

V&V Reference Report

L2 ASCDS Version : 10.3.1

Observation 16611 - L2 Version 1
Chandra X-Ray Center

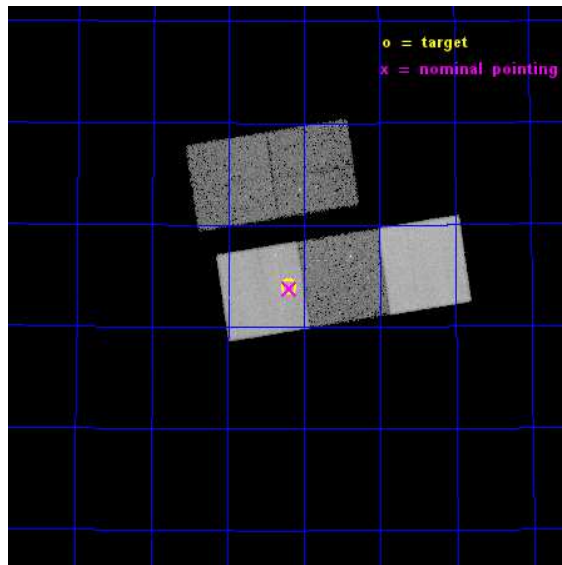
L2 Processing Date : Jan 5 2015

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1 Front

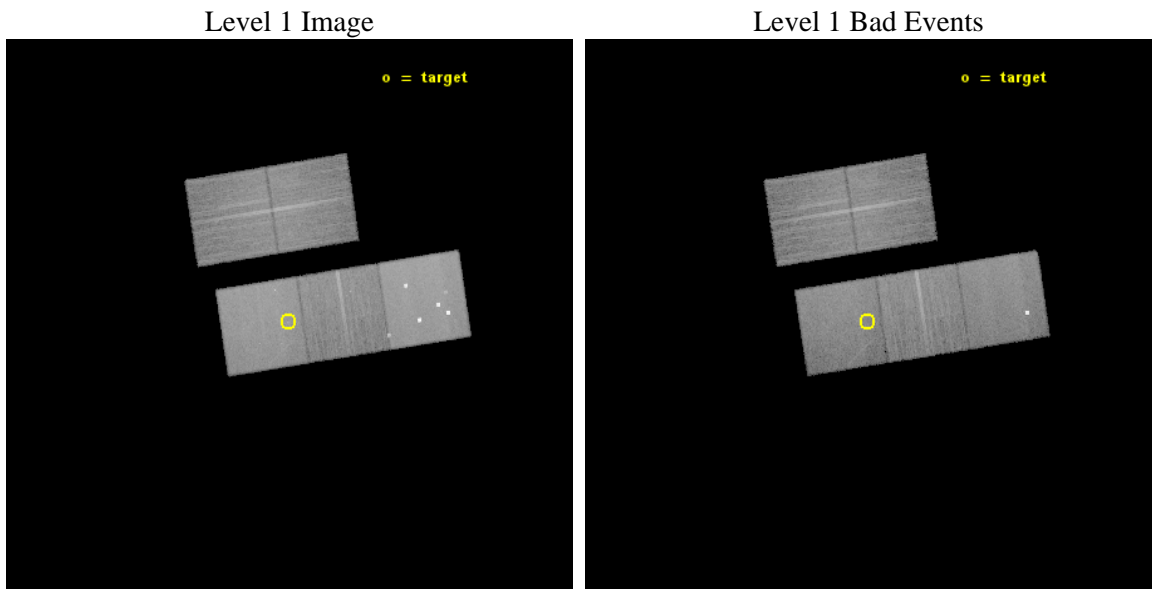
seq_num	901129	Sequence number
obs_id	16611	Observation id
title	Exploring low stellar mass galaxies in large dark matter halos	Pro
observer	Dr. Stephen Murray	Principal investigator
object	UGC03816	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	110.801667	Observer's specified target RA [deg]
dec_targ	58.064778	Observer's specified target Dec [deg]
ra_nom	110.79771327428	Nominal RA [deg]
dec_nom	58.062470106067	Nominal Dec [deg]
roll_nom	171.17428510671	Nominal Roll [deg]
revision	1	Processing version of data
ontime	32068.607017338	Sum of GTIs [s]
livetime	31649.607058092	Livetime [s]
ontime2	32065.301926494	Sum of GTIs [s]
ontime3	32062.201836586	Sum of GTIs [s]
ontime5	32068.565977335	Sum of GTIs [s]
ontime6	32068.524937332	Sum of GTIs [s]
ontime7	32068.607017338	Sum of GTIs [s]
l2events	251348	Number of level 2 events



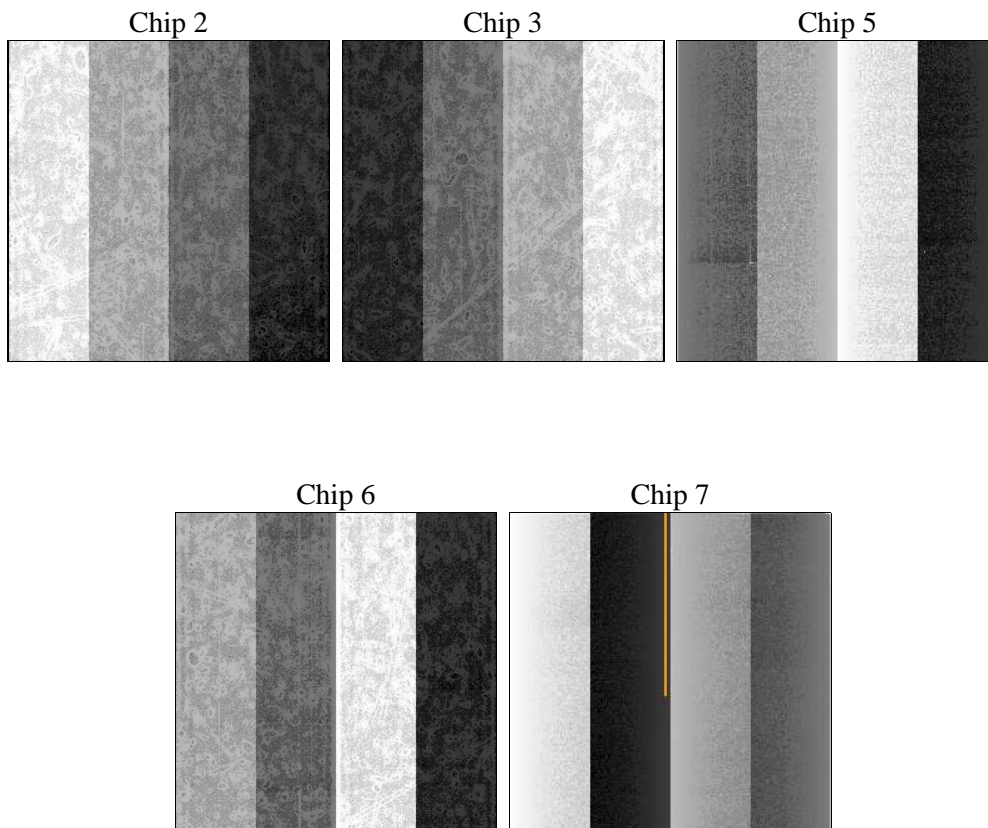
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	32000.000000	[s] Scheduled observation exposure time
ascdsver	10.3.1	Processing system revision	ontime	32068.607017338	Sum of GTIs [s]
caldbver	4.6.5	 	ontime2	32065.301926494	Sum of GTIs [s]
date	2015-01-05T15:25:56	Date and time of file creation	ontime3	32062.201836586	Sum of GTIs [s]
revision	1	Processing version of data	ontime5	32068.565977335	Sum of GTIs [s]
			ontime6	32068.524937332	Sum of GTIs [s]
			ontime7	32068.607017338	Sum of GTIs [s]
			l1events	951323	Number of level 1 events

2.1.4 Events

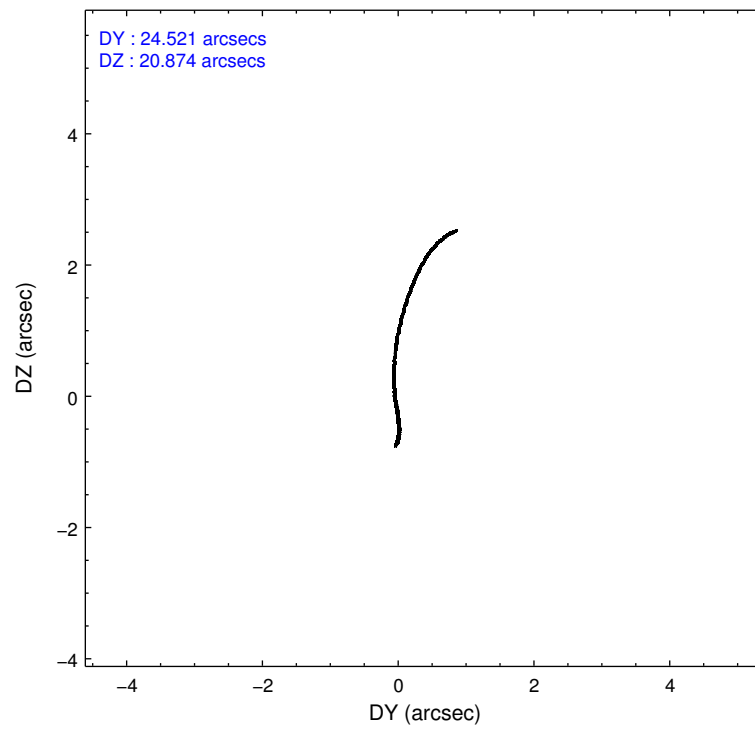
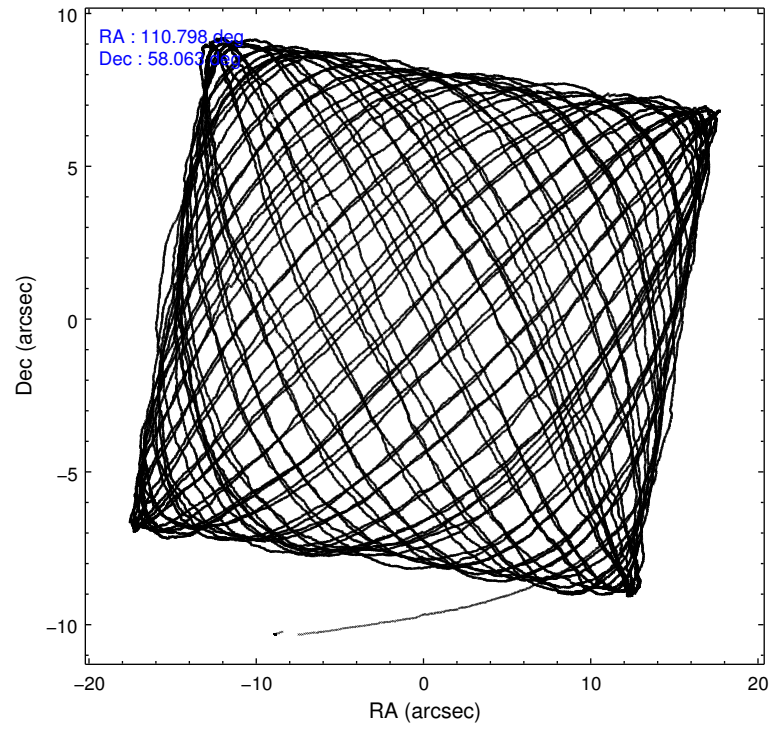
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	147221	144085	289481	156556	213980
rejected events	130097	127740	143001	137628	121287
rejected %	88%	88%	49%	87%	56%

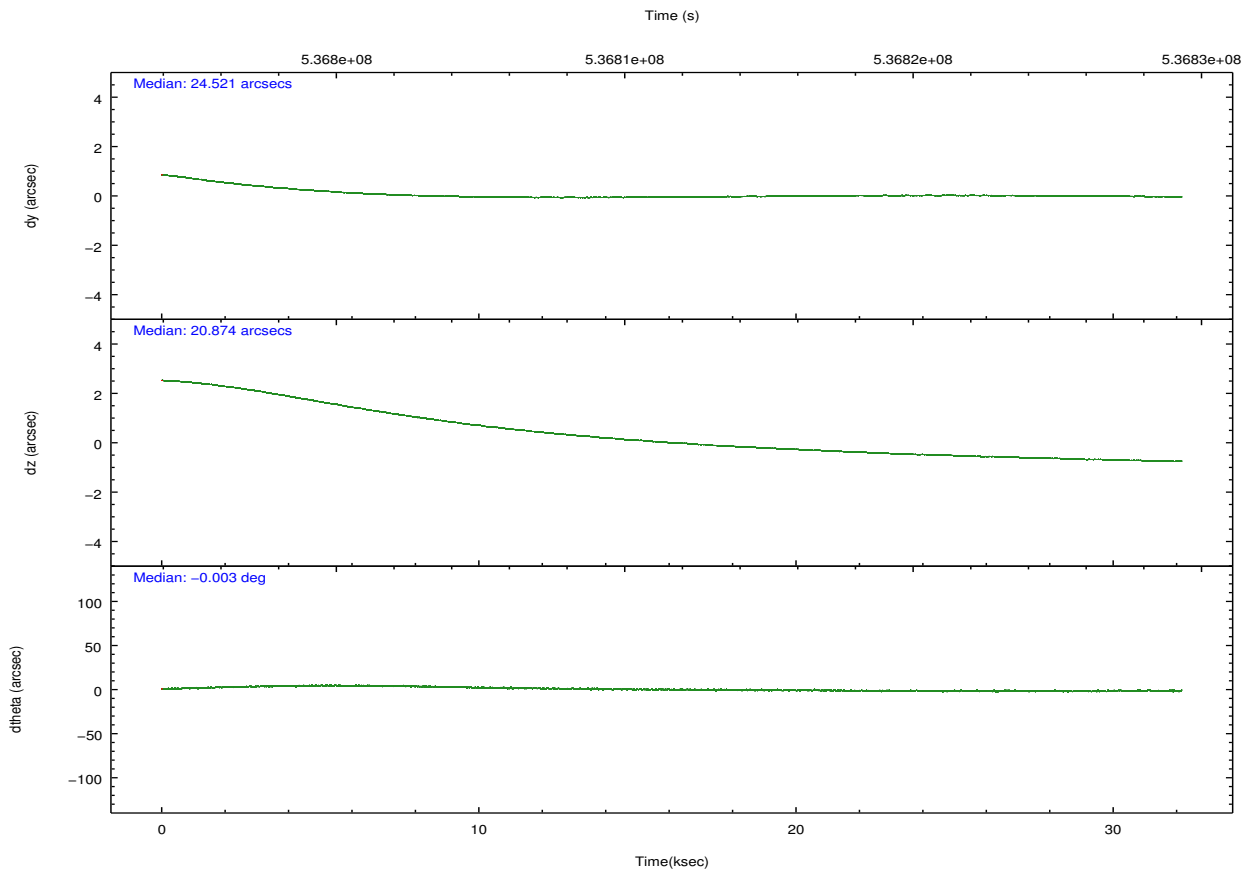
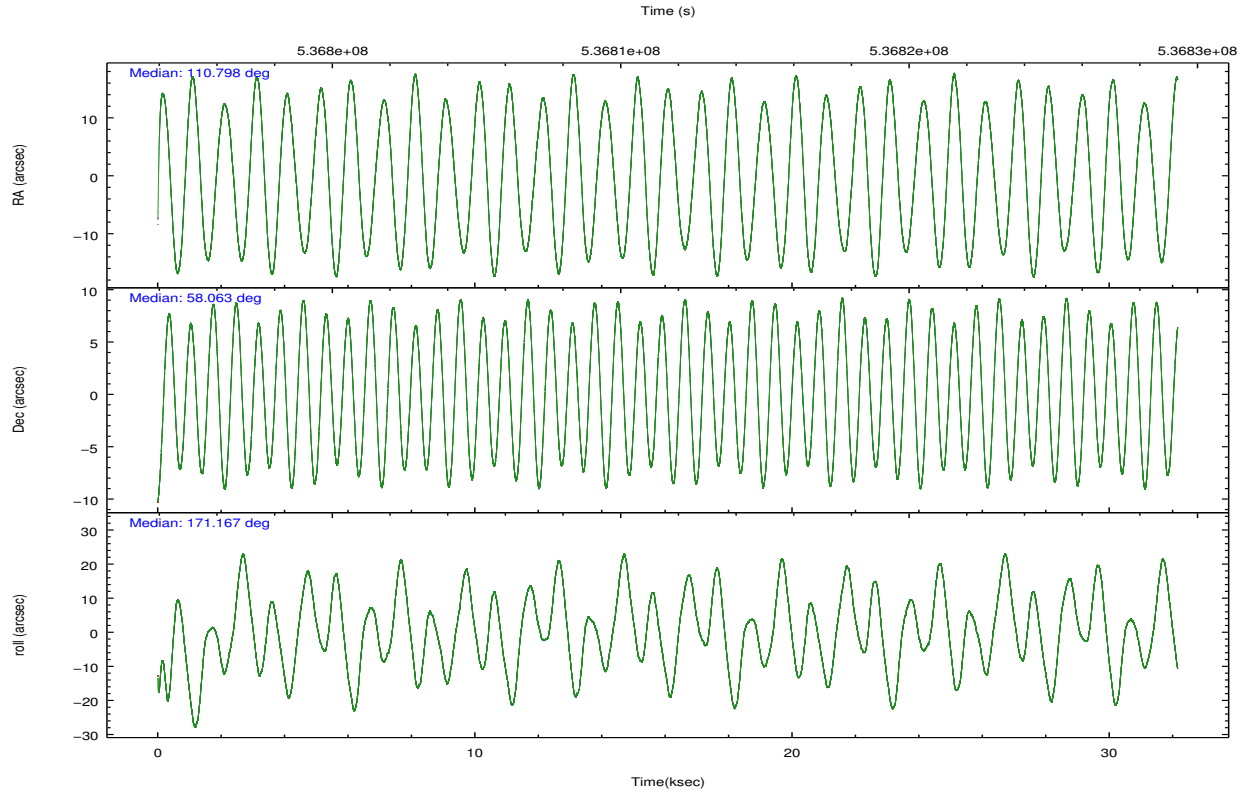
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	6018	5528	32267	6546	8200
	4%	3%	11%	4%	3%
grade 1 events	83	66	502	68	259
	0%	0%	0%	0%	0%
grade 2 events	4178	3748	39218	4340	19269
	2%	2%	13%	2%	9%
grade 3 events	1786	1754	4222	1898	7861
	1%	1%	1%	1%	3%
grade 4 events	1794	1788	4006	1839	7626
	1%	1%	1%	1%	3%
grade 5 events	6834	8160	18576	8202	21667
	4%	5%	6%	5%	10%
grade 6 events	3351	3529	66784	4306	49741
	2%	2%	23%	2%	23%
grade 7 events	123177	119512	123906	129357	99357
	83%	82%	42%	82%	46%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	110.845852	110.7977132742773	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.072719	58.06247010606737	Alternating exposures requested	N	N
[deg] Pointing Roll	170.976814	171.1742851067088	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	536795713.184000	536794397.92074			
Observation start date	2015-01-04T21:54:06	2015-01-04T21:33:17			
[s] Observation end time (MET)	536827713.184000	536828257.77263			
Observation end date	2015-01-05T06:47:26	2015-01-05T06:57:37			
Read mode	TIMED	TIMED			

2.3 Aspect





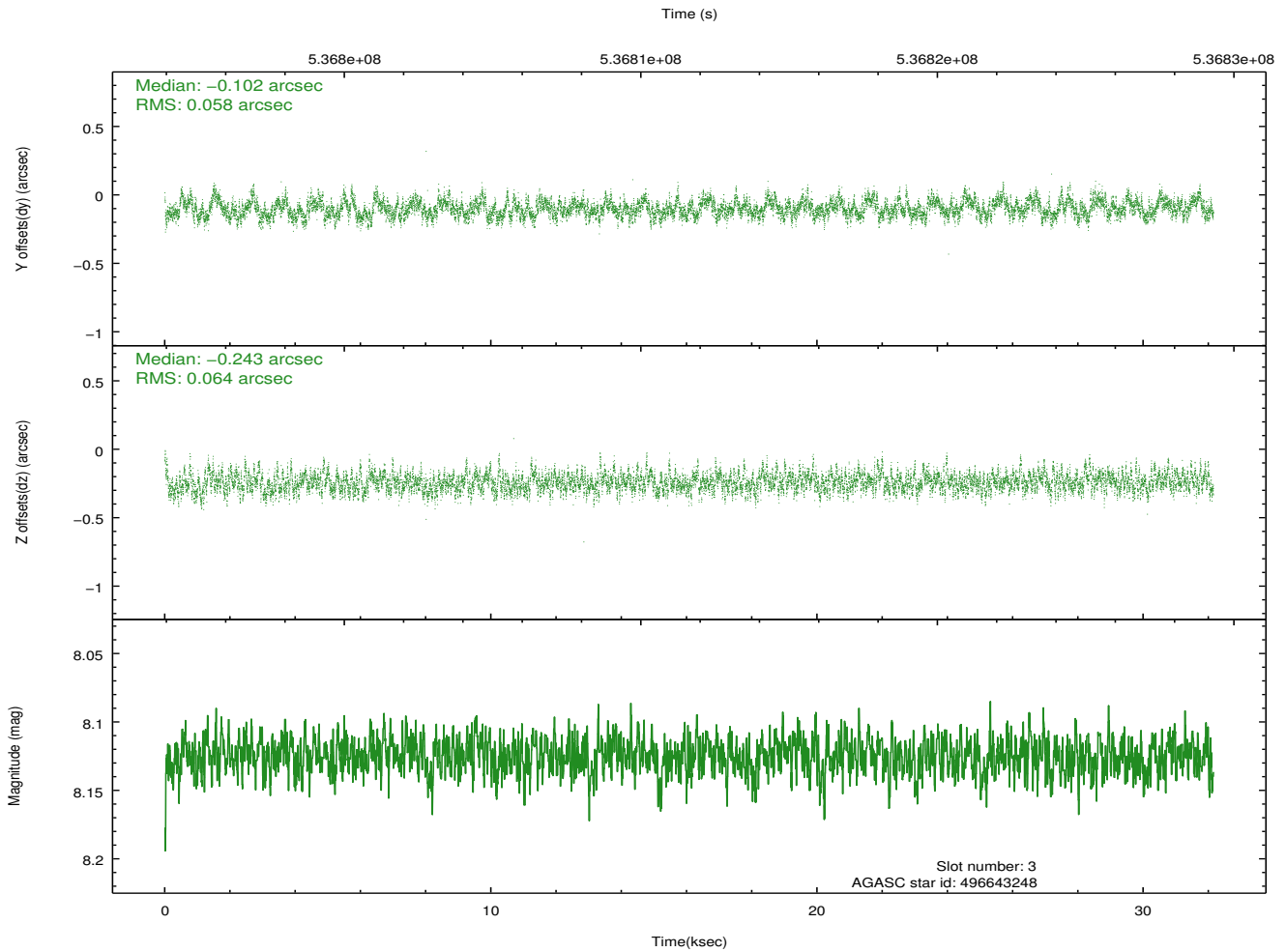
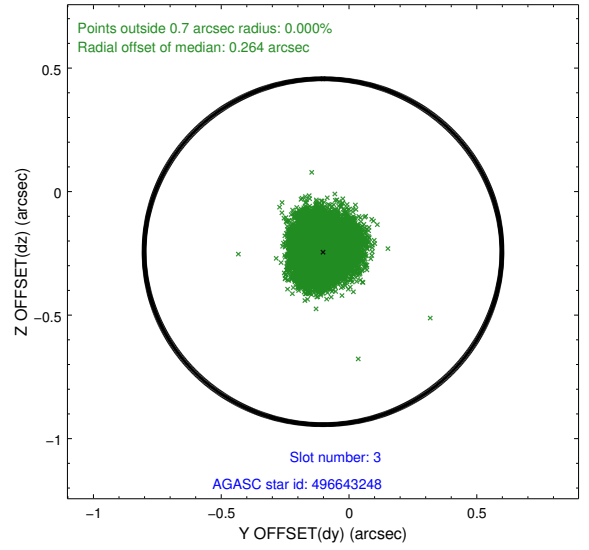
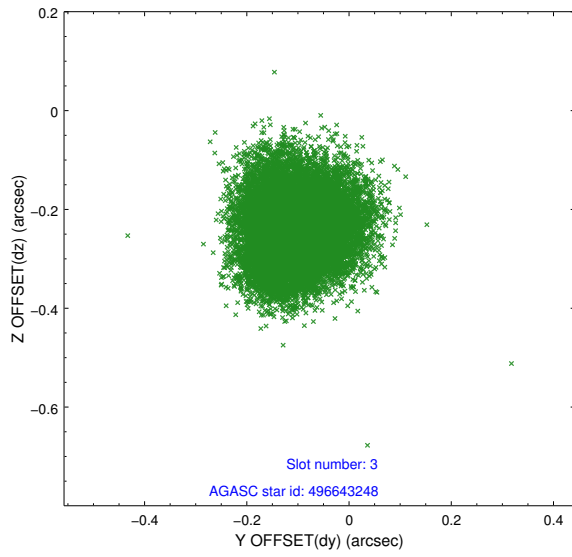
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.99	7842	-0.181	-0.044	0.022	0.046	0.000000	0.000000	-778.04	-1742.75
1	FID		ACIS-S-4	7.08	7842	0.360	0.101	0.011	0.018	0.000000	0.000000	2135.79	165.76
2	FID		ACIS-S-5	7.09	7842	-0.209	-0.048	0.019	0.044	0.000000	0.000000	-1830.80	159.44
3	GUIDE	used	496643248	8.13	15680	-0.102	-0.243	0.092	0.146	110.920928	57.577203	-422.64	1739.65
4	GUIDE	used	496645768	9.74	15665	-0.058	-0.108	0.150	0.242	111.328688	57.410309	-1298.64	2204.67
5	GUIDE	used	497170216	9.53	15670	0.193	0.472	0.170	0.270	111.623561	58.338341	-1299.49	-1182.53
6	GUIDE	used	497170448	8.88	15674	0.110	0.154	0.128	0.202	111.293308	58.320261	-694.78	-1015.30
7	GUIDE	used	496648968	9.50	15663	-0.151	-0.287	0.140	0.228	110.122596	57.760130	1196.48	1321.98

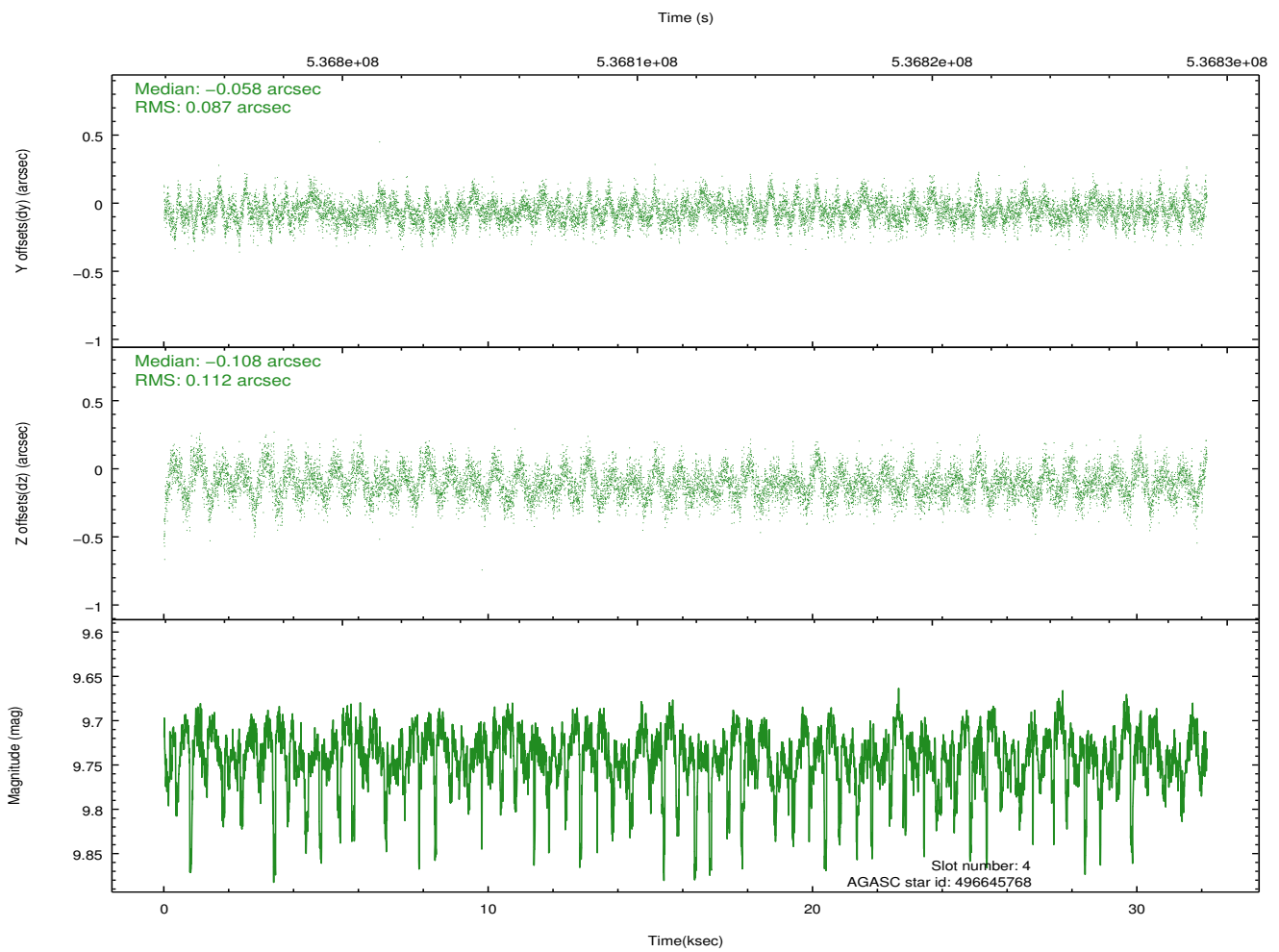
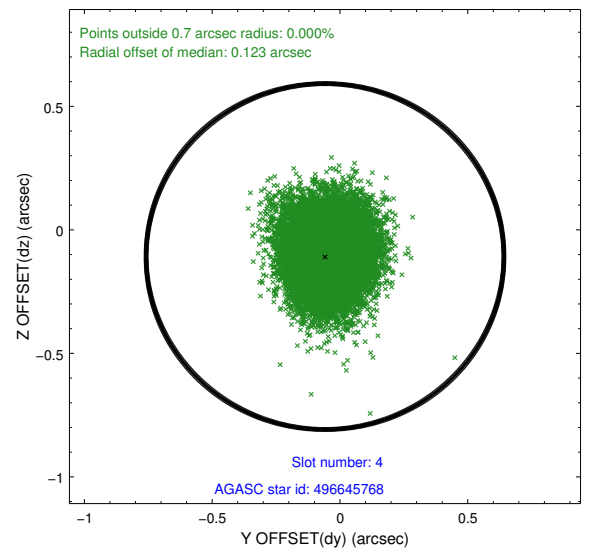
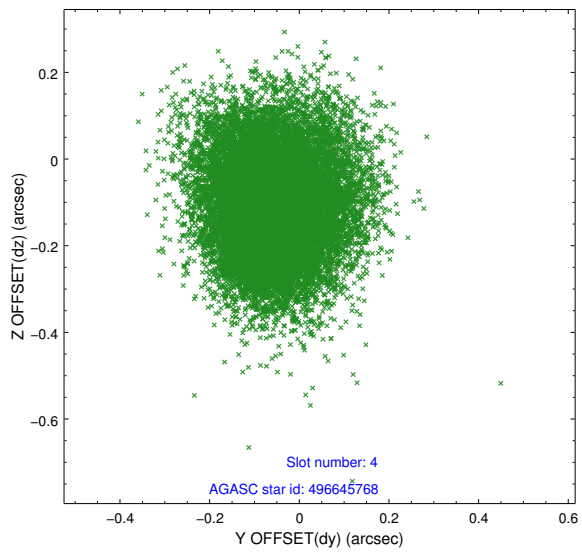
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2.4 Star Slots

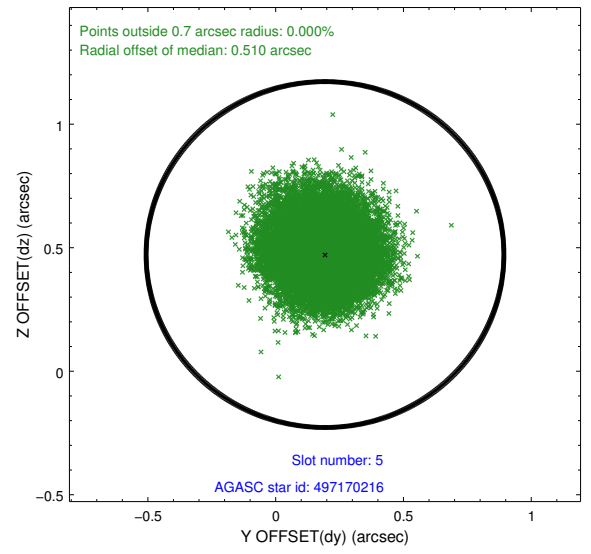
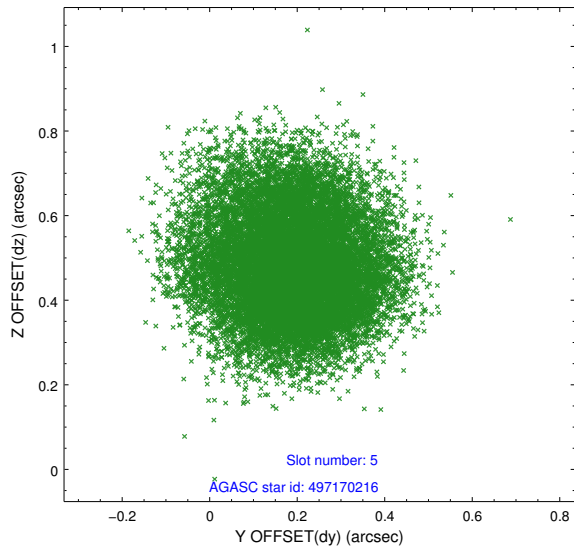
2.4.1 Slot 3



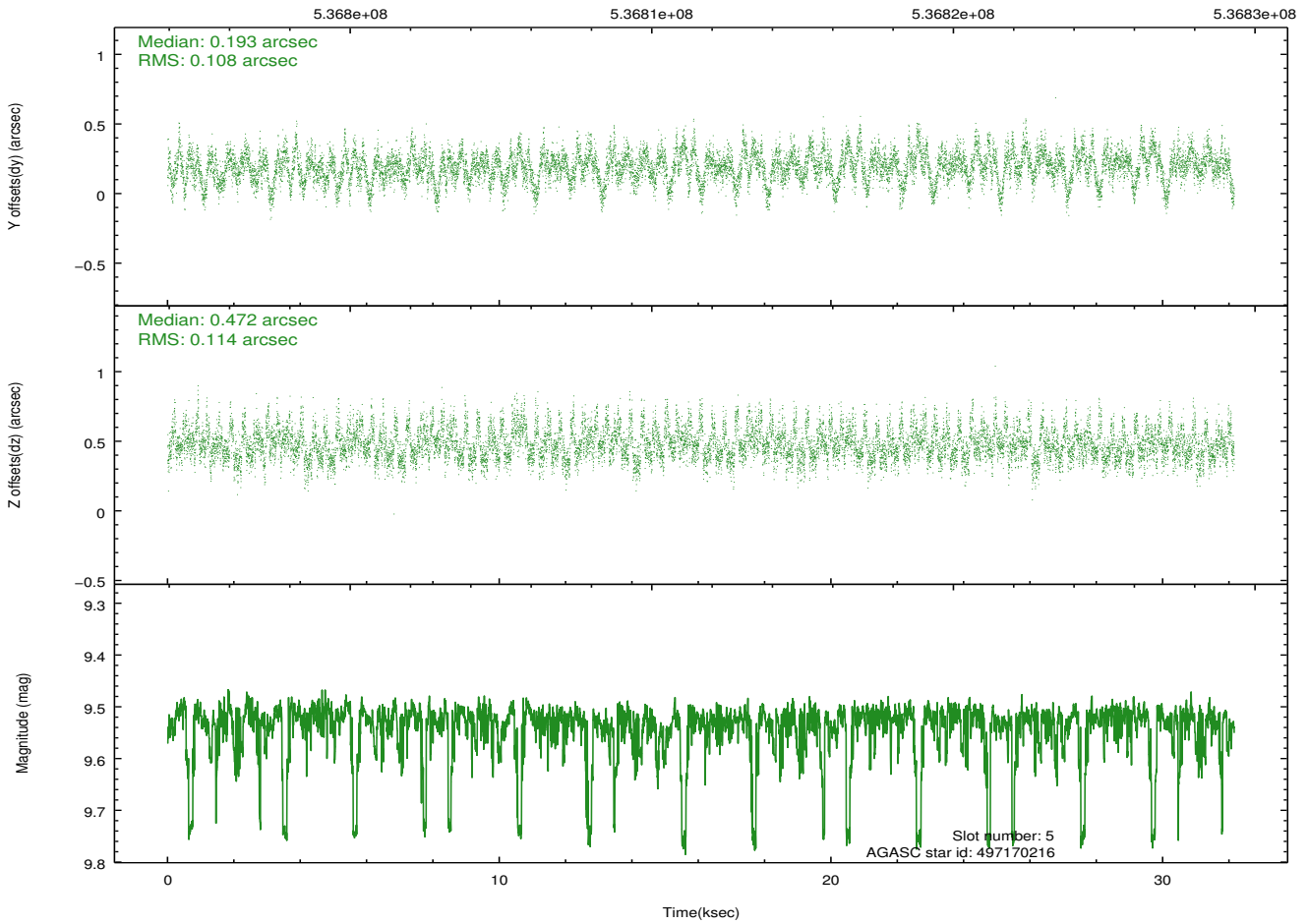
2.4.2 Slot 4



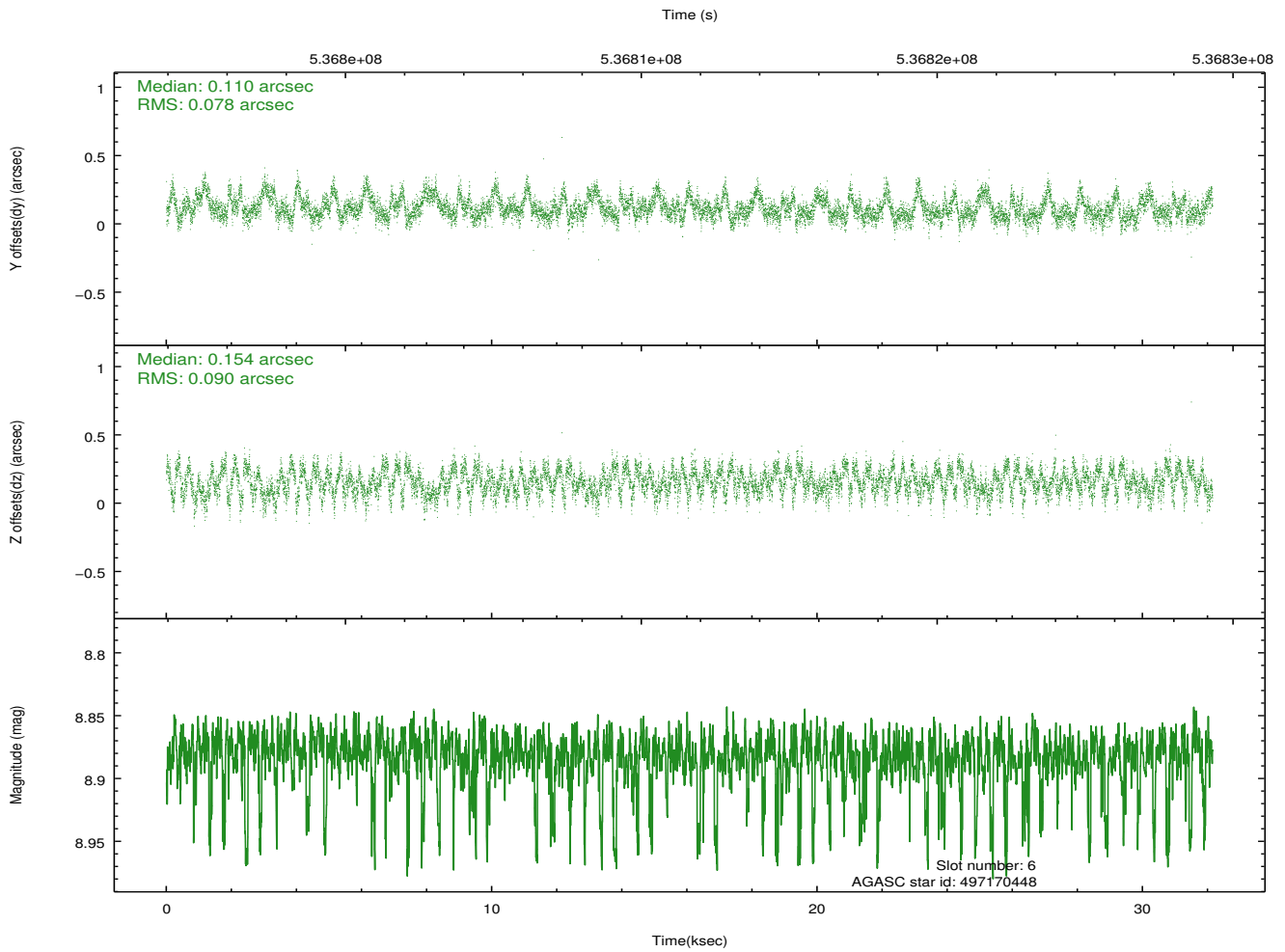
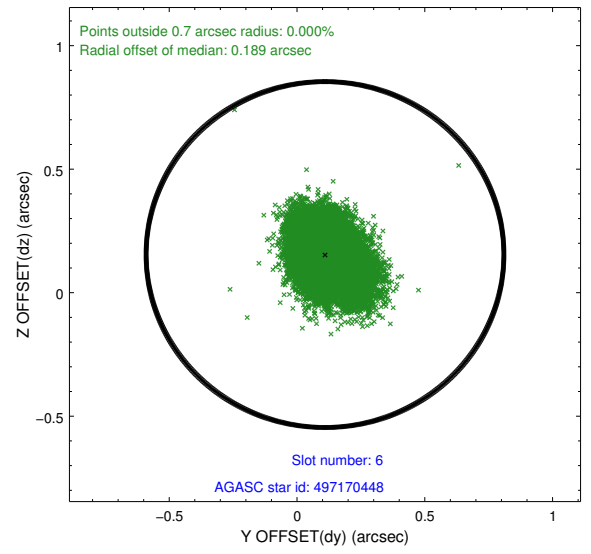
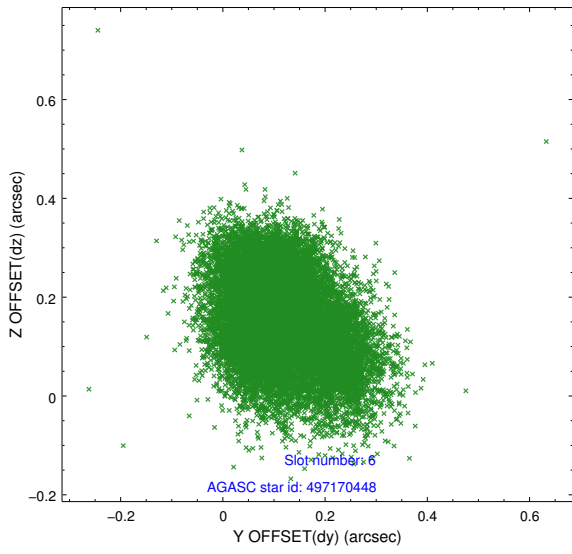
2.4.3 Slot 5



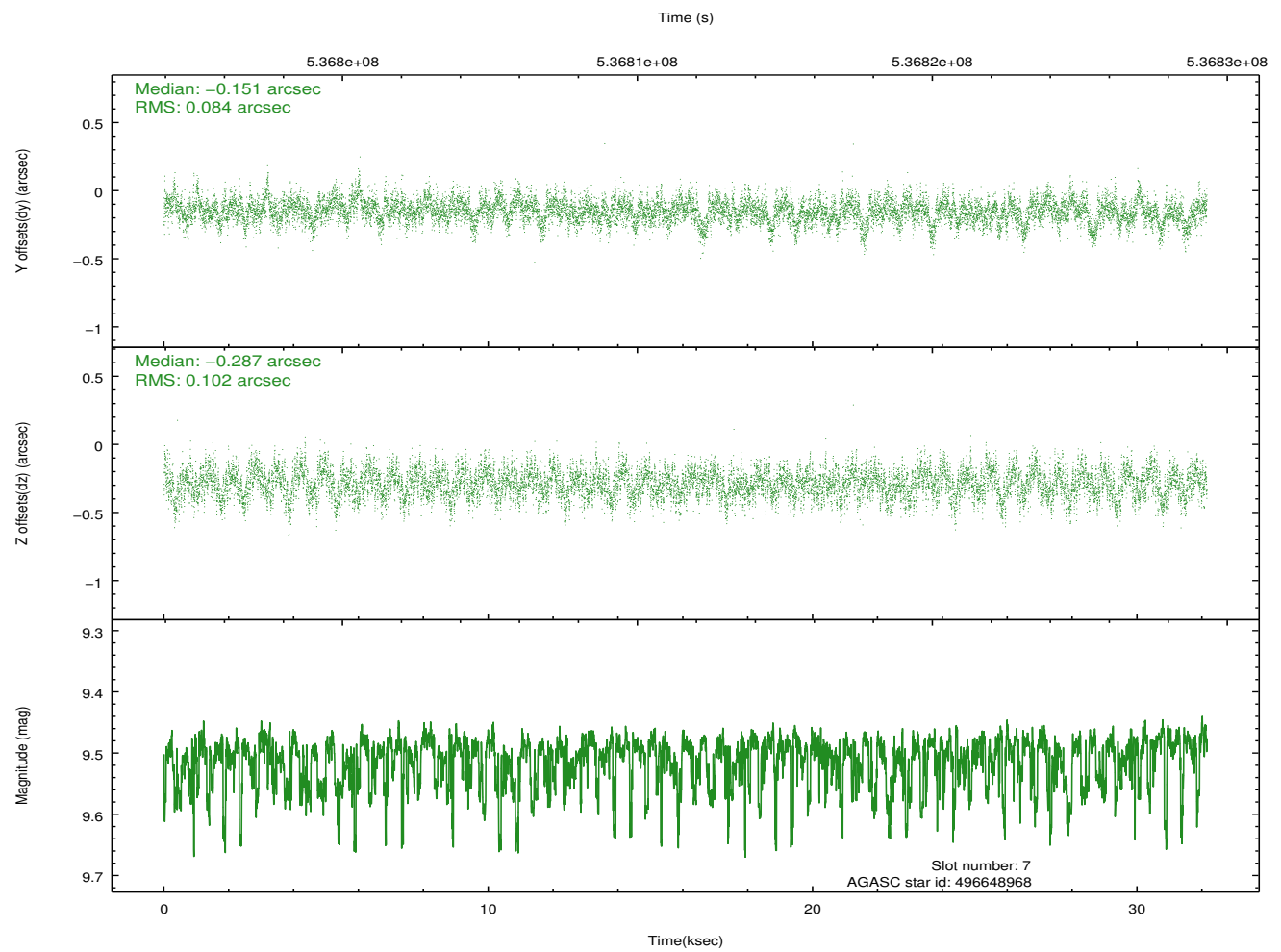
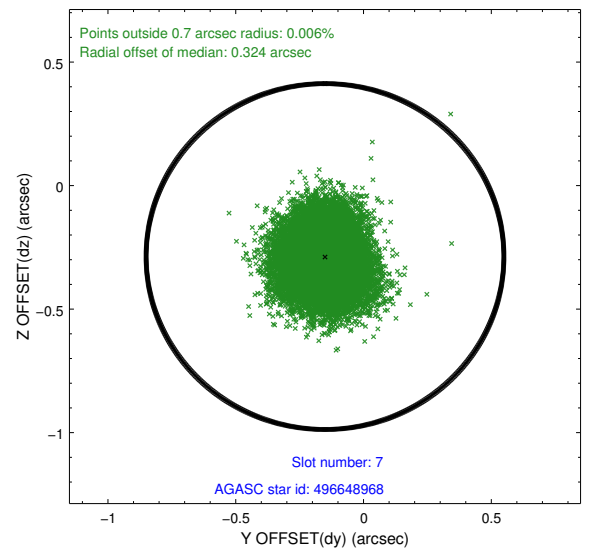
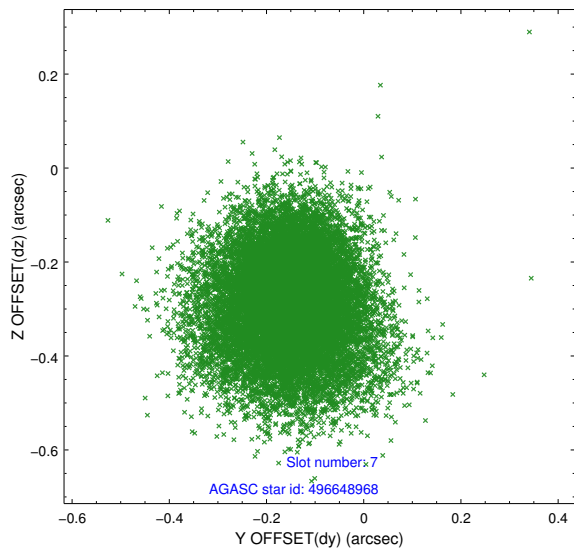
Time (s)



2.4.4 Slot 6

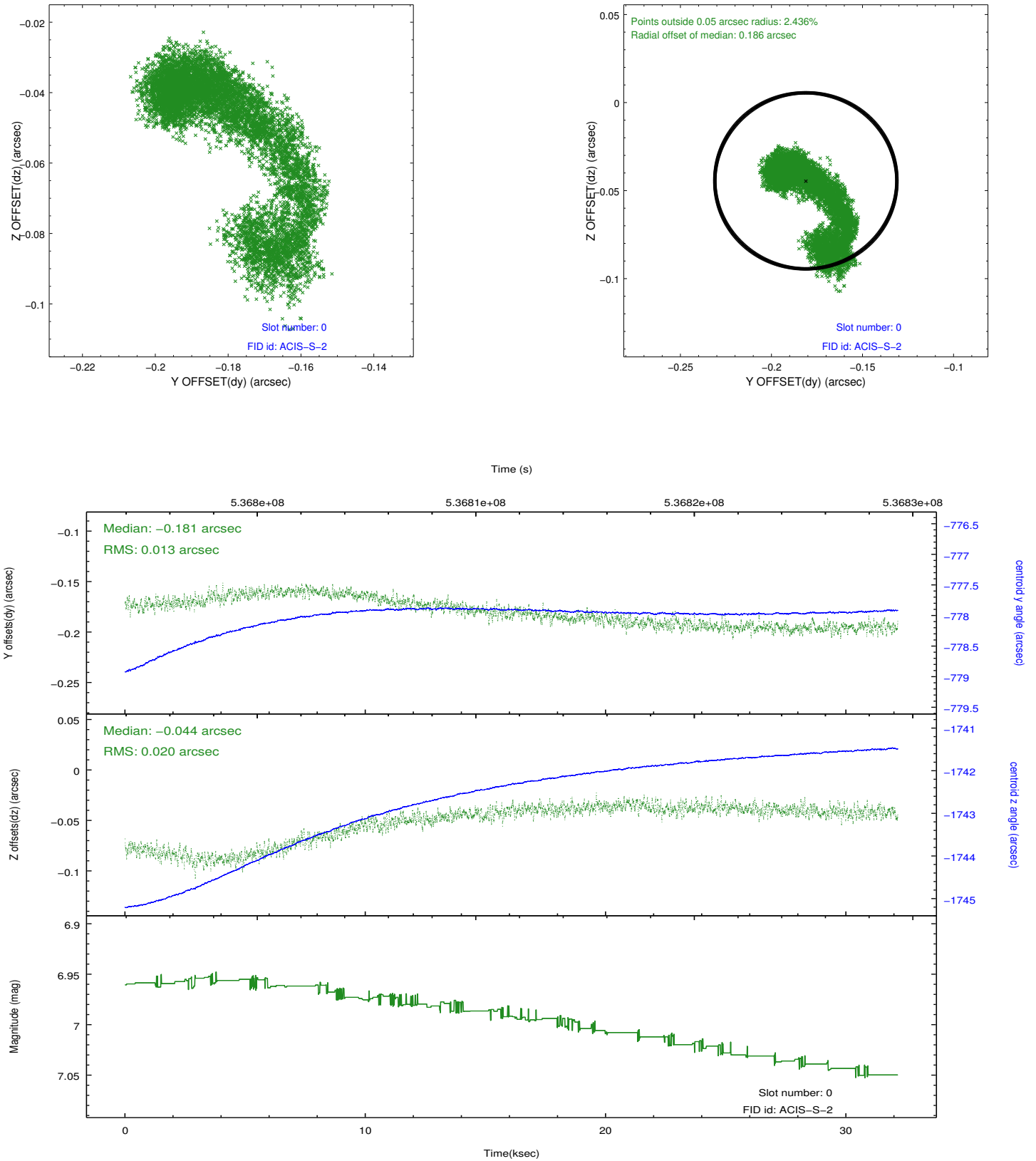


2.4.5 Slot 7

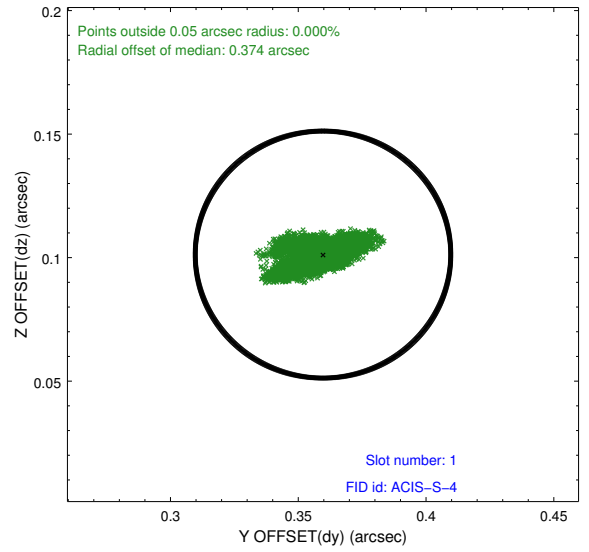
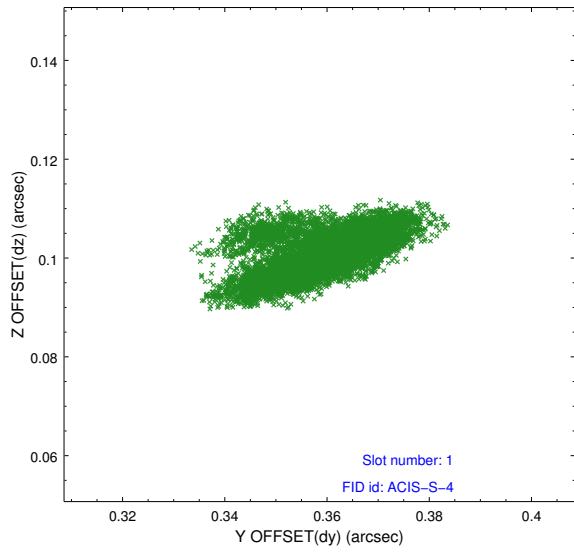


2.5 FID Slots

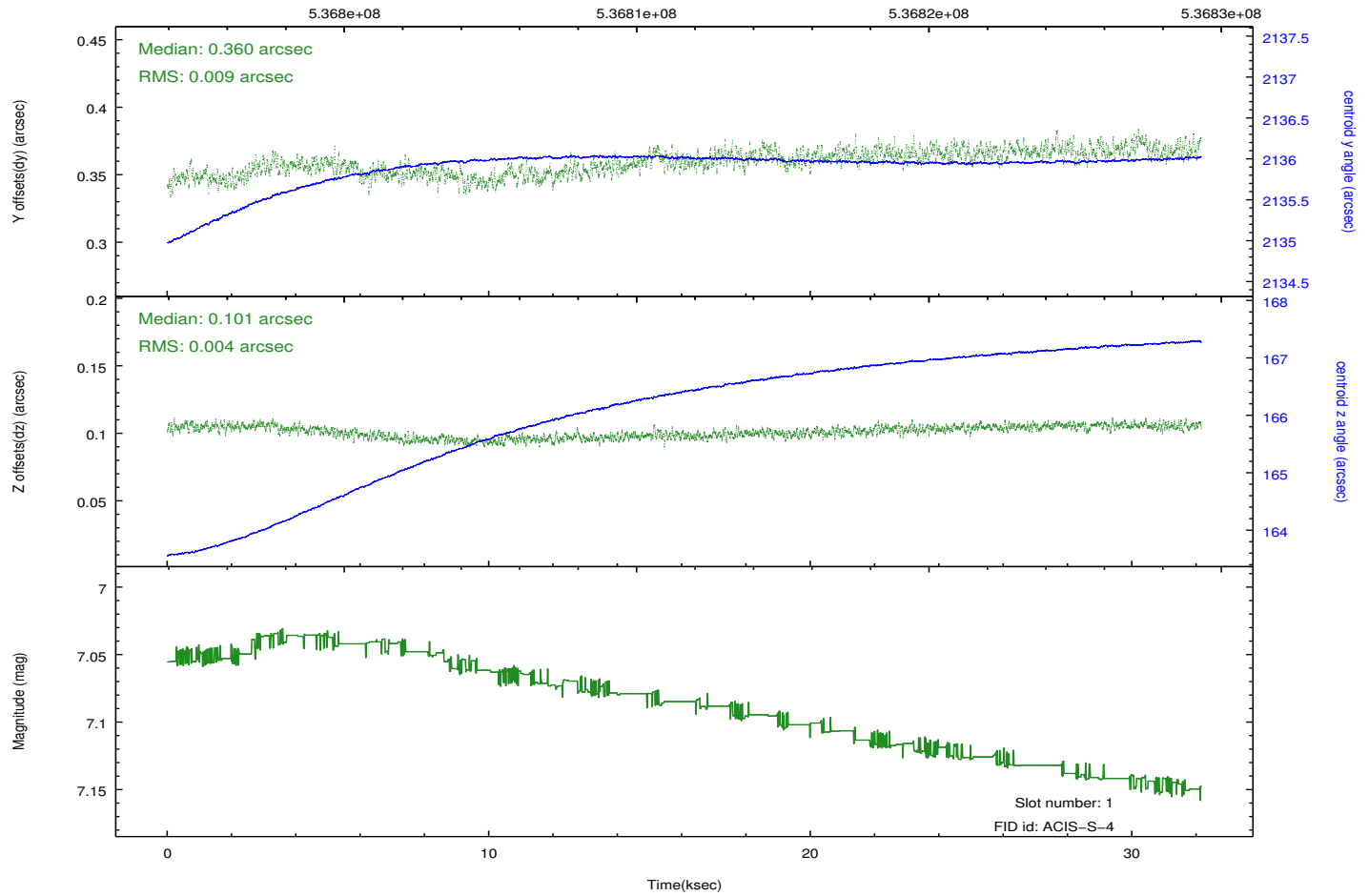
2.5.1 Slot 0



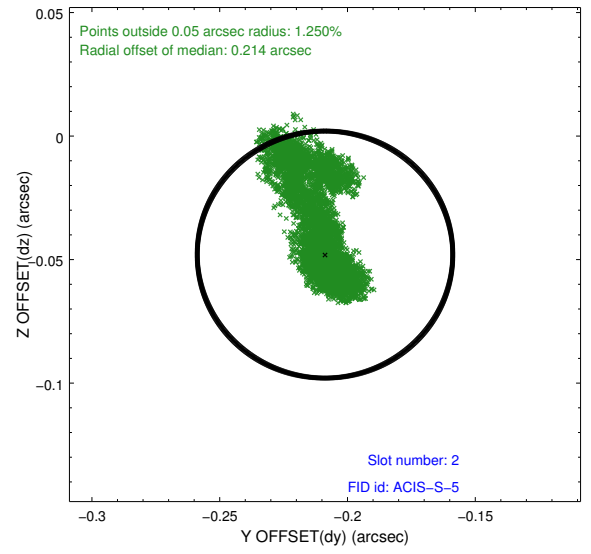
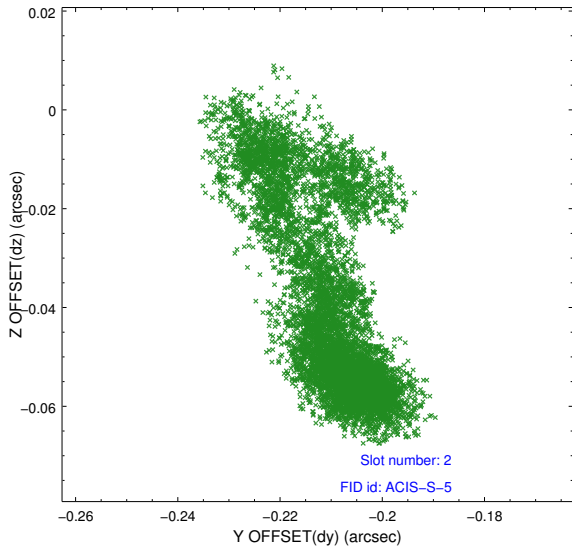
2.5.2 Slot 1



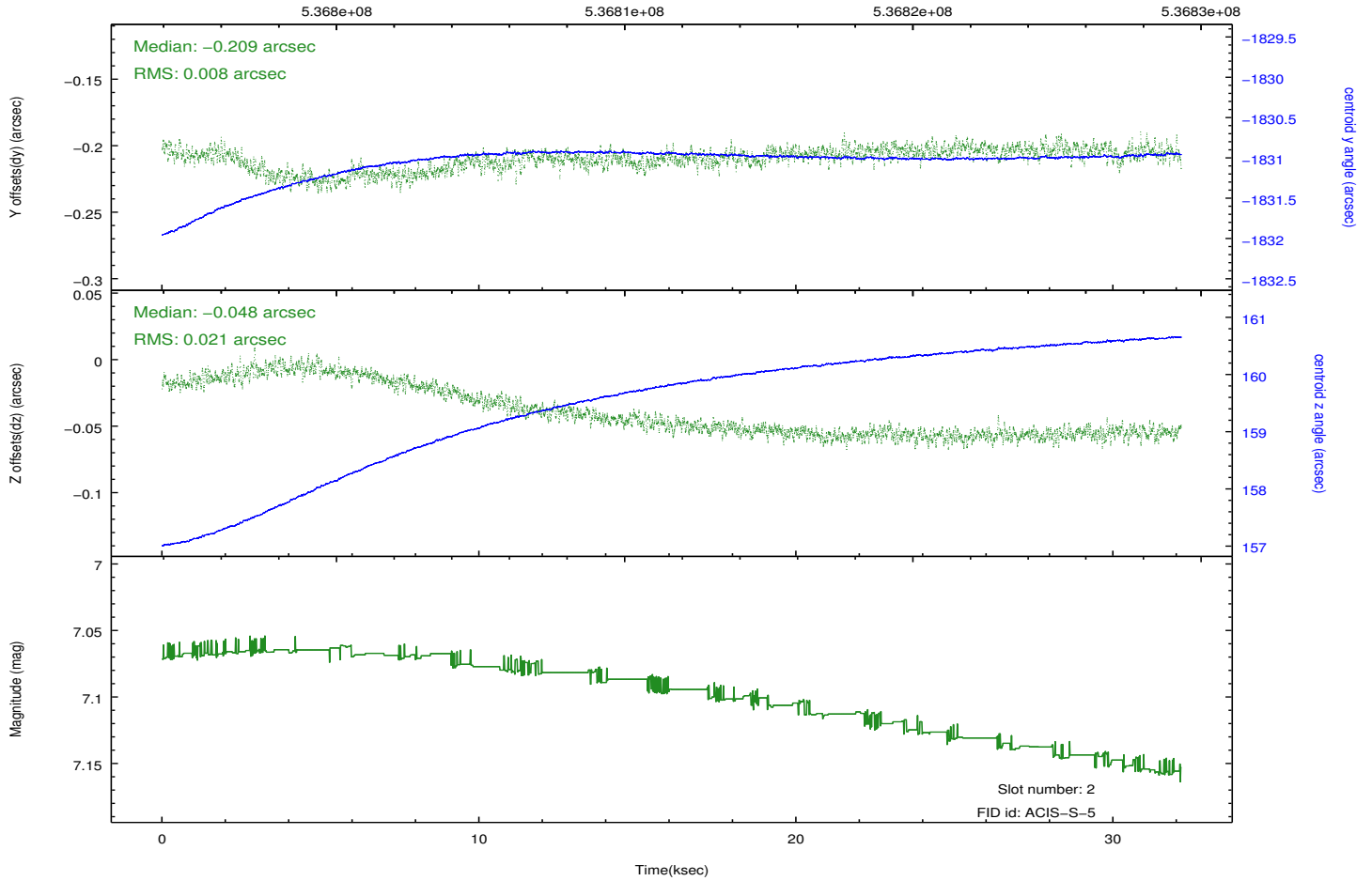
Time (s)



2.5.3 Slot 2



Time (s)



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2015.01.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	32.068607017338

A.2 Comments