

Telescope	ESO 360
Year	2008
Period	(All)

Instrument	Data	Month												Grand Total	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
CES	Offered Science Time [hrs]														
	Technical Test Time														
	Shutter Time														
	Down Time														
	Bad Weather														
	Service Mode														
EFOSC II	Offered Science Time [hrs]	28.6	0.0	40.6											69.2
	Technical Test Time	14.3	16.1	30.8											61.1
	Shutter Time	23.8	0.0	23.1											46.9
	Down Time	0.0	0.0	2.5											2.5
	Bad Weather	7.0	0.0	12.0											19.0
	Service Mode	0.0	0.0	0.0											0.0
HARPS	Offered Science Time [hrs]	72.0	104.2	186.1	286.2	329.1	307.7	302.5	285.8	263.1	243.7	215.0	192.6		2787.9
	Technical Test Time	14.4	21.2	25.5	13.8	0.0	18.8	30.2	30.5	19.1	17.3	7.5	20.0		218.2
	Shutter Time	66.1	71.8	159.9	181.4	187.9	212.7	228.6	147.2	174.7	201.0	185.1	192.2		2008.7
	Down Time	0.0	0.4	0.5	8.9	3.3	0.8	1.3	0.4	1.6	1.5	3.9	0.0		22.6
	Bad Weather	11.1	11.1	4.2	26.3	65.3	59.2	60.9	23.5	73.3	2.3	3.2	0.0		340.3
	Service Mode	7.4	20.2	10.8	15.7	10.7	3.0	12.7	20.8	73.1	0.0	0.0	7.2		181.5
SPECIAL	Offered Science Time [hrs]	78.5	93.8												172.3
	Technical Test Time	15.0	0.0												15.0
	Shutter Time	76.8	75.5												152.2
	Down Time	0.0	1.2												1.2
	Bad Weather	8.2	9.2												17.4
	Service Mode	0.0	0.0												0.0
TIMMI 2	Offered Science Time [hrs]														
	Technical Test Time														
	Shutter Time														
	Down Time														
	Bad Weather														
	Service Mode														
(blank)	Offered Science Time [hrs]														
	Technical Test Time														
	Shutter Time														
	Down Time														
	Bad Weather														
	Service Mode														
Total Offered Science Time [hrs]		179.1	198.0	226.7	286.2	329.1	307.7	302.5	285.8	263.1	243.7	215.0	192.6		3029.4
Total Technical Test Time		43.6	37.3	56.2	13.8	0.0	18.8	30.2	30.5	19.1	17.3	7.5	20.0		294.2
Total Shutter Time		166.7	147.3	183.0	181.4	187.9	212.7	228.6	147.2	174.7	201.0	185.1	192.2		2207.8
Total Down Time		0.0	1.6	3.0	8.9	3.3	0.8	1.3	0.4	1.6	1.5	3.9	0.0		26.4
Total Bad Weather		26.2	20.4	16.1	26.3	65.3	59.2	60.9	23.5	73.3	2.3	3.2	0.0		376.7
Total Service Mode		7.4	20.2	10.8	15.7	10.7	3.0	12.7	20.8	73.1	0.0	0.0	7.2		181.5
Total Offered Time [hrs]		222.7	235.3	282.9	300.0	329.1	326.5	332.7	316.3	282.2	261.0	222.4	212.6		3323.7
Total Engineering Time [%]		19.6	15.8	19.9	4.6	0.0	5.8	9.1	9.6	6.8	6.6	3.4	9.4		8.9
Total Science Time [%]		80.4	84.2	80.1	95.4	100.0	94.2	90.9	90.4	93.2	93.4	96.6	90.6		91.1
Total Shutter Time		93.1	74.4	80.7	63.4	57.1	69.1	75.6	51.5	68.4	82.5	86.1	99.8		72.9
Total Down Time		0.0	0.8	1.3	3.1	1.0	0.3	0.4	0.1	0.6	0.6	1.8	0.0		0.9
Total Bad Weather		11.8	8.7	5.7	8.8	19.8	18.1	18.3	7.4	26.0	0.9	1.4	0.0		11.3
Total Service Mode		4.1	10.2	4.8	5.5	3.3	1.0	4.2	7.3	27.8	0.0	0.0	3.7		6.0
Total HARPS [%]		38.8	53.3	74.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		90.4
Total EFOSC II [%]		19.2	6.8	25.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		3.9
Total CES [%]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
Total SPECIAL [%]		42.0	39.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		5.6
Total TIMMI2 [%]		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0

Telescope	ESO NTT
Year	2008
Period	(All)

Instrument	Data	Month												Grand Total	
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
EFOSC	Offered Science Time [hrs]				25.4	185.7	180.4	151.2	198.2	144.3	180.2	137.9	89.7		1292.8
	Technical Test Time				170.2	23.2	36.0	30.1	17.6	10.3	7.3	12.1	19.4		326.2
	Shutter Time				8.5	77.0	166.4	94.7	118.2	40.7	127.3	92.6	76.0		801.4
	Down Time				0.0	0.0	2.3	0.0	0.4	5.2	1.4	2.0	1.1		12.4
	Bad Weather				25.6	42.2	29.7	23.1	15.5	81.7	1.4	0.0	0.0		219.1
	Service Mode				0.0	0.0	2.0	1.8	11.8	1.5	2.0	0.0	0.0		19.1
EMMI	Offered Science Time [hrs]	100.8	75.6	90.3											286.7
	Technical Test Time	7.3	5.2	23.5											36.0
	Shutter Time	60.4	46.4	54.9											161.7
	Down Time	1.7	0.0	1.8											3.5
	Bad Weather	9.2	14.9	2.8											26.9
	Service Mode	14.2	16.3	13.2											43.8
SOFI	Offered Science Time [hrs]	51.0	28.9	106.2	39.6	120.3	69.7	85.2	103.0	94.8	45.1	2.0	68.7		814.4
	Technical Test Time	20.5	19.4	1.1	64.8	0.0	7.6	10.2	7.6	7.5	10.5	6.4	14.1		169.7
	Shutter Time	19.7	19.8	53.5	24.5	52.8	46.6	40.4	35.5	66.8	35.0	2.3	55.8		452.6
	Down Time	0.2	0.3	0.0	0.0	1.6	0.0	1.2	0.0	0.1	0.0	0.0	0.5		3.8
	Bad Weather	22.2	0.0	14.5	0.0	26.9	0.1	23.6	40.1	2.3	0.3	0.0	0.0		129.9
	Service Mode	0.0	2.4	3.6	0.0	3.0	0.0	0.0	0.0	3.9	6.2	0.0	0.5		19.6
SPECIAL	Offered Science Time [hrs]		70.7					64.1				67.5			202.3
	Technical Test Time		20.5					0.0				4.1			24.6
	Shutter Time		58.4					18.6				44.3			121.2
	Down Time		0.0					0.0				0.0			0.0
	Bad Weather		5.7					45.5				4.2			55.4
	Service Mode		0.0					0.0				0.0			0.0
SUSI 2	Offered Science Time [hrs]	41.8	4.2	71.0				0.0		25.2	20.0		20.5		182.6
	Technical Test Time	0.0	8.7	0.0				13.3		0.0	0.0		0.0		21.9
	Shutter Time	18.4	4.7	37.1				0.0		7.6	15.5		14.7		98.1
	Down Time	0.0	0.0	4.9				0.0		0.0	0.0		0.0		4.9

SUSI 2	Bad Weather	21.0	1.5	6.6				7.0		15.9	0.0		0.0		51.9
	Service Mode	0.0	4.2	4.0				0.0		0.0	0.0		0.0		8.2
	Total Offered Science Time [hrs]	193.5	179.3	267.5	65.0	305.9	250.1	300.4	301.1	264.3	245.3	207.4	178.9	2758.7	
	Total Technical Test Time	27.7	53.8	24.6	235.0	23.2	43.6	53.6	25.2	17.8	17.8	22.7	33.6	578.5	
	Total Shutter Time	98.5	129.3	145.5	33.0	129.8	212.9	153.6	153.7	115.1	177.9	139.2	146.6	1635.0	
	Total Down Time	1.9	0.3	6.6	0.0	1.6	2.3	1.2	0.4	5.4	1.4	2.0	1.6	24.6	
	Total Bad Weather	52.3	22.1	23.9	25.6	69.1	29.8	99.2	55.6	99.8	1.7	4.2	0.0	483.2	
	Total Service Mode	14.2	23.0	20.8	0.0	3.0	2.0	1.8	11.8	5.4	8.2	0.0	0.5	90.7	
	Total Offered Time [hrs]	221.2	233.1	292.1	300.0	329.1	293.7	354.0	326.3	282.2	263.0	230.0	212.4	3337.2	
	Total Engineering Time [%]	12.5	23.1	8.4	78.3	7.1	14.8	15.1	7.7	8.3	6.8	9.8	15.8	17.3	
	Total Science Time [%]	87.5	76.9	91.6	21.7	92.9	85.2	84.9	92.3	93.7	93.2	90.2	84.2	82.7	
	Total Shutter Time	50.9	72.1	54.4	50.8	42.4	85.1	51.1	51.0	43.5	72.5	67.1	82.0	59.3	
	Total Down Time	1.0	0.1	2.5	0.0	0.3	0.9	0.4	0.1	2.0	0.6	1.0	0.9	0.9	
	Total Bad Weather	23.7	9.5	8.2	8.5	21.0	10.1	28.0	17.0	35.4	0.7	1.8	0.0	14.5	
	Total Service Mode	7.4	12.8	7.8	0.0	1.0	0.8	0.6	3.9	2.0	3.3	0.0	0.3	3.3	
	Total SOFI [%]	32.3	20.7	36.7	34.8	36.5	26.3	26.9	33.9	36.3	21.1	3.7	39.0	29.5	
	Total EFOSC [%]	0.0	0.0	0.0	65.2	63.5	73.7	51.2	66.1	54.8	71.3	65.2	51.4	48.5	
	Total SPECIAL [%]	0.0	39.1	0.0	0.0	0.0	0.0	18.1	0.0	0.0	0.0	31.1	0.0	6.8	
	Total EMMI [%]	48.8	34.7	39.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.1	
	Total SUSI2 [%]	18.9	5.5	24.3	0.0	0.0	0.0	3.7	0.0	8.9	7.6	0.0	9.6	6.1	
Telescope	ESO/MPI 220														
Year	2008														
Period	(All)														

Instrument	Data	Month												Grand Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
FEROS	Offered Science Time [hrs]	64.2	84.8	87.4	143.9	144.1	124.0	142.7	139.1	8.8	110.2	69.7	79.2	1198.0
	Technical Test Time	0.0	0.3	14.9	0.8	9.6	0.0	16.9	0.0	0.0	1.3	2.0	5.7	51.5
	Shutter Time	50.5	55.1	65.5	89.4	81.8	70.8	66.9	96.1	2.3	88.1	59.0	68.7	794.0
	Down Time	0.0	1.3	3.8	15.7	0.3	0.8	7.3	0.9	0.0	3.4	1.5	0.0	35.1
	Bad Weather	9.2	8.3	6.6	5.0	43.9	40.2	62.1	13.7	5.5	0.0	3.2	0.0	197.6
	Service Mode	4.9	0.0	32.3	0.7	0.0	0.0	27.4	0.0	0.0	0.0	0.0	0.0	65.2
GROND	Offered Science Time [hrs]	80.2	37.6	21.5	71.0	102.2	119.9	38.6	35.1	117.2	43.4	54.7	26.5	748.0
	Technical Test Time	0.0	0.6	5.2	0.0	2.1	0.5	4.7	2.6	0.0	0.0	0.0	1.6	17.3
	Shutter Time	56.5	26.4	15.5	58.8	90.0	118.5	42.2	32.2	102.6	43.0	53.9	26.5	666.3
	Down Time	3.7	1.3	0.0	1.3	3.3	1.3	0.0	0.0	1.0	0.0	0.0	0.0	11.9
	Bad Weather	19.1	0.0	4.1	10.6	0.9	0.0	0.0	0.0	13.6	0.4	0.0	0.0	48.7
	Service Mode	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	0.0	2.5
WFI	Offered Science Time [hrs]	71.3	89.2	116.9	77.9	60.2	69.6	113.3	112.8	156.1	95.2	89.0	44.6	1096.0
	Technical Test Time	7.0	22.9	26.3	6.5	2.1	7.4	15.8	26.7	0.0	10.9	6.9	48.1	180.4
	Shutter Time	26.9	42.0	40.9	33.5	23.9	35.3	70.2	43.9	59.5	45.5	54.0	34.7	510.4
	Down Time	0.7	1.3	5.3	5.4	1.2	0.8	2.3	1.6	1.9	11.8	2.0	0.3	34.4
	Bad Weather	22.0	14.2	18.3	10.3	8.6	19.1	13.3	41.7	57.6	3.7	0.0	0.0	208.7
	Service Mode	2.2	0.0	11.1	0.0	0.0	0.0	37.9	10.5	35.5	0.0	0.0	0.0	97.2
(blank)	Offered Science Time [hrs]													
	Technical Test Time													
	Shutter Time													
	Down Time													
	Bad Weather													
	Service Mode													
	Total Offered Science Time [hrs]	215.7	211.5	225.8	292.7	306.5	313.6	294.6	287.0	282.2	248.8	213.4	150.4	3042.0
	Total Technical Test Time	7.0	23.8	46.4	7.3	13.8	7.9	37.3	29.3	0.0	12.2	8.9	55.4	249.2
	Total Shutter Time	133.9	123.6	121.8	181.7	195.8	224.7	179.3	172.1	164.4	176.5	167.0	129.9	1970.7
	Total Down Time	4.4	3.9	9.1	22.5	4.7	3.0	9.6	2.5	2.8	15.2	3.5	0.3	81.4
	Total Bad Weather	50.3	22.5	29.0	25.9	53.4	59.3	75.4	55.3	76.7	4.1	3.2	0.0	455.0
	Total Service Mode	7.1	0.0	43.4	0.7	0.0	0.0	65.3	10.5	35.5	2.5	0.0	0.0	164.9
	Total Offered Time [hrs]	222.7	235.3	272.2	300.0	320.3	321.4	331.9	316.3	282.2	261.0	222.3	205.8	3291.2
	Total Engineering Time [%]	3.1	10.1	17.1	2.4	4.3	2.4	11.2	9.2	0.0	4.7	4.0	26.9	7.6
	Total Science Time [%]	96.9	89.9	82.9	97.6	95.7	97.6	88.8	90.8	100.0	95.3	96.0	73.1	92.4
	Total Shutter Time	62.1	58.4	54.0	62.1	63.9	71.7	60.9	60.0	58.3	70.9	78.2	86.4	64.8
	Total Down Time	2.0	1.8	4.0	7.7	1.5	0.9	3.3	0.9	1.0	6.1	1.6	0.2	2.7
	Total Bad Weather	22.6	9.6	10.6	8.6	16.7	18.5	22.7	17.5	27.2	1.6	1.4	0.0	13.8
	Total Service Mode	3.3	0.0	19.2	0.2	0.0	0.0	22.2	3.7	12.6	1.0	0.0	0.0	5.4
	Total FEROS [%]	28.8	36.1	37.6	48.2	48.0	38.6	48.1	44.0	3.1	42.7	32.2	41.3	38.0
	Total WFI [%]	35.1	47.6	52.6	28.1	19.4	23.9	38.9	44.1	55.3	40.7	43.1	45.0	38.8
	Total GROND [%]	36.0	16.2	9.8	23.7	32.6	37.5	13.1	11.9	41.6	16.6	24.6	13.7	23.3