Robertson et al(UCI) Remote.	
WED 2020-07-08	Cass: ShARCS_LGS Rich et al(UCLA) Filters: Permanent filter set only. Remote.	Levy Brandt et al(UCSB) Remote. Support Astronomer	
THU 2020-07-09	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
FRI 2020-07-10	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Czekala et al(UCB-A) Remote. Support Astronomer	
SAT 2020-07-11	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Siemion et al(UCB-A) Remote.	
SUN 2020-07-12 Last Quarter	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Howard et al(NOSCHOOLS) Remote.	
MON 2020-07-13	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Vogt et al(LO) Remote.	
TUE 2020-07-14	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Robertson et al(UCI) Remote.	
WED 2020-07-15	: POLISH Graham et al(UCB-A) ; Will need Gemini triangle with hexagonal plate and lamp removed. Please do not use pellicle in Cass mirror position 3.	Levy Dalba et al(UCR) Remote. Support Astronomer	
THU 2020-07-16	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Robertson et al(UCI) Remote.	
FRI 2020-07-17	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
SAT 2020-07-18	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Hill et al(UCR) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-07-19 New Moon	Cass: KAST Nugent et al(UCB-LBL) Gr: gr6 300/7500, gr1 600/5000; Dich: d57; polarWheel.; SN and SH Hosts ADD: Gr: gr6 300/7500, gr1 600/4310; Dich: d57; polarWheel; X=10.0 mm Remote. Support Astronomer	Levy Howard et al(NOSCHOOLS) Remote.	
MON 2020-07-20	Cass: KAST Williams et al(UCSC) Gr: gr2 600/7500, gMirror; Dich: mirror, d55; polarWheel. Remote.	Levy Robertson et al(UCI) Remote.	
TUE 2020-07-21	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Siemion et al(UCB-A) Remote.	
WED 2020-07-22	Cass: KAST Melis et al(UCSD) Gr: gr4 1200/5000, gr3 830/8460, gMirror; Dich: mirror, d57; polarWheel.; BlueX 11.0mm Remote.	Levy Brandt et al(UCSB) Remote.	
THU 2020-07-23	Cass: KAST Treu et al(UCLA) Gr: gr2 600/7500, gr1 600/5000; Dich: d46; polarWheel. CHANGE: Eavesdrop.	Levy Vogt et al(LO) Remote.	
FRI 2020-07-24	Cass: KAST Kupfer et al(UCSB) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel. Eavesdrop. Support Astronomer	Levy Robertson et al(UCI) Remote.	
SAT 2020-07-25	Cass: KAST Kupfer et al(UCSB) Gr: gr6 300/7500, gr2 600/7500, gr3 830/8460; Dich: d57, d55; polarWheel. Eavesdrop.	Levy Howard et al(NOSCHOOLS) Remote.	

DATE	SHANE TELESCOPE SCHEDULE	APF SCHEDULE	NICKEL 1 M REFLECTOR SCHEDULE
SUN 2020-07-26 First Quarter	Cass: KAST Foley et al(UCSC) Gr: gr6 300/7500, gr4 1200/5000, gr1 600/5000; Dich: d57; polarWheel.; BlueX 15.65 ADD: Remote.	Levy Robertson et al(UCI) Remote.	
MON 2020-07-27	Cass: KAST Filippenko et al(UCB-A) Gr: gr6 300/7500, gr1 600/5000, gMirror; Dich: mirror, d57; polarWheel.; BlueX 7.6 mm Remote.	Levy Robertson et al(UCI) Remote.	
TUE 2020-07-28	Cass: ShARCS_LGS Ratliff et al(LO) Filters: Permanent filter set only. IGNORE: ADD: This is a NGS engineering night for contingency work on WFS. ADD: Originally a science night but turned into engineering ADD: This is a contingency night for TT install. Will need the LGS	Levy Czekala et al(UCB-A) Remote. Support Astronomer	
WED 2020-07-29	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 μm, CH₄ 2.4 μm Eavesdrop.	Levy Li et al(UCR) Remote.	
THU 2020-07-30	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 μm, CH₄ 2.4 μm Eavesdrop.	Levy Robertson et al(UCI) Remote.	
FRI 2020-07-31	Cass: ShARCS_LGS Dressing et al(UCB-A) 5 LGS nights + 7 NGS nights Filters: CH₄ 1.2 & #956;m, H₂ 2.122 μm, CH₄ 2.4 μm Eavesdrop.	Levy Brad Holden(UCO) Remote.	