

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description			
1	1.08	AR Properties Deep	0000318	10	AR 14 day track	1.50	0.44		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N	HOP	Small raster	C II	Mg II h/k	Mg II w s
1	1.17	AR Raster Timeseries	0206321	720	AR 14 day track	1.00	1.09		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns	HOP	Very large raster	Deep x 4	FUV spectrally rebinned x 2	C II Mg II h/k Mg II w s
1	1.22	Plage Dynamics	0000010	10	AR Plage	1.00	0.34		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns	HOP	Small (3") raster	C II Si IV	Mg II h/k	Mg II w
1	1.29	Plage Dynamics Deep	0008010	100	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns	HOP	Small (3") raster	Full wavelength coverage, deep x4	C II Si IV	Mg II h/k Mg II w
1	1.39	Plage SnS	0000014	1	AR Plage	1.00	1.47		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves	HOP	Small sit-and-stare	C II Si IV	Mg II h/k	Mg II w
1	1.49	Plage SnS EW	0000014	1	AR Plage	1.00	1.47	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS	HOP	Small sit-and-stare	C II Si IV	Mg II h/k	Mg II w
1	1.55	Spot Dynamics Deep	0008010	100	Sunspot	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: sunspot chromo-coro dynamics (umbral flashes, oscillations, ...)	HOP	Small (3") raster	Full wavelength coverage, deep x4	C II Si IV	Mg II h/k Mg II w
1	1.62	Spot SnS	0006015	4	Sunspot	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: sunspot chromo-coro dynamics + high frequency waves	HOP	Medium sit-and-stare	Deep x 4	C II Si IV	Mg II h/k Mg II w
1	1.68	Spot SnS EW	0006015	4	Sunspot	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: sunspot chromo-coro dynamics + high frequency waves	HOP	Medium sit-and-stare	Deep x 4	C II Si IV	Mg II h/k Mg II w
1	1.74	AR Raster Timeseries	0206321	720	AR Plage	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours	HOP	Very large raster	Deep x 4	FUV spectrally rebinned x 2	C II Mg II h/k Mg II w s
1	1.92	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N	HOP	Very large (175") raster	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	Si IV Mg II h/k Mg II w s
2	2.04	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization		C II Si IV	Mg II h/k	Mg II w	Flatfield and calibration
2	2.22	QS Properties	0208413	5,400	DC	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	Si IV Mg II h/k Mg II w s
2	2.26	QS Dynamics	0206010	40	DC	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster	Deep x 4	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
2	2.30	QS SnS	0206015	4	DC	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare	Deep x 4	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
2	2.34	QS SnS	0206015	4	DC	1.00	0.00	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare	Deep x 4	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
2	2.52	QS Properties	0208413	5,400	DC	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	Si IV Mg II h/k Mg II w s
2	2.95	Limb to limb	0408330	1,000	Equator	5.00	5.39	90		Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG)	Full wavelength coverage, deep x4	FUV spectrally rebinned x 4	C II Mg II h/k Mg II w s
3	3.18	Limb to limb	0208331	400	Equator	2.00	3.36	90		Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG)	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	C II Mg II h/k Mg II w s
3	3.61	Limb to limb	0408330	1,000	Central Meridian	5.00	5.39			Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG)	Full wavelength coverage, deep x4	FUV spectrally rebinned x 4	C II Mg II h/k Mg II w s
3	3.83	Limb to limb	0208331	400	Central Meridian	2.00	3.36			Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG)	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	C II Mg II h/k Mg II w s
4	4.01	CH limb properties	0208413	5,400	north pole	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize CH Properties in all wavelengths at reasonable S/N		Very large (175") raster	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	Si IV Mg II h/k Mg II w s
4	4.05	CH limb Dynamics	0204010	20	north pole	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	Limb dynamics in small region: spicules		Small (3") raster	Deep x 2	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
4	4.11	CH limb SnS	0204015	2	north pole	1.00	0.46		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare	Deep x 2	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
4	4.17	CH limb SnS	0204015	2	north pole	1.00	0.46	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EW to cross many spicules: same topics as previous OBS + high frequency waves		Medium sit-and-stare	Deep x 2	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
4	4.35	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	Si IV Mg II h/k Mg II w s
4	4.44	AR Raster Timeseries	0206321	720	AR 14 day track	1.00	1.09		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster	Deep x 4	FUV spectrally rebinned x 2	C II Mg II h/k Mg II w s
4	4.52	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster	C II Si IV	Mg II h/k	Mg II w
4	4.58	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster	Deep x 4	C II Si IV	Mg II h/k Mg II w
4	4.69	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare	FUV spectrally rebinned x 2	C II Si IV	Mg II h/k Mg II w
4	4.80	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare	FUV spectrally rebinned x 2	C II Si IV	Mg II h/k Mg II w
4	4.87	Fans Dynamics Deep	0204010	20	AR fan	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: fan chromo-coro dynamics (outflows, waves/flows,...)		Small (3") raster	Deep x 2	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
4	4.91	Fans SnS	0206015	4	AR fan	1.00	0.00		Y	Daily	W CB CM SP	Superfast sit and stare TS: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare	Deep x 4	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
4	4.95	Fans SnS EW	0206015	4	AR fan	1.00	0.00	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare	Deep x 4	FUV spectrally rebinned x 2	C II Si IV Mg II h/k Mg II w
5	5.10	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster	FUV spectrally rebinned x 2	Si IV	Mg II h/k Mg II w s
5	5.28	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster	Full wavelength coverage, deep x4	FUV spectrally rebinned x 2	Si IV Mg II h/k Mg II w s

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
5	5.45	QS limb Properties	0208413	5,400	quiet limb	1.50	2.73	SPEL	Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
5	5.49	QS limb Dynamics	0204010	20	quiet limb	1.00	0.00	SPEL	Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules		Small (3") raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
5	5.54	QS limb SnS	0204015	2	quiet limb	0.75	0.35	SPEL	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
5	5.59	QS limb SnS	0204015	2	quiet limb	0.75	0.35	SPAL	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EW to cross many spicules: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
5	5.71	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization		C II Si IV Mg II h/k Mg II w Flatfield and calibration
6	6.38	Full Disk PR Shots	0074325	180	Full disk mosaic 15x15 pointings	11.25	4.73			Every 3 days	W CB CM SW FE SP IR	Full disk mosaic with FUV rebinned x4 for counts and speed		Very large raster Deep x 2 Spatial x 2, Spectral x 8 C II Mg II h/k Mg II w s
6	6.55	QS Properties	0208413	5,400	QS mu = 0.8	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
6	6.59	QS Dynamics	0206010	40	QS mu = 0.8	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
6	6.64	QS SnS	0204015	2	QS mu = 0.8	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
6	6.69	QS SnS	0204015	2	QS mu = 0.8	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
6	6.86	QS Properties	0208413	5,400	QS mu = 0.8	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
7	7.04	AR Properties Deep	0208313	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
7	7.10	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
7	7.19	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
7	7.25	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
7	7.36	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
7	7.47	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
7	7.53	Spot Dynamics Deep	0206010	40	Sunspot	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: sunspot chromo-coro dynamics (umbral flashes, oscillations, ...)		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
7	7.59	Spot SnS	0204015	2	Sunspot	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
7	7.66	Spot SnS EW	0204015	2	Sunspot	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
7	7.81	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
7	7.98	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
8	8.08	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-90			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.17	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-75			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.27	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-60			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.36	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-45			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.46	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-30			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.55	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-15			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.65	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	0			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.74	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	15			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.84	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	30			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
8	8.93	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	45			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
9	9.02	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	60			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
9	9.12	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	75			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
9	9.21	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	90			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
9	9.39	Prominence Properties	0208413	5,400	Prominence at limb	1.50	2.73				W CB CM SW FE SP IR	Deep full WL raster to characterize Prominence Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
9	9.43	Prominence Dynamics	0206010	40	Prominence at limb	1.00	0.00				W CB CM SW FE SP IR	Prominence dynamics in small region: waves, convective flows, heating to high temperatures		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
9	9.48	Prominence SnS	0204015	2	Prominence at limb	0.75	0.35				W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
9	9.52	Prominence SnS	0204015	2	Prominence at limb	0.75	0.35	SPEO			W CB CM SW FE SP IR	Fast sit and stare TS with slit perpendicular to long axis of prominence: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
9	9.70	Prominence Properties	0208413	5,400	Prominence at limb	1.50	2.73				W CB CM SW FE SP IR	Deep full WL raster to characterize Prominence Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
9	9.88	CH Properties	0208413	5,400	CH mu =0.3	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize disk CH Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
9	9.92	CH Dynamics	0206010	40	CH mu =0.3	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	Disk CH dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
9	9.96	CH SnS	0204015	2	CH mu =0.3	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
10	10.01	CH SnS	0204015	2	CH mu =0.3	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
10	10.18	CH Properties	0208413	5,400	CH mu =0.3	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize disk CH Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
10	10.31	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization		C II Si IV Mg II h/k Mg II w Flatfield and calibration
10	10.49	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
10	10.55	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
10	10.63	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
10	10.70	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
10	10.81	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
10	10.92	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
10	10.98	Fans Dynamics Deep	0204010	20	AR Fan	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: fan chromo-coro dynamics (outflows, waves/flows,...)		Small (3") raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
11	11.04	Fans SnS	0204015	2	AR Fan	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
11	11.10	Fans SnS EW	0204015	2	AR Fan	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
11	11.25	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
11	11.43	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
11	11.50	QS Spicule Propagation	0000032	2	QS Limb (2 Step - 0.33"; 10" Above)	0.50	1.17	SPAL			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.57	QS Spicule Propagation	0000032	2	QS Limb (2 Step - 0.33"; 5" Above)	0.50	1.17	SPAL			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.62	QS Spicule Propagation	0000033	2	QS Limb (2 Step - 1"; 10" Above)	0.50	0.64	SPAL			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.66	QS Spicule Propagation	0000034	2	QS Limb (2 Step - 2"; 10" Above)	0.50	0.64	SPAL			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.71	QS Spicule Propagation	0000033	2	QS Limb (2 Step - 1"; 5" Above)	0.50	0.64	SPAL			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.76	QS Spicule Propagation	0000034	2	QS Limb (2 Step - 2"; 5" Above)	0.50	0.64	SPAL			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.83	PCH Spicule Propagation	0000032	2	PCH Limb (2 Step - 0.33"; 10" Above)	0.50	1.17	90			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.90	PCH Spicule Propagation	0000032	2	PCH Limb (2 Step - 0.33"; 5" Above)	0.50	1.17	90			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.95	PCH Spicule Propagation	0000033	2	PCH Limb (2 Step - 1"; 10" Above)	0.50	0.64	90			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
11	11.99	PCH Spicule Propagation	0000033	2	PCH Limb (2 Step - 1"; 5" Above)	0.50	0.64	90			W CM SW SP	Wave/Mass Transport in spicules		Two-step raster C II Si IV Mg II h/k Mg II w
12	12.04	PCH Spicule Propagation	0000035	3	PCH Limb (2 Step - 2"; 10" Above)	0.50	0.64	90			W CM SW SP	Wave/Mass Transport in spicules		Three-step raster C II Si IV Mg II h/k Mg II w
12	12.09	PCH Spicule Propagation	0000035	3	PCH Limb (2 Step - 2"; 5" Above)	0.50	0.64	90			W CM SW SP	Wave/Mass Transport in spicules		Three-step raster C II Si IV Mg II h/k Mg II w
12	12.26	QS Properties	0208413	5,400	QS mu = 0.7	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
12	12.31	QS Dynamics	0206010	40	QS mu = 0.7	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
12	12.35	QS SnS	0204015	2	QS mu = 0.7	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
12	12.40	QS SnS	0204015	2	QS mu = 0.7	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
12	12.57	QS Properties	0208413	5,400	QS mu = 0.7	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
13	13.24	Full Disk PR Shots	0074325	180	Full disk mosaic 15x15 pointings	11.25	4.73			Every 3 days		Full disk mosaic		Very large raster Deep x 2 Spatial x 2, Spectral x 8 C II Mg II h/k Mg II w s
13	13.42	AR Properties Deep	0208313	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
13	13.48	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
13	13.56	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
13	13.63	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
13	13.74	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
13	13.85	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
13	13.91	Spot Dynamics Deep	0206010	40	Sunspot	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: sunspot chromo-coro dynamics (umbral flashes, oscillations, ...)		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
13	13.95	Spot SnS	0206015	4	Sunspot	1.00	0.00		Y	Daily	W CB CM SP	Superfast sit and stare TS: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
13	13.99	Spot SnS EW	0206015	4	Sunspot	1.00	0.00	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
14	14.14	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
14	14.32	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
14	14.50	CH Properties	0208413	5,400	ECH	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize disk CH Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
14	14.54	CH Dynamics	0206010	40	ECH	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	Disk CH dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
14	14.58	CH SnS	0204015	2	ECH	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
14	14.63	CH SnS	0204015	2	ECH	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
14	14.81	CH Properties	0208413	5,400	ECH	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize disk CH Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
15	15.45	Limb to limb	0408030	1,000	Equator	5.00	10.44	90		Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
15	15.76	Limb to limb	0208031	400	Equator	2.00	5.38	90		Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
16	16.40	Limb to limb	0408030	1,000	Central Meridian	5.00	10.44			Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
16	16.71	Limb to limb	0208031	400	Central Meridian	2.00	5.38			Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
16	16.88	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
16	16.95	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
17	17.03	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
17	17.10	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
17	17.21	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
17	17.32	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
17	17.38	Fans Dynamics Deep	0204010	20	AR Fan	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: fan chromo-coro dynamics (outflows, waves/flows,...)		Small (3") raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
17	17.44	Fans SnS	0204015	2	AR Fan	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
17	17.50	Fans SnS EW	0204015	2	AR Fan	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
17	17.65	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
17	17.83	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
17	17.95	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization		C II Si IV Mg II h/k Mg II w Flatfield and calibration
18	18.13	QS Properties	0208413	5,400	QS mu = 0.6	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
18	18.17	QS Dynamics	0206010	40	QS mu = 0.6	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
18	18.22	QS SnS	0204015	2	QS mu = 0.6	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
18	18.26	QS SnS	0204015	2	QS mu = 0.6	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
18	18.44	QS Properties	0208413	5,400	QS mu = 0.6	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
18	18.62	Prominence Properties	0208413	5,400	Polar Prominence at limb	1.50	2.73				W CB CM SW FE SP IR	Deep full WL raster to characterize Prominence Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
18	18.66	Prominence Dynamics	0206010	40	Polar Prominence at limb	1.00	0.00				W CB CM SW FE SP IR	Prominence dynamics in small region: waves, convective flows, heating to high temperatures		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
18	18.70	Prominence SnS	0204015	2	Polar Prominence at limb	0.75	0.35				W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
18	18.75	Prominence SnS	0204015	2	Polar Prominence at limb	0.75	0.35	SPEO			W CB CM SW FE SP IR	Fast sit and stare TS with slit perpendicular to long axis of prominence: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
18	18.92	Prominence Properties	0208413	5,400	Polar Prominence at limb	1.50	2.73				W CB CM SW FE SP IR	Deep full WL raster to characterize Prominence Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
18	18.97	Quiet Sun Limb SnS	0216015	4	Off Limb (2" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.01	Quiet Sun Limb SnS	0216015	4	Off Limb (4" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.05	Quiet Sun Limb SnS	0216015	4	Off Limb (6" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.09	Quiet Sun Limb SnS	0216015	4	Off Limb (8" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.13	Quiet Sun Limb SnS	0216015	4	Off Limb (10" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.17	Quiet Sun Limb SnS	0216015	4	Off Limb (12" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.22	Quiet Sun Limb SnS	0216015	4	Off Limb (15" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.26	Quiet Sun Limb SnS	0216015	4	Off Limb (20" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.43	AR Properties Deep	0208313	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
19	19.50	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
19	19.58	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
19	19.65	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
19	19.76	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.87	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.93	Spot Dynamics Deep	0206010	40	Sunspot	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: sunspot chromo-coro dynamics (umbral flashes, oscillations, ...)		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
19	19.97	Spot SnS	0206015	4	Sunspot	1.00	0.00		Y	Daily	W CB CM SP	Superfast sit and stare TS: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
20	20.01	Spot SnS EW	0206015	4	Sunspot	1.00	0.00	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
20	20.16	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
20	20.34	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
20	20.38	Filament Dynamics	0004010	20	AR filament	1.00	0.00				W F CM	Filament dynamics in small region: waves, convective flows, heating to high temperatures		Small (3") raster Deep x 2 C II Si IV Mg II h/k Mg II w
20	20.47	Filament SnS	0004015	2	AR filament	0.75	1.25				W F CM	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 C II Si IV Mg II h/k Mg II w
20	20.55	Filament SnS	0004015	2	AR filament	0.75	1.25	SPEO			W F CM	Fast sit and stare TS with slit perpendicular to long axis of filament: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 C II Si IV Mg II h/k Mg II w
20	20.64	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-90			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
20	20.74	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-75			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
20	20.83	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-60			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
20	20.93	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-45			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.02	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-30			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
21	21.12	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-15			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.21	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	0			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.31	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	15			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.40	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	30			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.50	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	45			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.59	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	60			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.69	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	75			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.78	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	90			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
21	21.96	QS Properties	0208413	5,400	QS mu = 0.5	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
21	22.00	QS Dynamics	0206010	40	QS mu = 0.5	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
22	22.04	QS SnS	0204015	2	QS mu = 0.5	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
22	22.09	QS SnS	0204015	2	QS mu = 0.5	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
22	22.27	CH Properties	0208413	5,400	ECH	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize disk CH Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
22	22.31	CH Dynamics	0206010	40	ECH	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	Disk CH dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
22	22.35	CH SnS	0204015	2	ECH	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
22	22.40	CH SnS	0204015	2	ECH	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
22	22.57	CH Properties	0208413	5,400	ECH	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize disk CH Properties in all wavelengths at better S/N (rebin x2)		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
22	22.62	CH Limb SnS	0416015	4	Off Limb (2" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.66	CH Limb SnS	0416015	4	Off Limb (4" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.70	CH Limb SnS	0416015	4	Off Limb (6" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.74	CH Limb SnS	0416015	4	Off Limb (8" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.78	CH Limb SnS	0416015	4	Off Limb (10" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.82	CH Limb SnS	0416015	4	Off Limb (12" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.87	CH Limb SnS	0416015	4	Off Limb (15" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
22	22.91	CH Limb SnS	0416015	4	Off Limb (20" Above)	1.00	0.00	90			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
23	23.08	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
23	23.15	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
23	23.23	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
23	23.30	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
23	23.41	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
23	23.52	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
23	23.58	Fans Dynamics Deep	0204010	20	AR Fan	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: fan chromo-coro dynamics (outflows, waves/flows,...)		Small (3") raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
23	23.64	Fans SnS	0204015	2	AR Fan	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
23	23.70	Fans SnS EW	0204015	2	AR Fan	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
23	23.85	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
24	24.03	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
24	24.15	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization	C II Si IV Mg II h/k Mg II w	Flatfield and calibration
24	24.82	Full Disk PR Shots	0074325	180	Full disk mosaic 15x15 pointings	11.25	4.73			Every 3 days		Full disk mosaic		Very large raster Deep x 2 Spatial x 2, Spectral x 8 C II Mg II h/k Mg II w s
24	24.87	Prominence Dynamics	0200032	2	Prominence (2 Step - 0.33"; bottom)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
24	24.93	Prominence Dynamics	0200032	2	Prominence (2 Step - 0.33"; middle)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
24	24.98	Prominence Dynamics	0200032	2	Prominence (2 Step - 0.33"; top)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.04	Prominence Dynamics	0200032	2	Prominence (2 Step - 1"; bottom)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.09	Prominence Dynamics	0200032	2	Prominence (2 Step - 1"; middle)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.15	Prominence Dynamics	0200032	2	Prominence (2 Step - 1"; top)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.20	Prominence Dynamics	0200032	2	Prominence (2 Step - 2"; bottom)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.26	Prominence Dynamics	0200032	2	Prominence (2 Step - 2"; middle)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.31	Prominence Dynamics	0200032	2	Prominence (2 Step - 2"; top)	0.75	0.57	SPAL			W F CM	Wave/Mass Transport in prominence		Two-step raster FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.49	AR Properties Deep	0208313	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
25	25.55	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
25	25.64	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
25	25.70	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
25	25.81	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.92	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
25	25.98	Spot Dynamics Deep	0206010	40	Sunspot	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: sunspot chromo-coro dynamics (umbral flashes, oscillations, ...)		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
26	26.03	Spot SnS	0206015	4	Sunspot	1.00	0.00		Y	Daily	W CB CM SP	Superfast sit and stare TS: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
26	26.07	Spot SnS EW	0206015	4	Sunspot	1.00	0.00	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
26	26.22	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
26	26.39	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
26	26.83	Limb to limb	0408330	1,000	Equator	5.00	5.39	90		Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Mg II h/k Mg II w s
26	26.99	Limb to limb	0408331	400	Equator	2.00	1.87	90		Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Mg II h/k Mg II w s
27	27.42	Limb to limb	0408330	1,000	Central Meridian	5.00	5.39			Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Mg II h/k Mg II w s
27	27.58	Limb to limb	0408331	400	Central Meridian	2.00	1.87			Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Mg II h/k Mg II w s
27	27.63	QS Limb SnS	0416015	4	Off Limb (2" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.67	QS Limb SnS	0416015	4	Off Limb (4" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.71	QS Limb SnS	0416015	4	Off Limb (6" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.75	QS Limb SnS	0416015	4	Off Limb (8" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.79	QS Limb SnS	0416015	4	Off Limb (10" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.83	QS Limb SnS	0416015	4	Off Limb (12" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.88	QS Limb SnS	0416015	4	Off Limb (15" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
27	27.92	QS Limb SnS	0416015	4	Off Limb (20" Above)	1.00	0.00	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare Deep x 4 Spatial x 1, Spectral x 2 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
28	28.09	QS Properties	0208413	5,400	QS mu = 0.4	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
28	28.13	QS Dynamics	0206010	40	QS mu = 0.4	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
28	28.18	QS SnS	0204015	2	QS mu = 0.4	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
28	28.23	QS SnS	0204015	2	QS mu = 0.4	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
28	28.40	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
28	28.47	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
28	28.55	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w
28	28.61	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
28	28.72	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
28	28.84	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
28	28.90	Fans Dynamics Deep	0204010	20	AR Fan	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: fan chromo-coro dynamics (outflows, waves/flows,...)		Small (3") raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
28	28.96	Fans SnS	0204015	2	AR Fan	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.02	Fans SnS EW	0204015	2	AR Fan	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.17	AR Raster Timeseries	0200413	540	AR 14 day track	0.75	2.86		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns: repeated to track changes over course of 6 hours		Very large (175") raster FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
29	29.35	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Repeat deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
29	29.39	QS Spicule Propagation	0000035	3	Limb (3 Step - 0.33"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
29	29.44	QS Spicule Propagation	0000035	3	Limb (3 Step - 0.33"; 5" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
29	29.46	QS Spicule Propagation	0204035	6	Limb (3 Step - 0.33"; 10" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.48	QS Spicule Propagation	0204035	6	Limb (3 Step - 0.33"; 5" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.53	QS Spicule Propagation	0000036	3	Limb (3 Step - 1"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
29	29.58	QS Spicule Propagation	0000036	3	Limb (3 Step - 1"; 5" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
29	29.60	QS Spicule Propagation	0204036	6	Limb (3 Step - 1"; 10" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.62	QS Spicule Propagation	0204036	6	Limb (3 Step - 1"; 5" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.67	QS Spicule Propagation	0000037	3	Limb (3 Step - 2"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
29	29.72	QS Spicule Propagation	0000037	3	Limb (3 Step - 2"; 5" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
29	29.74	QS Spicule Propagation	0204037	6	Limb (3 Step - 2"; 10" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.76	QS Spicule Propagation	0204037	6	Limb (3 Step - 2"; 5" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
29	29.88	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization		C II Si IV Mg II h/k Mg II w Flatfield and calibration
30	30.06	QS Properties	0208413	5,400	QS mu = 0.3	1.50	2.73		Y	Semi-daily	W CB CM SW FE SP IR	Deep full WL raster to characterize QS Properties in all wavelengths at reasonable S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
30	30.10	QS Dynamics	0206010	40	QS mu = 0.3	1.00	0.00		Y	Semi-daily	W CB CM SW FE SP IR	QS dynamics in small region: spicules, TR downflows, nanoflare effects, waves/upflows, chromospheric heating dynamics		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
30	30.15	QS SnS	0204015	2	QS mu = 0.3	0.75	0.35		Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
30	30.19	QS SnS	0204015	2	QS mu = 0.3	0.75	0.35	90	Y	Semi-daily	W CB CM SW FE SP IR	Fast sit and stare TS with slit EQ to avoid tracking artefacts: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
30	30.23	Filament Dynamics	0004010	20	Polar crown filament	1.00	0.00				W F CM	Filament dynamics in small region: waves, convective flows, heating to high temperatures		Small (3") raster Deep x 2 C II Si IV Mg II h/k Mg II w
30	30.32	Filament SnS	0004015	2	Polar crown filament	0.75	1.25				W F CM	Fast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 C II Si IV Mg II h/k Mg II w
30	30.40	Filament SnS	0004015	2	Polar crown filament	0.75	1.25	SPEO			W F CM	Fast sit and stare TS with slit perpendicular to long axis of filament: same topics as previous OBS + high frequency waves		Medium sit-and-stare Deep x 2 C II Si IV Mg II h/k Mg II w
30	30.58	AR Properties Deep	0208313	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
30	30.64	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
30	30.72	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
30	30.79	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
30	30.90	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
31	31.01	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
31	31.07	Spot Dynamics Deep	0206010	40	Sunspot	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: sunspot chromo-coro dynamics (umbral flashes, oscillations, ...)		Small (3") raster Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
31	31.11	Spot SnS	0206015	4	Sunspot	1.00	0.00		Y	Daily	W CB CM SP	Superfast sit and stare TS: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
31	31.15	Spot SnS EW	0206015	4	Sunspot	1.00	0.00	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: sunspot chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
31	31.22	Spot Oscillations Propagation	0000032	2	Spot fan (2 Step - 0.33"; middle)	0.50	1.17	SPAL			W CM S SP	Sunspot oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
31	31.29	Spot Oscillations Propagation	0000032	2	Spot fan (2 Step - 0.33"; bottom)	0.50	1.17	SPAL			W CM S SP	Sunspot oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
31	31.34	Spot Oscillations Propagation	0000033	2	Spot fan (2 Step - 1"; middle)	0.50	0.64	SPAL			W CM S SP	Sunspot oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
31	31.39	Spot Oscillations Propagation	0000034	2	Spot fan (2 Step - 2"; middle)	0.50	0.64	SPAL			W CM S SP	Sunspot oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
31	31.44	Spot Oscillations Propagation	0000033	2	Spot fan (2 Step - 1"; bottom)	0.50	0.64	SPAL			W CM S SP	Sunspot oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
31	31.48	Spot Oscillations Propagation	0000034	2	Spot fan (2 Step - 2"; bottom)	0.50	0.64	SPAL			W CM S SP	Sunspot oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
31	31.58	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-90			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
31	31.67	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-75			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
31	31.77	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-60			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
31	31.86	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-45			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
31	31.96	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-30			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.05	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	-15			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.15	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	0			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.24	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	15			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.34	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	30			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.43	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	45			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.53	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	60			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.62	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	75			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.72	Angled L2L	0016031	160	Cruciform scan along radius, 15 ptngs	0.75	1.52	90			W CB CM SW FE SP IR	Limb to limb at various angles		Synoptic raster (30",SG) Deep x 4 Spatial x 1, Spectral x 2 C II Si IV Mg II h/k Mg II w
32	32.83	AR Limb SnS	0200015	1	Off Limb (2" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
32	32.94	AR Limb SnS	0200015	1	Off Limb (4" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.05	AR Limb SnS	0200015	1	Off Limb (6" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.16	AR Limb SnS	0200015	1	Off Limb (8" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.27	AR Limb SnS	0200015	1	Off Limb (10" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.38	AR Limb SnS	0200015	1	Off Limb (12" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.49	AR Limb SnS	0200015	1	Off Limb (15" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.60	AR Limb SnS	0200015	1	Off Limb (20" Above)	1.00	1.66	SPAL			W CM SW SP	Statistical Study of evolution of spicules from chromospheric to TR and coronal temperatures		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
33	33.78	AR Properties Deep	0208413	5,400	AR 14 day track	1.50	2.73		Y	Daily	W CB CM SW FE SP	Track AR as it crosses disk from center to limb or limb to limb: start with deep, full WL raster to characterize spectral line profiles at high S/N		Very large (175") raster Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 Si IV Mg II h/k Mg II w s
33	33.84	AR Raster Timeseries	0206321	720	AR 14 day track	0.75	0.82		Y	Daily	W CB CM SW FE SP	Dynamic evolution of "slow" rasters across full AR: upflow/downflow patterns, upflows/waves, chromo/corona heating patterns		Very large raster Deep x 4 FUV spectrally rebinned x 2 C II Mg II h/k Mg II w s
33	33.93	Plage Dynamics	0000010	10	AR Plage	1.50	0.50		Y	Daily	W CB CM SW FE SP	Fast small raster: moss dynamics, spicules, nanoflare effects, chromo-coro heating patterns		Small (3") raster C II Si IV Mg II h/k Mg II w

Day	Fday	Description	Obs ID	Cad (s)	target	obs time (hr)	dl time (hr)	roll?	rot track	Repeat	Science Topics	Science description	coordinat ion?	Raster description
33	33.99	Plage Dynamics Deep	0006010	40	AR Plage	1.50	0.00		Y	Daily	W CB CM SW FE SP	Slower, deep small to get better Fe XII counts: moss, spicules, 5 min wave leakage, nanoflares, chromo-coro patterns		Small (3") raster Deep x 4 C II Si IV Mg II h/k Mg II w
34	34.10	Plage SnS	0200015	1	AR Plage	1.00	1.66		Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS: same topics as previous OBS + high frequency waves		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
34	34.21	Plage SnS EW	0200015	1	AR Plage	1.00	1.66	90	Y	Daily	W CB CM SW FE SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: same topics as previous OBS		Medium sit-and-stare FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
34	34.28	Fans Dynamics Deep	0204010	20	AR Fan	1.50	0.00		Y	Daily	W CB CM SP	Slower, deep small raster: fan chromo-coro dynamics (outflows, waves/flows,...)		Small (3") raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
34	34.34	Fans SnS	0204015	2	AR Fan	1.00	0.46		Y	Daily	W CB CM SP	Superfast sit and stare TS: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
34	34.40	Fans SnS EW	0204015	2	AR Fan	1.00	0.46	90	Y	Daily	W CB CM SP	Superfast sit and stare TS with slit EW to avoid tracking artefacts: fan chromo-coro dynamics + high frequency waves		Medium sit-and-stare Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
34	34.47	Fan Oscillations Propagation	0000032	2	Spot fan (2 Step - 0.33"; middle)	0.50	1.17	SPAL			W CM S SP	Fan oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
34	34.54	Fan Oscillations Propagation	0000032	2	Spot fan (2 Step - 0.33"; bottom)	0.50	1.17	SPAL			W CM S SP	Fan oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
34	34.58	Fan Oscillations Propagation	0000033	2	Spot fan (2 Step - 1"; middle)	0.50	0.64	SPAL			W CM S SP	Fan oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
34	34.63	Fan Oscillations Propagation	0000034	2	Spot fan (2 Step - 2"; middle)	0.50	0.64	SPAL			W CM S SP	Fan oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
34	34.68	Fan Oscillations Propagation	0000033	2	Spot fan (2 Step - 1"; bottom)	0.50	0.64	SPAL			W CM S SP	Fan oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
34	34.73	Fan Oscillations Propagation	0000034	2	Spot fan (2 Step - 2"; bottom)	0.50	0.64	SPAL			W CM S SP	Fan oscillations		Two-step raster C II Si IV Mg II h/k Mg II w
35	35.06	AR flare watch	2400010	10	AR likely to flare	8.00	0.00	90	Y	Daily	W FL S CM	Flare response of AR		Small (3") raster FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w AEC enabled
35	35.43	AR flare watch	2400311	20	AR likely to flare	8.00	0.94	90	Y	Daily	W FL S CM	Flare response of AR		Medium (6") raster FUV spectrally rebinned x 4 C II Mg II h/k Mg II w s AEC enabled
35	35.76	AR flare watch	2400026	10	AR likely to flare	8.00	0.00	90	Y	Daily	W FL S CM	Flare response of AR		Small raster FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w AEC enabled
36	36.15	AR flare watch	2400327	20	AR likely to flare	8.00	1.24	90	Y	Daily	W FL S CM	Flare response of AR		Medium raster FUV spectrally rebinned x 4 C II Mg II h/k Mg II w s AEC enabled
36	36.75	AR flare watch	2030328	60	AR likely to flare	8.00	6.30	90	Y	Daily	W FL S CM	Flare response of AR		Large raster Spatial x 1, Spectral x 8 C II Mg II h/k Mg II w s AEC enabled
36	36.79	CH Spicule Propagation	0000035	3	Limb (3 Step - 0.33"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
36	36.84	CH Spicule Propagation	0000035	3	Limb (3 Step - 0.33"; 5" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
36	36.86	CH Spicule Propagation	0204035	6	Limb (3 Step - 0.33"; 10" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
36	36.88	CH Spicule Propagation	0204035	6	Limb (3 Step - 0.33"; 5" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
36	36.93	CH Spicule Propagation	0000036	3	Limb (3 Step - 1"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
36	36.98	CH Spicule Propagation	0000036	3	Limb (3 Step - 1"; 5" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
36	37.00	CH Spicule Propagation	0204036	6	Limb (3 Step - 1"; 10" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
37	37.02	CH Spicule Propagation	0204036	6	Limb (3 Step - 1"; 5" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
37	37.07	CH Spicule Propagation	0000037	3	Limb (3 Step - 2"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
37	37.11	CH Spicule Propagation	0000037	3	Limb (3 Step - 2"; 5" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster C II Si IV Mg II h/k Mg II w
37	37.14	CH Spicule Propagation	0204037	6	Limb (3 Step - 2"; 10" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
37	37.16	CH Spicule Propagation	0204037	6	Limb (3 Step - 2"; 5" Above)	0.50	0.00	SPAL				Wave/Mass Transport in spicules (propagation)		Three-step raster Deep x 2 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
37	37.28	Flat Field	9000000	10,800	Disk Center	3.00	0.00			Semi-Daily	N/A	Flat-Fielding Detector Characterization		C II Si IV Mg II h/k Mg II w Flatfield and calibration
37	37.95	Full Disk PR Shots	0074325	180	Full disk mosaic 15x15 pointings	11.25	4.73			Every 3 days		Full disk mosaic		Very large raster Deep x 2 Spatial x 2, Spectral x 8 C II Mg II h/k Mg II w s
38	38.59	Limb to limb	0408030	1,000	Equator	5.00	10.44	90		Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
38	38.90	Limb to limb	0208031	400	Equator	2.00	5.38	90		Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
39	39.54	Limb to limb	0408030	1,000	Central Meridian	5.00	10.44			Weekly	IR W CB CM SW FE F SP	Center to Limb dense - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30", SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 4 C II Si IV Mg II h/k Mg II w
39	39.85	Limb to limb	0208031	400	Central Meridian	2.00	5.38			Weekly	IR W CB CM SW FE F SP	Center to Limb coarse - Proto. SYNOP Prog.	Hinode synoptic	Synoptic raster (30",SG) Full wavelength coverage, deep x4 FUV spectrally rebinned x 2 C II Si IV Mg II h/k Mg II w
39	39.90	Prominence Propagation	0000035	3	Limb (3 Step - 0.33"; 10" Above limb)	0.50	0.64	SPAL				Wave/Mass Transport in prominence		Three-step raster C II Si IV Mg II h/k Mg II w

OBS ID	Size + description	Step size	Cadence (s)
0			10800
10	Small (3") raster	dense (0.33")	10
11	Medium (6") raster	dense	20
12	Large (20") raster	dense	60
13	Very large (175") raster	dense	540
14	Small sit-and-stare	sns	1
15	Medium sit-and-stare	sns	1
16	Large sit-and-stare	sns	1
17	Very large sit-and-stare	sns	1
18	Small raster	sparse (1")	10
19	Medium raster	sparse	20
20	Large raster	sparse	60
21	Very large raster	sparse	180
22	Small raster	coarse (2")	10
23	Medium raster	coarse	20
24	Large raster	coarse	60
25	Very large raster	coarse	90
26	Small raster	sparse/dense/sparse	10
27	Medium raster	sparse/dense/sparse	20
28	Large raster	sparse/dense/sparse	60
29	Very large raster	sparse/dense/sparse	300
30	Synoptic raster (30", SG)	dense	100
31	Synoptic raster (30", SG)	sparse	40
32	Two-step raster	dense	2
33	Two-step raster	sparse (1")	2
34	Two-step raster	coarse (2")	2
35	Three-step raster	dense (0.33")	3
36	Three-step raster	sparse (1")	3
37	Three-step raster	coarse (2")	3

OBS ID	Size + description	Impact on cadence (>1 = slower)	Impact on SG datarate	Impact on SJI datarate
0	C II Si IV Mg II h/k Mg II w	1	1	1
100	C II Si IV Mg II h/k Mg II w s	1	1	0.791666666666667
200	C II Si IV Mg II w s	1	1	0.541666666666667
300	C II Mg II h/k Mg II w s	1	1	0.541666666666667
400	Si IV Mg II h/k Mg II w s	1	1	0.541666666666667
500	C II Mg II w s	1	1	0.291666666666667
600	Si IV Mg II w s	1	1	0.291666666666667
700	Mg II h/k Mg II w s	1	1	0.291666666666667
800	Si IV Mg II h/k Mg II w	1	1	0.75
900	C II Mg II h/k Mg II w	1	1	0.75
1000	Si IV Mg II h/k Mg II w	1	1	0.75
1100	C II Si IV Mg II h/k	1	1	0.75
1200	C II Si IV	1	1	0.5
1300	C II Mg II h/k	1	1	0.5
1400	Si IV Mg II h/k	1	1	0.5
1500	C II	1	1	0.25
1600	Si IV	1	1	0.25
1700	Mg II h/k	1	1	0.25
1800	Mg II w	1	1	0.25
1900	C II Si IV s Mg II h/k Mg II w s	1	1	0.583333333333333
0		1	1	1
2000	Full wavelength coverage	3	1.49761904761905	1
4000	Deep x 2	2	0.5	1
6000	Deep x 4	4	0.25	1
8000	Full wavelength coverage, deep x4	10	0.449285714285714	1
0		1	1	1
10000	Spatial x 1, Spectral x 2	1	0.5	1
20000	Spatial x 1, Spectral x 4	1	0.25	1
30000	Spatial x 1, Spectral x 8	1	0.125	1
40000	Spatial x 2, Spectral x 1	1	0.5	1
50000	Spatial x 2, Spectral x 2	1	0.25	1
60000	Spatial x 2, Spectral x 4	1	0.125	1
70000	Spatial x 2, Spectral x 8	1	0.0625	1
80000	Spatial x 4, Spectral x 1	1	0.25	1
90000	Spatial x 4, Spectral x 2	1	0.125	1
100000	Spatial x 4, Spectral x 4	1	0.0625	1
110000	Spatial x 4, Spectral x 8	1	0.03125	1
0		1	1	1
200000	FUV spectrally rebinned x 2	1	0.5	1
400000	FUV spectrally rebinned x 4	1	0.25	1
0		1	1	1
1000000	Lossless compression	1	1.5	1.5
2000000	AEC enabled	1	1.5	1.5
3000000	SJI cadence 2x faster	1	1	2
4000000	SJI cadence 4x faster	1	1	4
5000000	SJI cadence 10x faster	1	1	10
9000000	Flatfield and calibration	1	1	1

OBS ID	C II	Si IV	Mg II h/k	Mg II wing	Description	Average cadence [images/s]
0	10	10	10	10	C II Si IV Mg II h/k Mg II w	0.4
100	10	10	10	60	C II Si IV Mg II h/k Mg II w s	0.316666666666667
200	10	10	0	60	C II Si IV Mg II w s	0.216666666666667
300	10	0	10	60	C II Mg II h/k Mg II w s	0.216666666666667
400	0	10	10	60	Si IV Mg II h/k Mg II w s	0.216666666666667
500	10	0	0	60	C II Mg II w s	0.116666666666667
600	0	10	0	60	Si IV Mg II w s	0.116666666666667
700	0	0	10	60	Mg II h/k Mg II w s	0.116666666666667
800	0	10	10	10	Si IV Mg II h/k Mg II w	0.3
900	10	0	10	10	C II Mg II h/k Mg II w	0.3
1000	0	10	10	10	Si IV Mg II h/k Mg II w	0.3
1100	10	10	10	0	C II Si IV Mg II h/k	0.3
1200	10	10	0	0	C II Si IV	0.2
1300	10	0	10	0	C II Mg II h/k	0.2
1400	0	10	10	0	Si IV Mg II h/k	0.2
1500	10	0	0	0	C II	0.1
1600	0	10	0	0	Si IV	0.1
1700	0	0	10	0	Mg II h/k	0.1
1800	0	0	0	10	Mg II w	0.1
1900	10	60	10	60	C II Si IV s Mg II h/k Mg II w s	0.233333333333333
	C II	Si IV	Mg II h/k	Mg II w		

OBS ID	Size + description	Impact on cadence (>1 = slower)	Impact on SG datarate	Impact on SJI datarate
0	C II Si IV Mg II h/k Mg II w	1	1.00	1.00
100	C II Si IV Mg II h/k Mg II w s	1	1.00	0.79
200	C II Si IV Mg II w s	1	1.00	0.54
300	C II Mg II h/k Mg II w s	1	1.00	0.54
400	Si IV Mg II h/k Mg II w s	1	1.00	0.54
500	C II Mg II w s	1	1.00	0.29
600	Si IV Mg II w s	1	1.00	0.29
700	Mg II h/k Mg II w s	1	1.00	0.29
800	Si IV Mg II h/k Mg II w	1	1.00	0.75
900	C II Mg II h/k Mg II w	1	1.00	0.75
1000	Si IV Mg II h/k Mg II w	1	1.00	0.75
1100	C II Si IV Mg II h/k	1	1.00	0.75
1200	C II Si IV	1	1.00	0.50
1300	C II Mg II h/k	1	1.00	0.50
1400	Si IV Mg II h/k	1	1.00	0.50
1500	C II	1	1.00	0.25
1600	Si IV	1	1.00	0.25
1700	Mg II h/k	1	1.00	0.25
1800	Mg II w	1	1.00	0.25
1900	C II Si IV s Mg II h/k Mg II w s	1	1.00	0.58
2000	Full wavelength coverage	3	1.50	1.00
4000	Deep x 2	2	0.50	1.00
6000	Deep x 4	4	0.25	1.00
8000	Full wavelength coverage, deep x4	10	0.45	1.00
10000	Spatial x 1, Spectral x 2	1	0.50	1.00
20000	Spatial x 1, Spectral x 4	1	0.25	1.00
30000	Spatial x 1, Spectral x 8	1	0.13	1.00
40000	Spatial x 2, Spectral x 1	1	0.50	1.00
50000	Spatial x 2, Spectral x 2	1	0.25	1.00
60000	Spatial x 2, Spectral x 4	1	0.13	1.00
70000	Spatial x 2, Spectral x 8	1	0.06	1.00
80000	Spatial x 4, Spectral x 1	1	0.25	1.00
90000	Spatial x 4, Spectral x 2	1	0.13	1.00
100000	Spatial x 4, Spectral x 4	1	0.06	1.00
110000	Spatial x 4, Spectral x 8	1	0.03	1.00
200000	FUV spectrally rebinned x 2	1	0.50	1.00
400000	FUV spectrally rebinned x 4	1	0.25	1.00
1000000	Lossless compression	1	1.50	1.50
2000000	AEC enabled	1	1.50	1.50
3000000	SJI cadence 2x faster	1	1.00	2.00
4000000	SJI cadence 4x faster	1	1.00	4.00
5000000	SJI cadence 10x faster	1	1.00	10.00
9000000	Flatfield and calibration	1	1.00	1.00

OBS-ID	Spectral WL	Raster step	Raster FOV	Spectral cadence	SJI WL	SJI cad	SJI FOV	Description	Total Datarate (Mbit/s)
10	default	0.33"	3"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	Small dense raster	1.1
11	default	0.33"	6"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	Medium dense raster	2.3
12	default	0.33"	20"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	Large dense raster	5.3
13	default	0.33"	1	540s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Very large dense raster	8.0
14	default	0.33"	0.3"x30"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	Small sit-and-stare	2.1
15	default	0.33"	0.3"x60"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	Medium sit-and-stare	4.3
16	default	0.33"	0.3"x120"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	Large sit-and-stare	9.1
17	default	0.33"	0.3"x175"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Very large sit-and-stare	13.8
18	default	1"	9"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	Small sparse raster	1.1
19	default	1"	18"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	Medium sparse raster	2.3
20	default	1"	60"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	Large sparse raster	5.2

OBS-ID	Spectral WL	Raster step	Raster FOV	Spectral cadence	SJI WL	SJI cad	SJI FOV	Description	Total Datarate (Mbit/s)
21	default	1"	175"x175"	180s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Very large sparse raster	7.9
22	default	2"	18"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	Small coarse raster	1.1
23	default	2"	36"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	Medium coarse raster	2.3
24	default	2"	120"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	Large coarse raster	5.2
25	default	2"	175"x175"	90s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Very large coarse raster	8.0
26	default	1" 0.3" 1"	2"x30" 1.8"x30" 2"x30" t: 5.8"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	Small sparse/dense/sparse raster	1.1
27	default	1" 0.3" 1"	4"x60" 3.6"x60" 4"x60" t: 11.6"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	Medium sparse/dense/sparse raster	2.4
28	default	1" 0.3" 1"	12"x120" 12"x120" 12"x120" t: 36"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	Large sparse/dense/sparse raster	5.1
29	default	1" 0.3" 1"	60"x175" 60"x175" 60"x175" t:180"x175"	300s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Very large sparse/dense/sparse raster	13.1
30	default	0.33"	35"x175"	100s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Synoptic dense raster	8.5
31	default	1"	35"x175"	40s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	Synoptic sparse raster	7.4
32	default	0.33"	0.66"x50"	2s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	Two-step dense raster	2.8
33	default	1"	1"x50"	2s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	Two-step sparse raster	1.9

OBS-ID	Spectral WL	Raster step	Raster FOV	Spectral cadence	SJI WL	SJI cad	SJI FOV	Description	Total Datarate (Mbit/s)
34	default	2"	2"x50"	2s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	Two-step coarse raster	1.9
35	default	0.33"	0.66"x50"	3s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	Three-step dense raster	1.9
36	default	1"	2"x50"	3s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	Three-step sparse raster	1.9
37	default	2"	4"x50"	3s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	Three-step coarse raster	1.9

OBS-ID	Spectral WL	Raster step	Raster FOV	Spectral cadence	SJI WL	SJI cad	SJI FOV	SJI Datarate	SG datarate	Total datarate
10	default	0.33"	3"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	0.05184	1.01716363636364	1.06900363636364
11	default	0.33"	6"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	0.20736	1.93352727272727	2.14088727272727
12	default	0.33"	20"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	0.82944	4.13992727272727	4.96936727272727
13	default	0.33"	175"x175"	540s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	5.78529966329966	7.54929966329966

OBS-ID	Spectral WL	Raster step	Raster FOV	Spectral cadence	SJI WL	SJI cad	SJI FOV	SJI Datarate	SG datarate	Total datarate
14	default	0.33"	0.3"x30"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	0.05184	1.92436363636364	1.97620363636364
15	default	0.33"	0.3"x60"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	0.20736	3.84872727272727	4.05608727272727
16	default	0.33"	0.3"x120"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	0.82944	7.69745454545455	8.52689454545455
17	default	0.33"	0.3"x175"	1s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	11.2254545454545	12.9894545454545
18	default	1"	9"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	0.05184	1.008	1.05984
19	default	1"	18"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	0.20736	1.9152	2.12256
20	default	1"	60"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	0.82944	4.0992	4.92864
21	default	1"	175"x175"	180s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	5.74933333333333	7.51333333333333
22	default	2"	18"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	0.05184	1.008	1.05984
23	default	2"	36"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	0.20736	1.9152	2.12256
24	default	2"	120"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	0.82944	4.0992	4.92864
25	default	2"	175"x175"	90s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	5.782	7.546
26	default	1" 0.3" 1"	2"x30" 1.8"x30" 2"x30" t: 5.8"x30"	10s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	30"x30"	0.05184	1.008	1.05984

OBS-ID	Spectral WL	Raster step	Raster FOV	Spectral cadence	SJI WL	SJI cad	SJI FOV	SJI Datarate	SG datarate	Total datarate
27	default	1" 0.3" 1"	4"x60" 3.6"x60" 4"x60" t: 11.6"x60"	20s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	60"x60"	0.20736	2.016	2.22336
28	default	1" 0.3" 1"	12"x120" 12"x120" 12"x120" t: 36"x120"	60s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	120"x120"	0.82944	4.032	4.86144
29	default	1" 0.3" 1"	60"x175" 60"x175" 60"x175" t:180"x175"	300s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	10.584	12.348
30	default	0.33"	35"x175"	100s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	6.29516363636364	8.05916363636364
31	default	1"	35"x175"	40s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	175"x175"	1.764	5.292	7.056
32	default	0.33"	0.66"x50"	2s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	0.144	2.52	2.664
33	default	1"	1"x50"	2s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	0.144	1.68	1.824
34	default	2"	2"x50"	2s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	0.144	1.68	1.824
35	default	0.33"	0.66"x50"	3s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	0.144	1.68	1.824
36	default	1"	2"x50"	3s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	0.144	1.68	1.824
37	default	2"	4"x50"	3s	C II Si IV Mg II h/k Mg II wing	10s 10s 10s 10s	50"x50"	0.144	1.68	1.824

