

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11069 - L2 Version 2
Chandra X-Ray Center

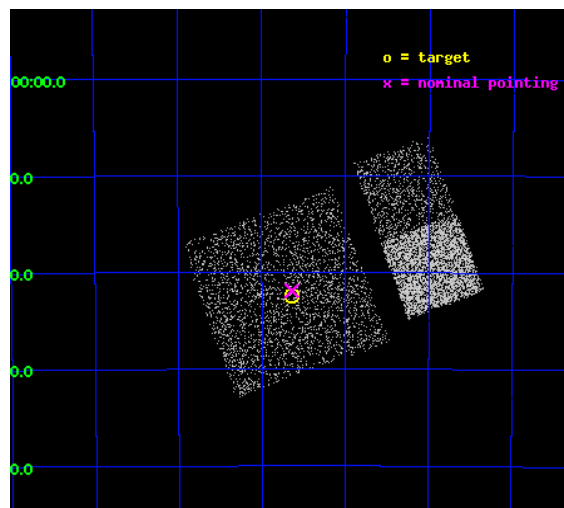
L2 Processing Date : Jun 20 2012

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1 Front

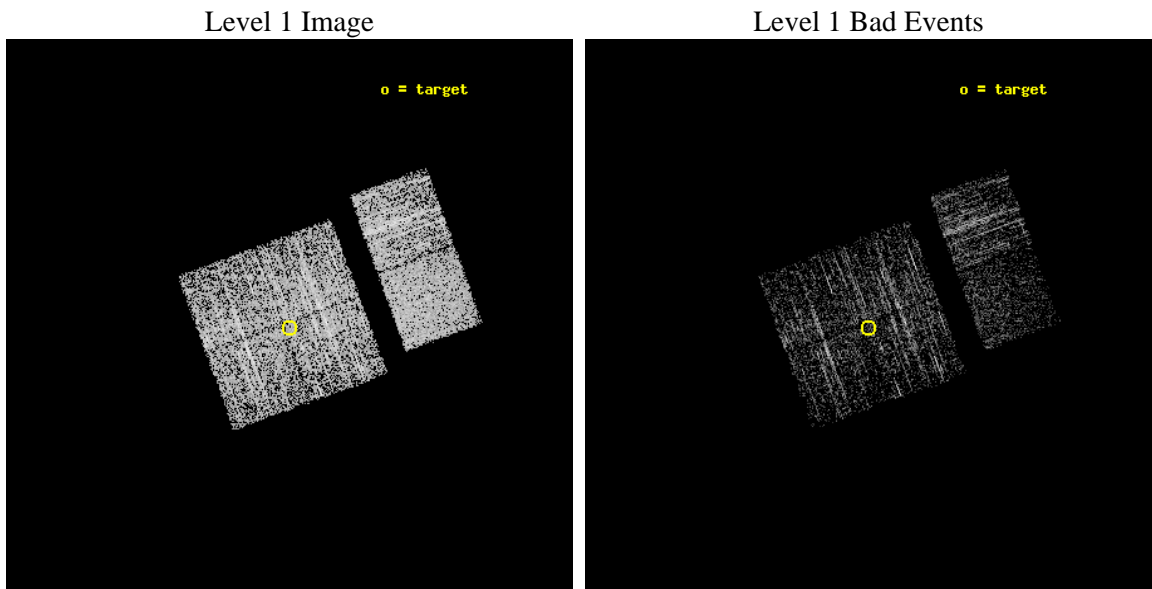
seq_num	401104	Sequence number
obs_id	11069	Observation id
title	Precise Positions of Historically Bright X-ray Binaries	Proposal t
observer	Dr. Alan Levine	Principal investigator
object	SAX J1428.6-5422	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	217.16	Observer's specified target RA [deg]
dec_targ	-54.373	Observer's specified target Dec [deg]
ra_nom	217.1601429363	Nominal RA [deg]
dec_nom	-54.365126559346	Nominal Dec [deg]
roll_nom	69.909364578437	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1123.1999958754	Sum of GTIs [s]
livetime	1108.9773612177	Livetime [s]
ontime0	1123.1999958754	Sum of GTIs [s]
ontime1	1123.1999958754	Sum of GTIs [s]
ontime2	1123.1999958754	Sum of GTIs [s]
ontime3	1123.1999958754	Sum of GTIs [s]
ontime6	1123.1999958754	Sum of GTIs [s]
ontime7	1123.1999958754	Sum of GTIs [s]
l2events	9074	Number of level 2 events



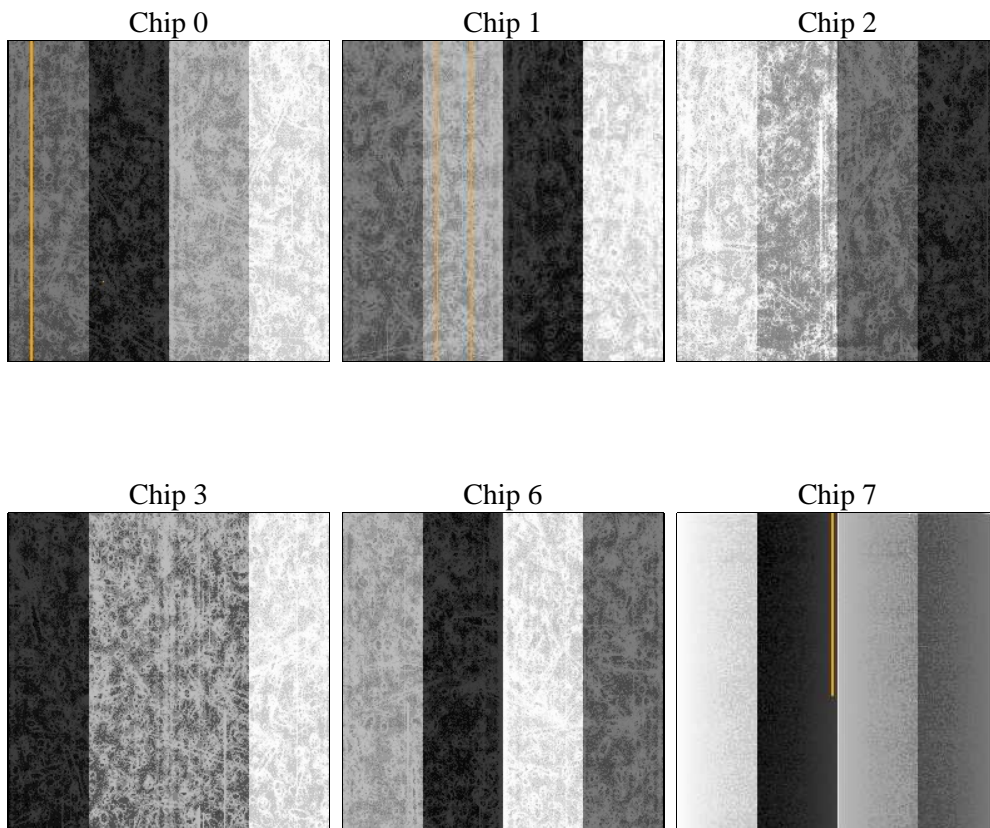
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1123.1999958754	Sum of GTIs [s]
caldbver	4.4.10	 	ontime0	1123.1999958754	Sum of GTIs [s]
date	2012-06-21T00:30:45	Date and time of file creation	ontime1	1123.1999958754	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1123.1999958754	Sum of GTIs [s]
			ontime3	1123.1999958754	Sum of GTIs [s]
			ontime6	1123.1999958754	Sum of GTIs [s]
			ontime7	1123.1999958754	Sum of GTIs [s]
			l1events	102141	Number of level 1 events

2.1.4 Events

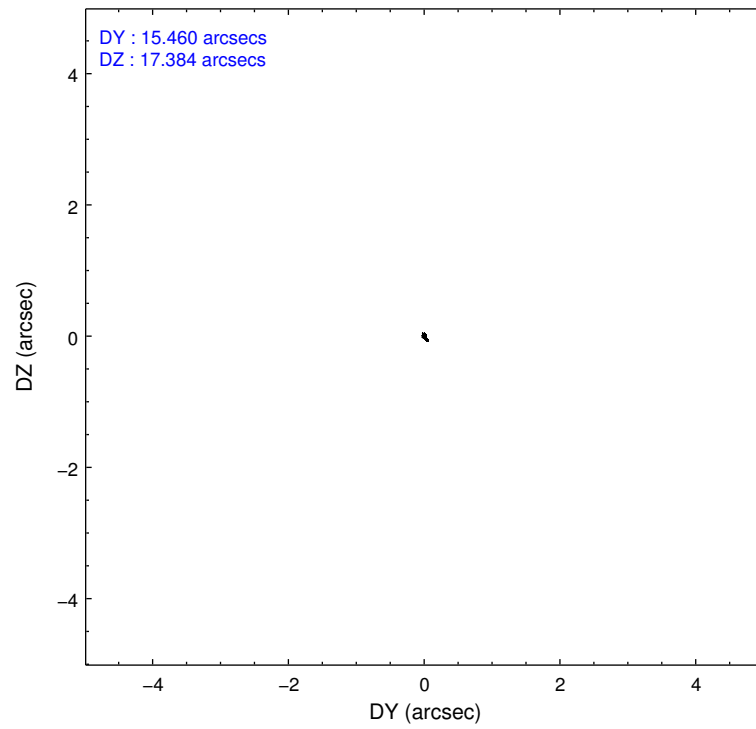
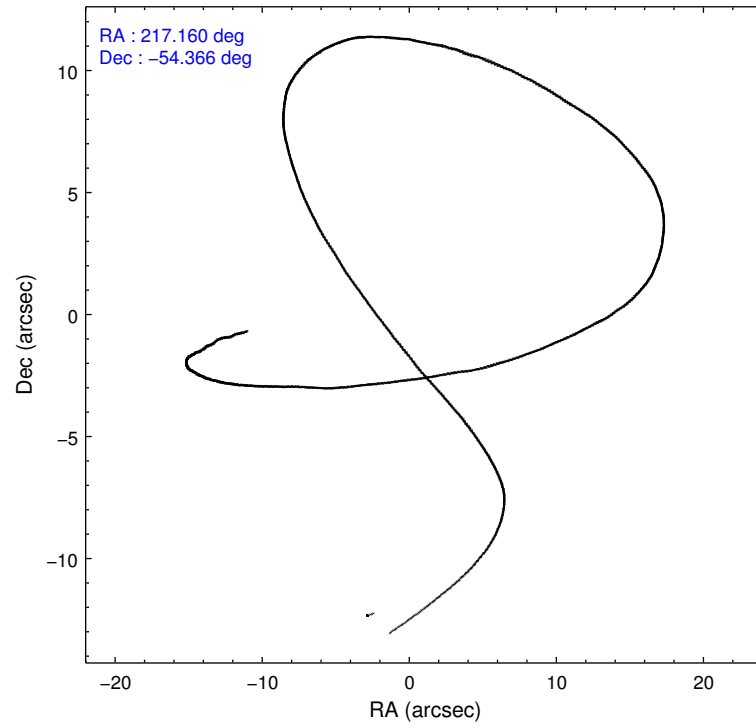
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	15579	14777	17789	17005	17390	19601
rejected events	14542	13670	16810	16050	16303	14687
rejected %	93%	92%	94%	94%	93%	74%

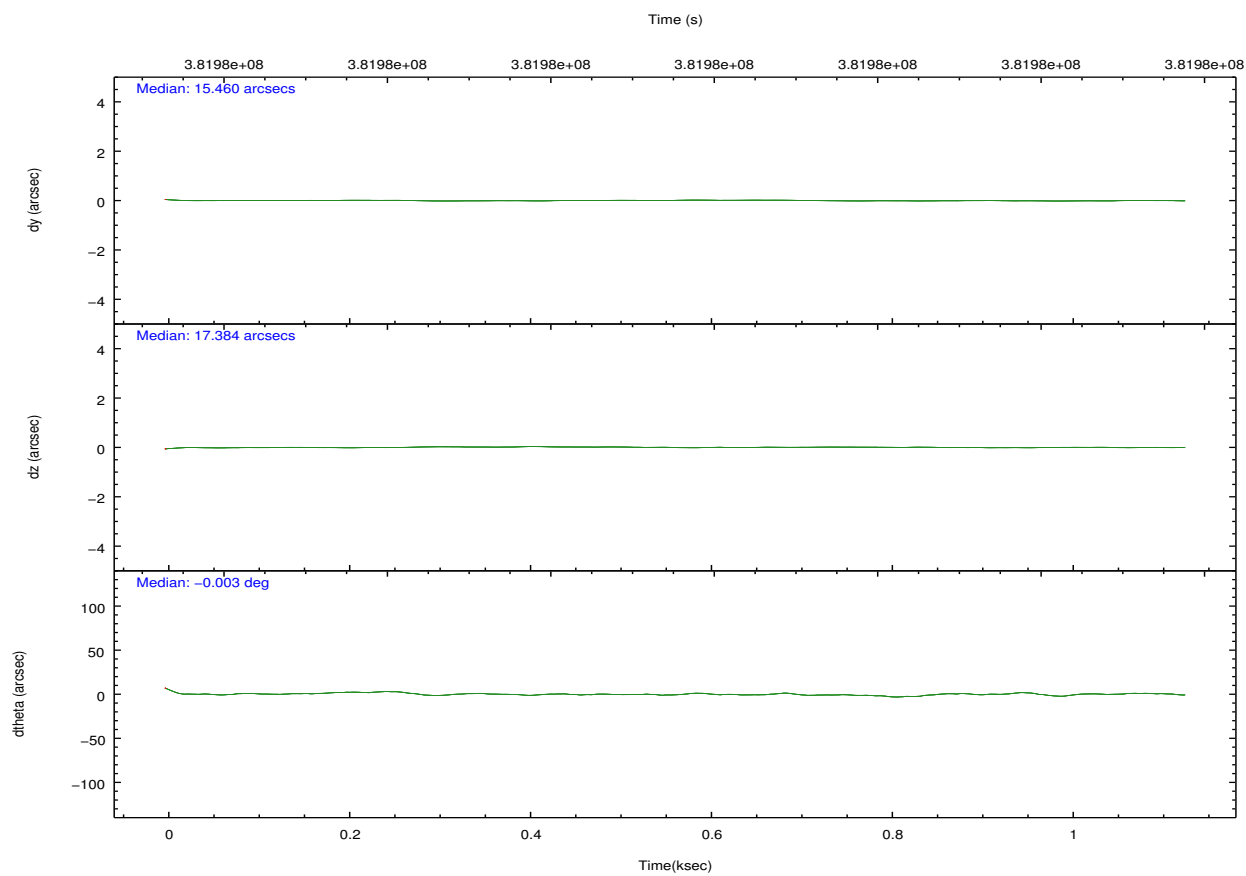
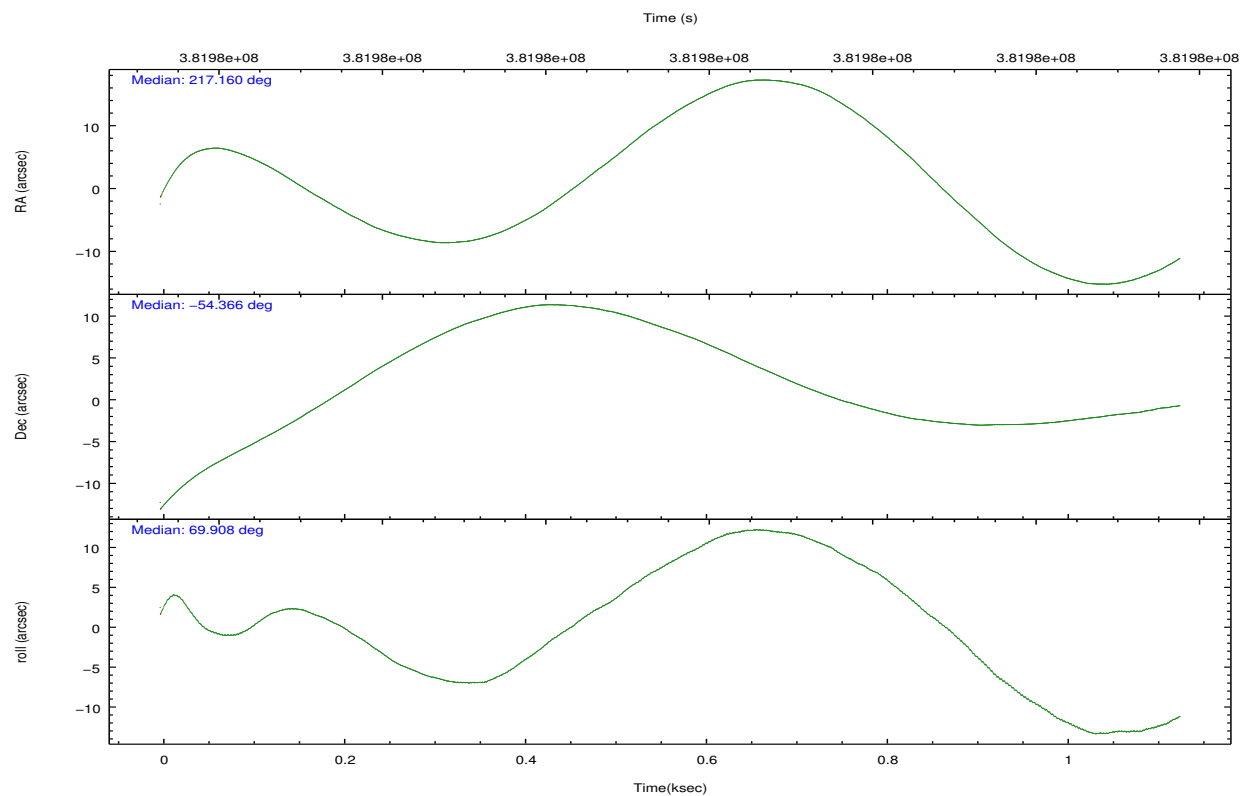
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	664	764	615	640	689	825
	4%	5%	3%	3%	3%	4%
grade 1 events	6	13	14	8	9	23
	0%	0%	0%	0%	0%	0%
grade 2 events	442	447	426	388	431	1860
	2%	3%	2%	2%	2%	9%
grade 3 events	208	198	202	173	205	782
	1%	1%	1%	1%	1%	3%
grade 4 events	185	216	182	176	212	818
	1%	1%	1%	1%	1%	4%
grade 5 events	627	681	626	743	749	2116
	4%	4%	3%	4%	4%	10%
grade 6 events	324	404	311	357	438	4589
	2%	2%	1%	2%	2%	23%
grade 7 events	13123	12054	15413	14520	14657	8588
	84%	81%	86%	85%	84%	43%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	217.168993	217.1601429362997	CCD I2 on	Y	Y
[deg] Pointing Dec	-54.391997	-54.365126559346	CCD I3 on	Y	Y
[deg] Pointing Roll	69.707775	69.90936457843671	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O2	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O1	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	381981115.184000	381979622.81564	CCD S5 on	N	N
Observation start date	2010-02-08T01:50:49	2010-02-08T01:27:02	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	381982115.184000	381982945.86581	On-chip summing requested	N	N
Observation end date	2010-02-08T02:07:29	2010-02-08T02:22:25	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



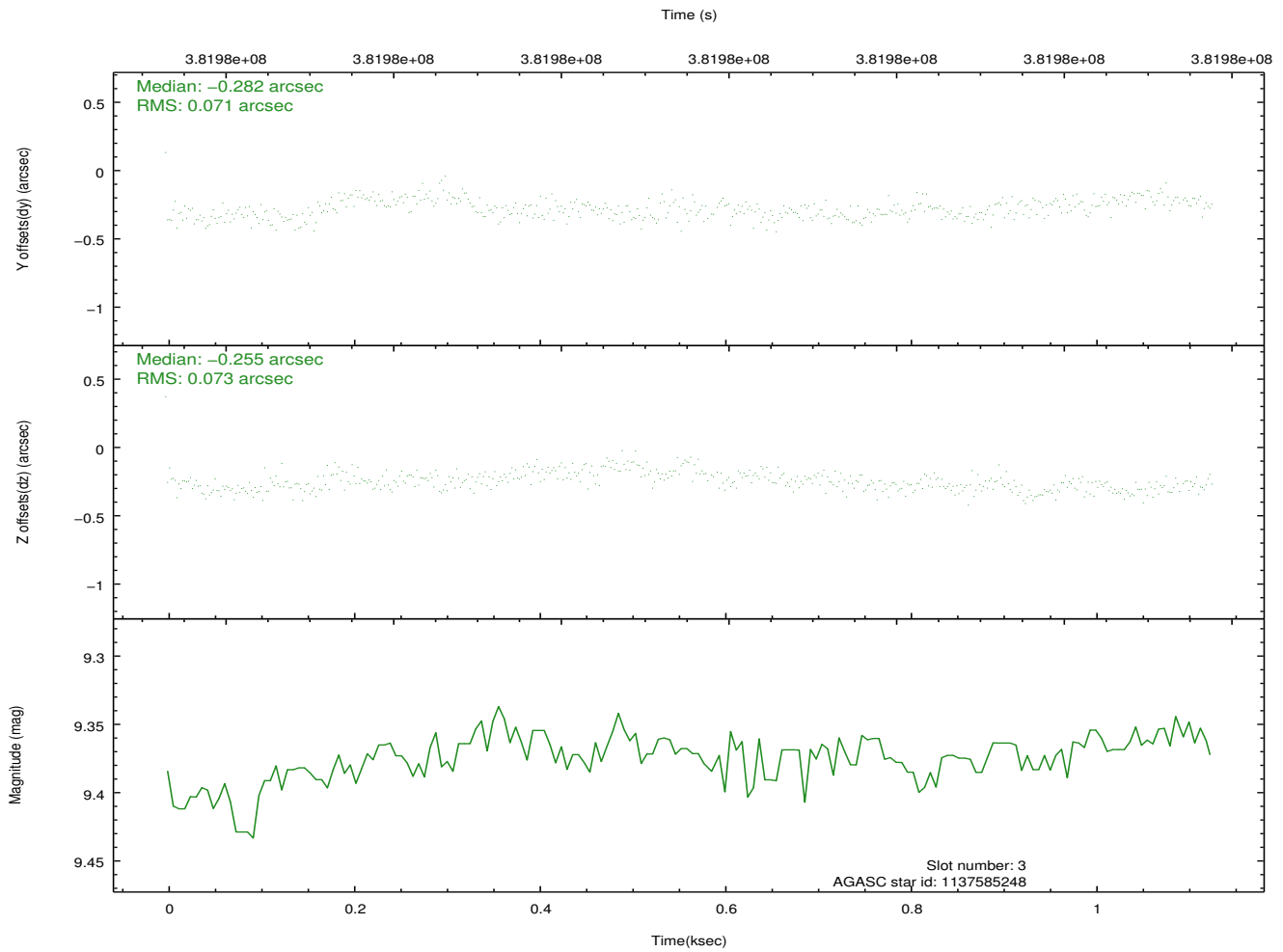
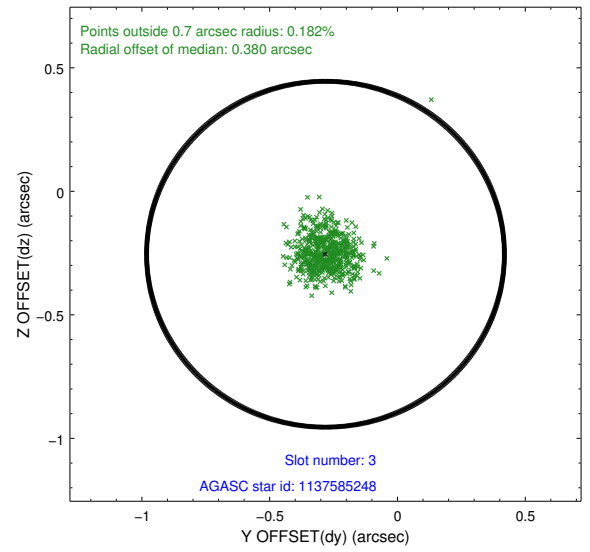
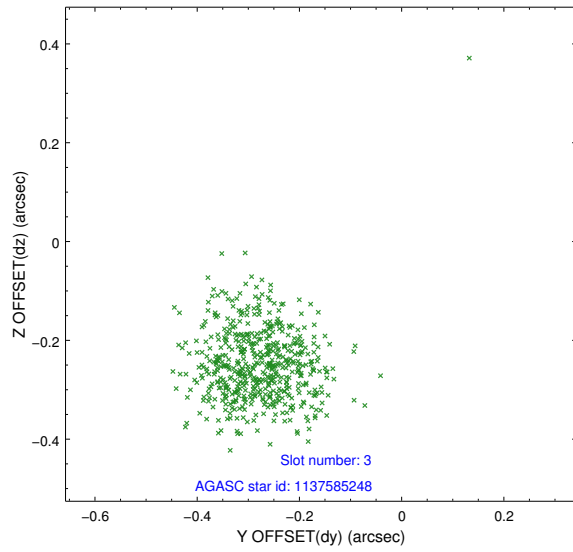


Slot Statistics

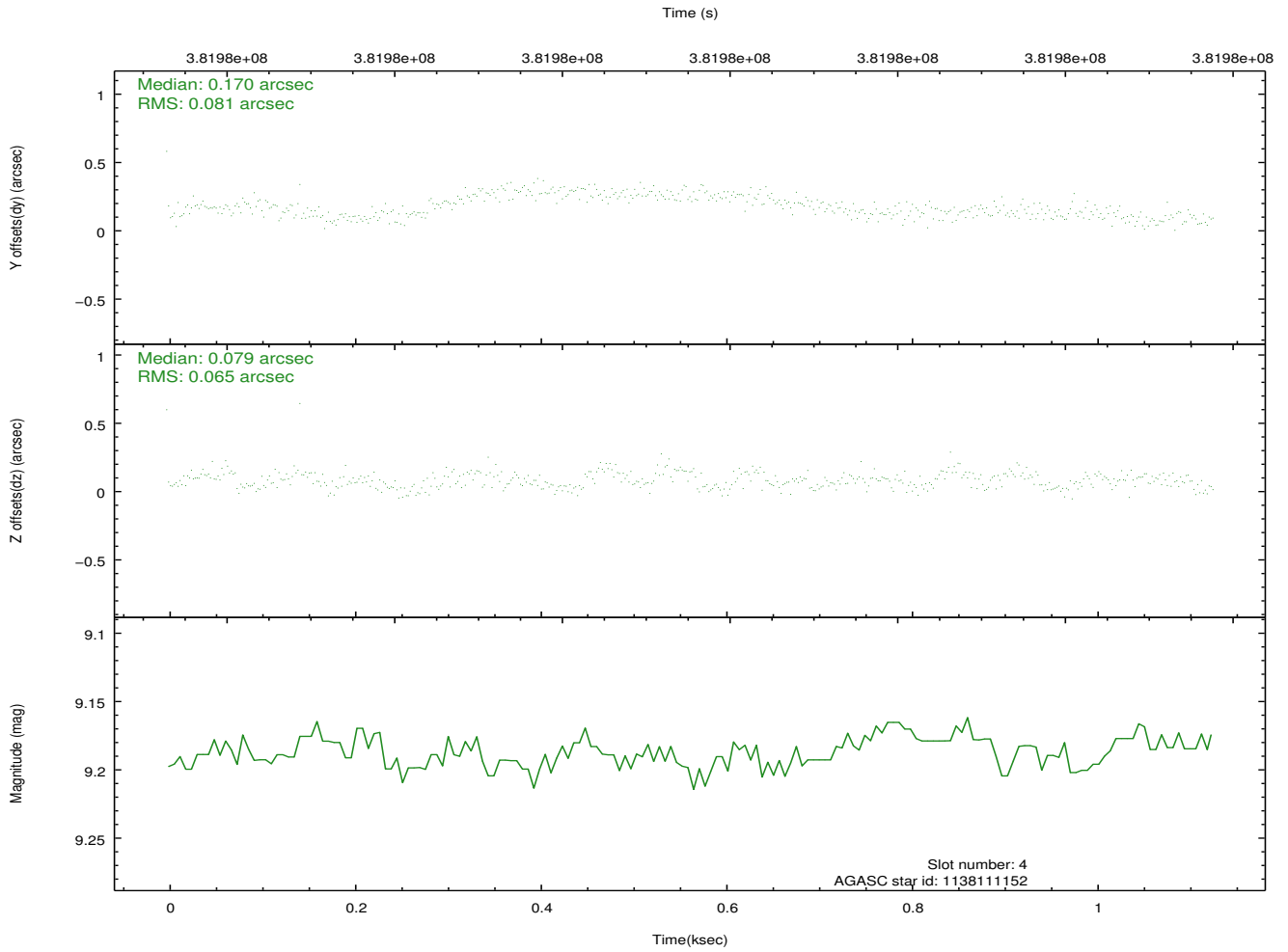
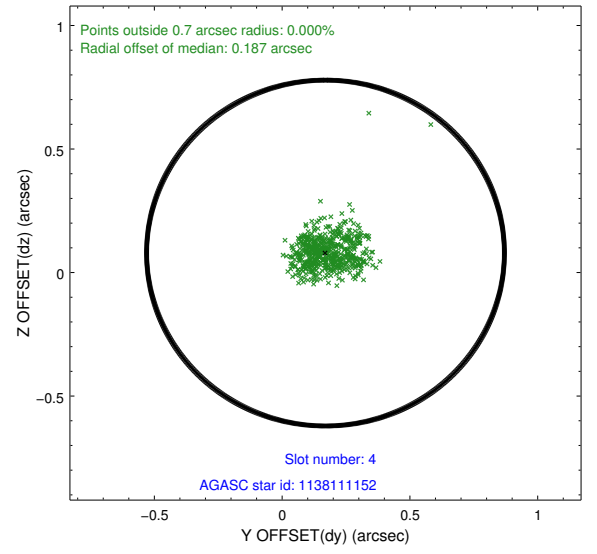
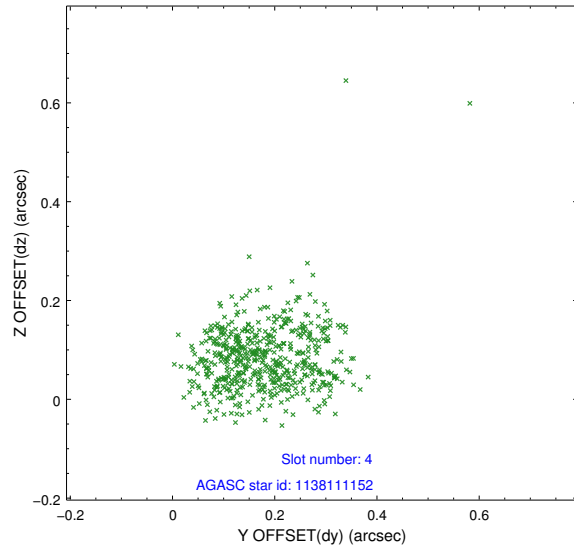
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.92	275	-0.181	-0.075	0.009	0.022	0.000000	0.000000	-770.35	-847.50
1	FID	ACIS-I-4	6.94	275	0.065	0.136	0.007	0.012	0.000000	0.000000	2141.19	1055.92
2	FID	ACIS-I-6	7.01	276	0.016	0.001	0.010	0.019	0.000000	0.000000	397.44	1704.68
3	GUIDE	1137585248	9.37	548	-0.282	-0.255	0.104	0.163	216.878650	-54.103569	761.39	933.75
4	GUIDE	1138111152	9.19	551	0.170	0.079	0.106	0.161	217.509470	-54.760882	-998.81	-1123.25
5	GUIDE	1138114944	7.65	551	0.111	0.062	0.052	0.095	216.987862	-55.023598	-2262.92	-440.69
6	GUIDE	1137574216	9.61	551	-0.073	0.222	0.130	0.217	218.370339	-54.355041	976.10	-2326.19
7	GUIDE	1137577528	9.51	550	0.074	-0.121	0.121	0.206	218.619789	-54.000963	2358.66	-2406.64

2.4 Star Slots

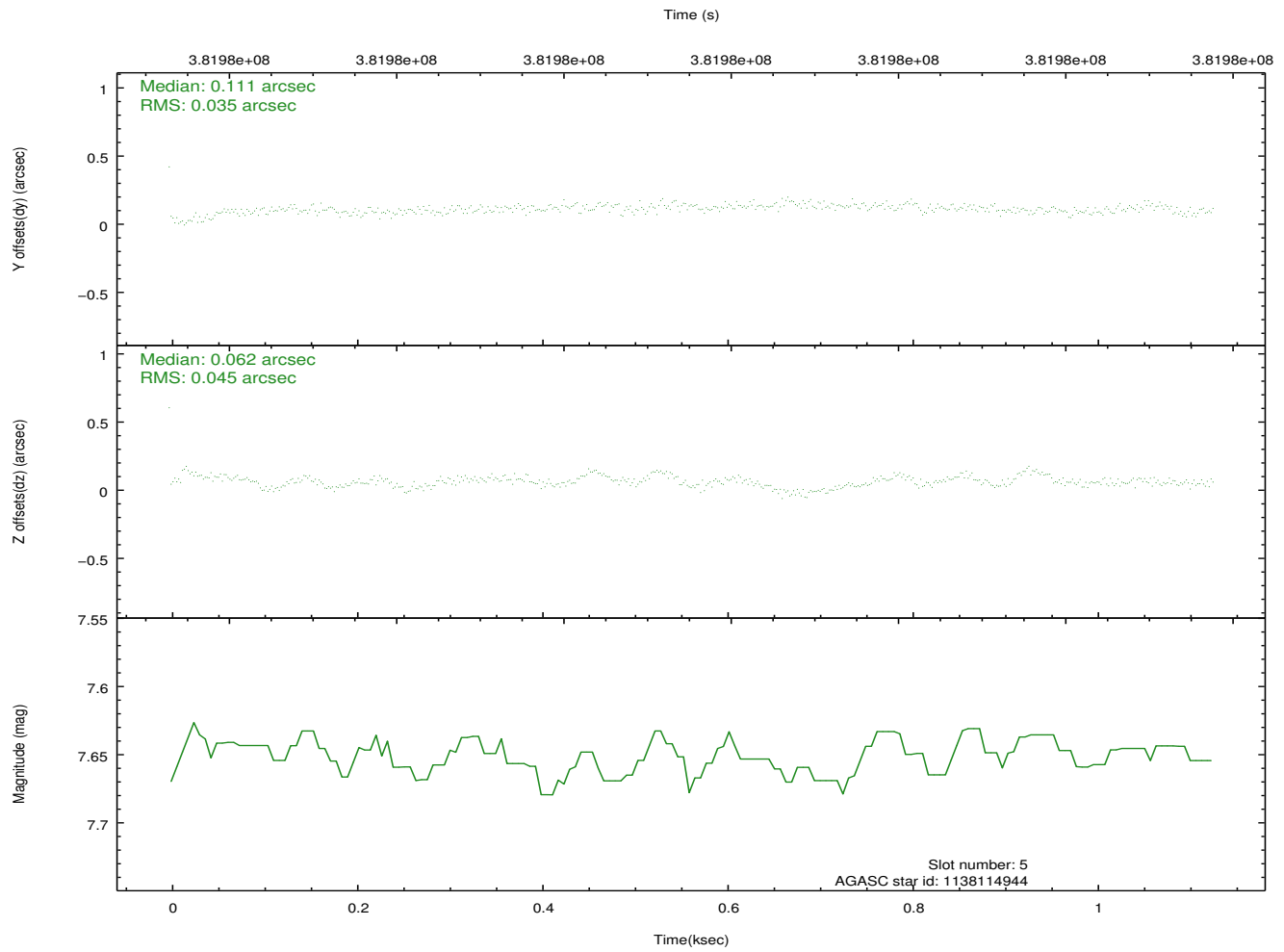
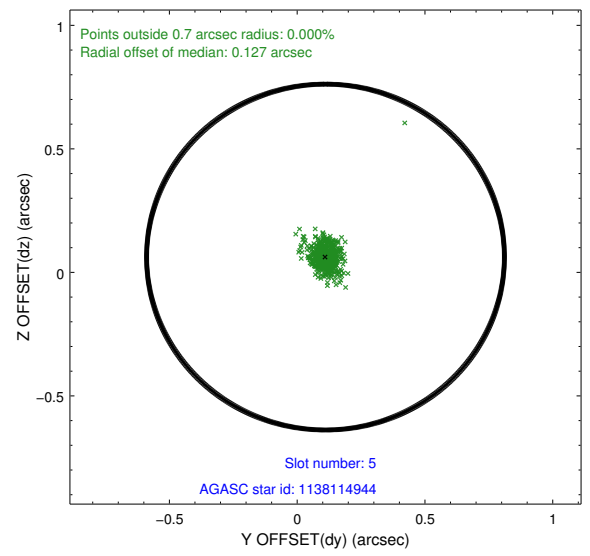
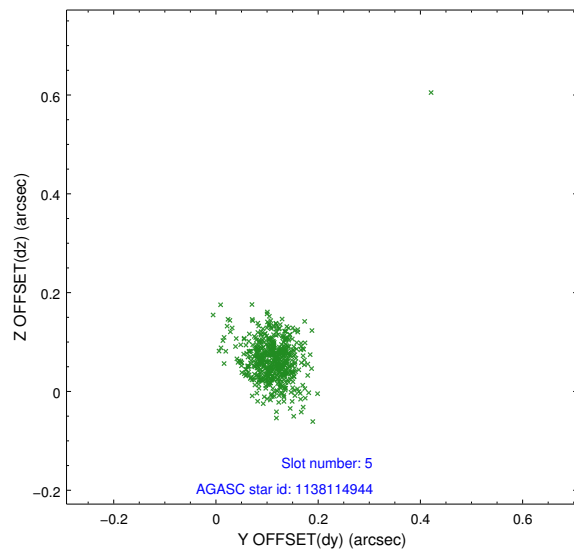
2.4.1 Slot 3



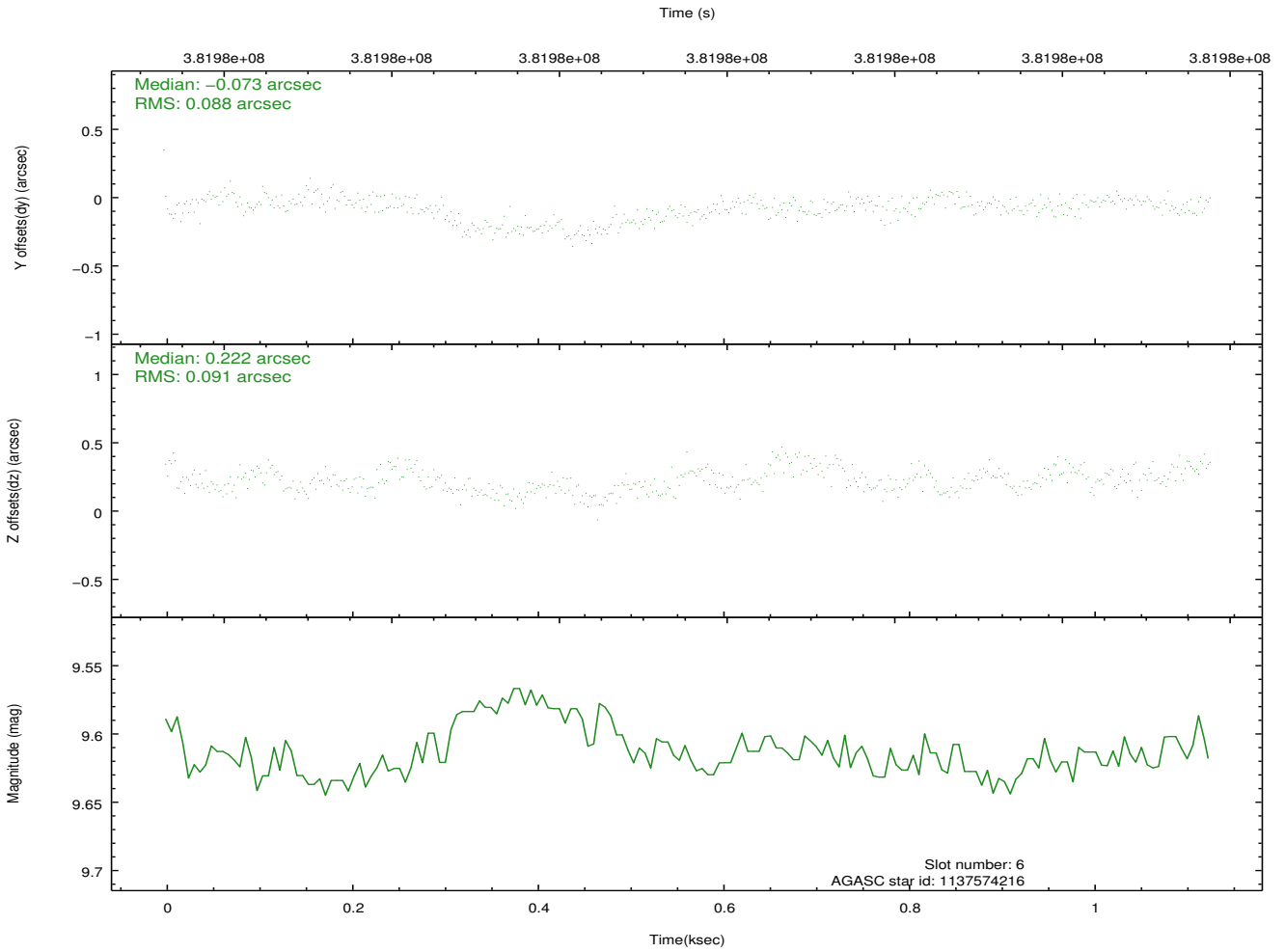
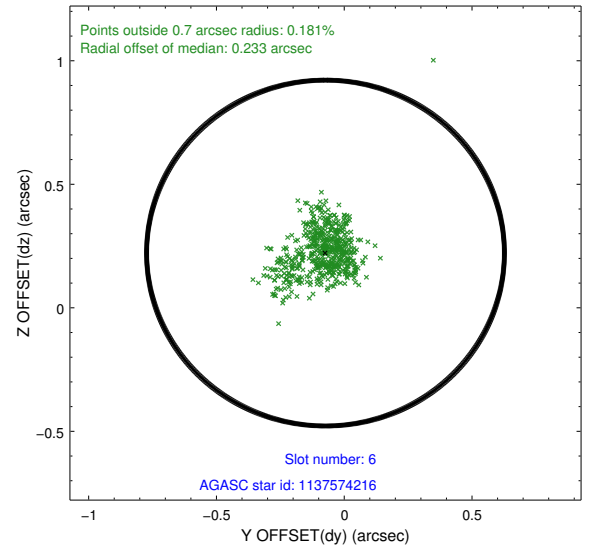
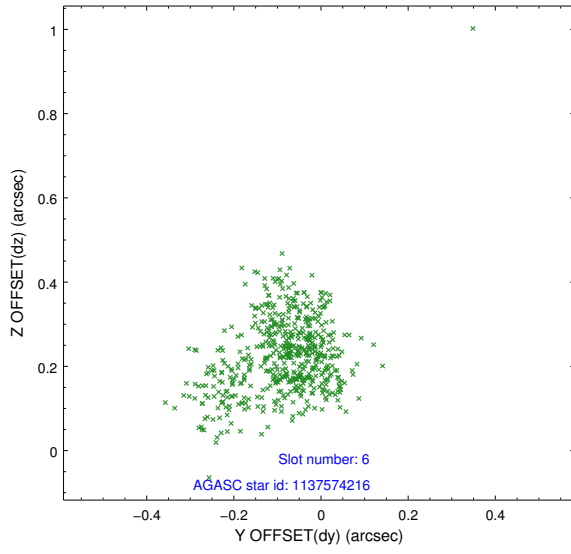
2.4.2 Slot 4



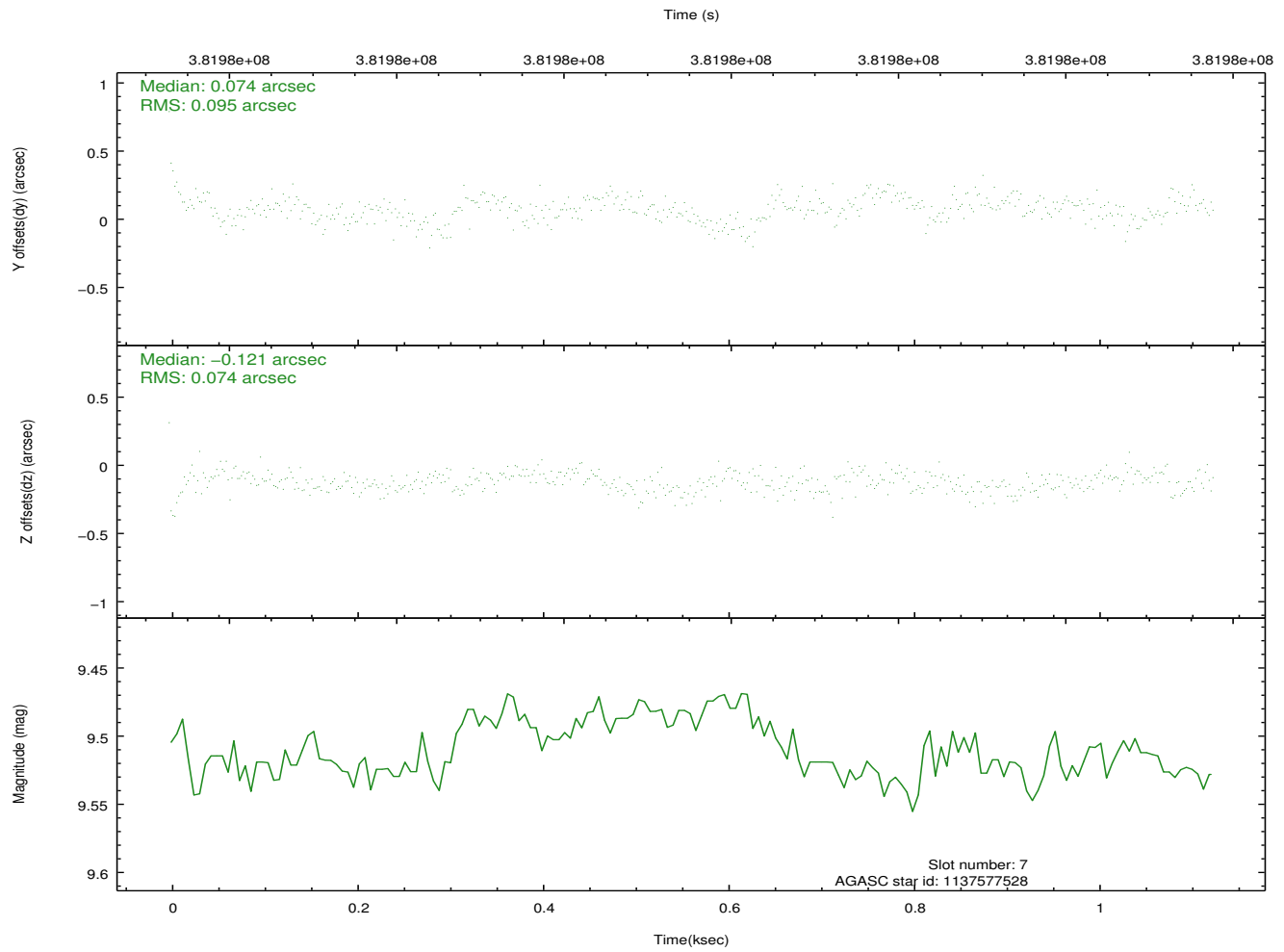
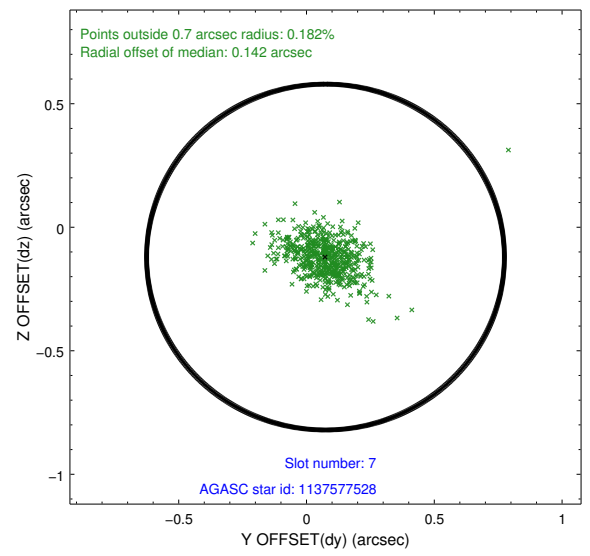
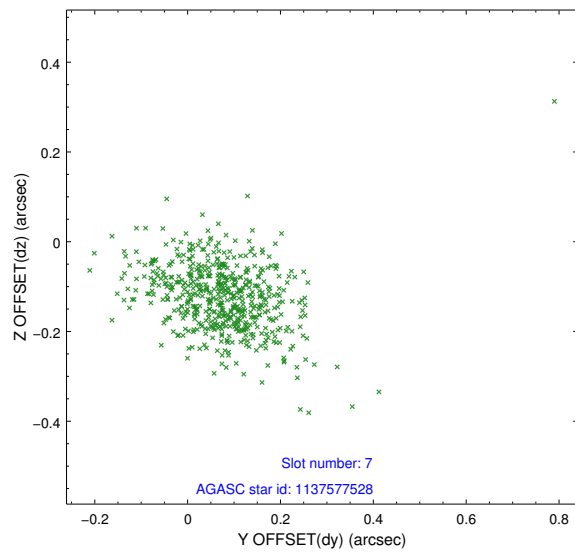
2.4.3 Slot 5



2.4.4 Slot 6

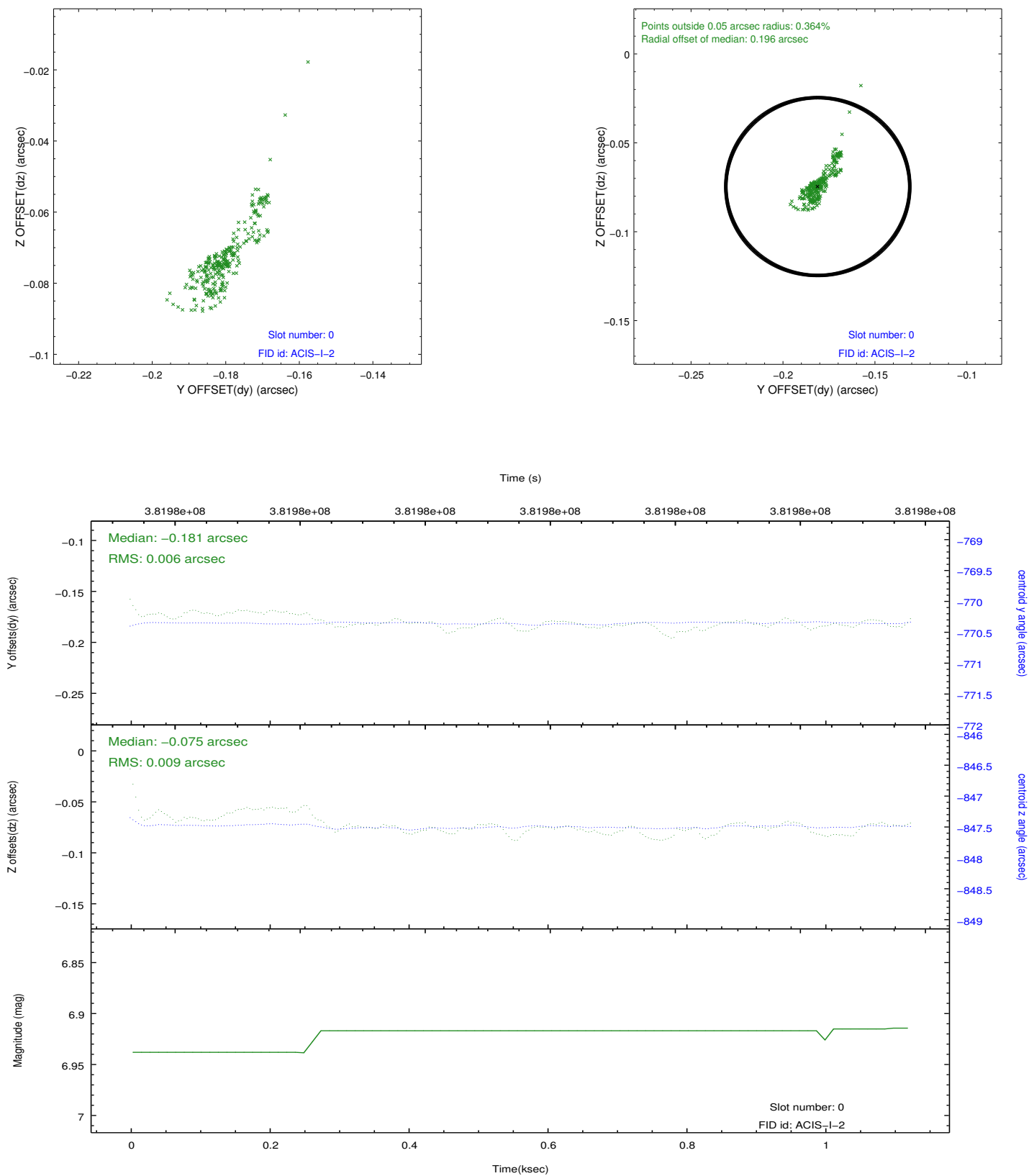


2.4.5 Slot 7

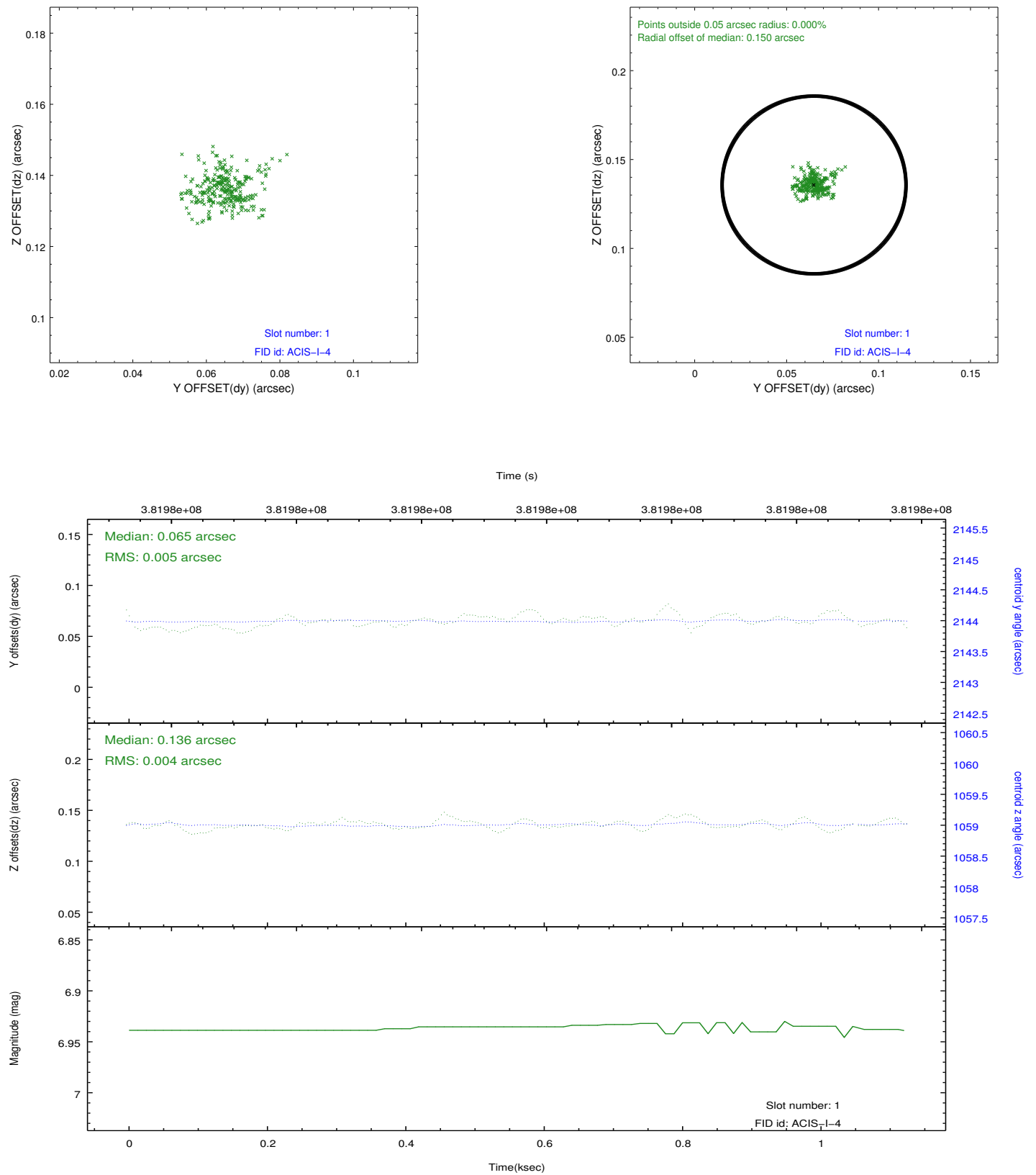


2.5 FID Slots

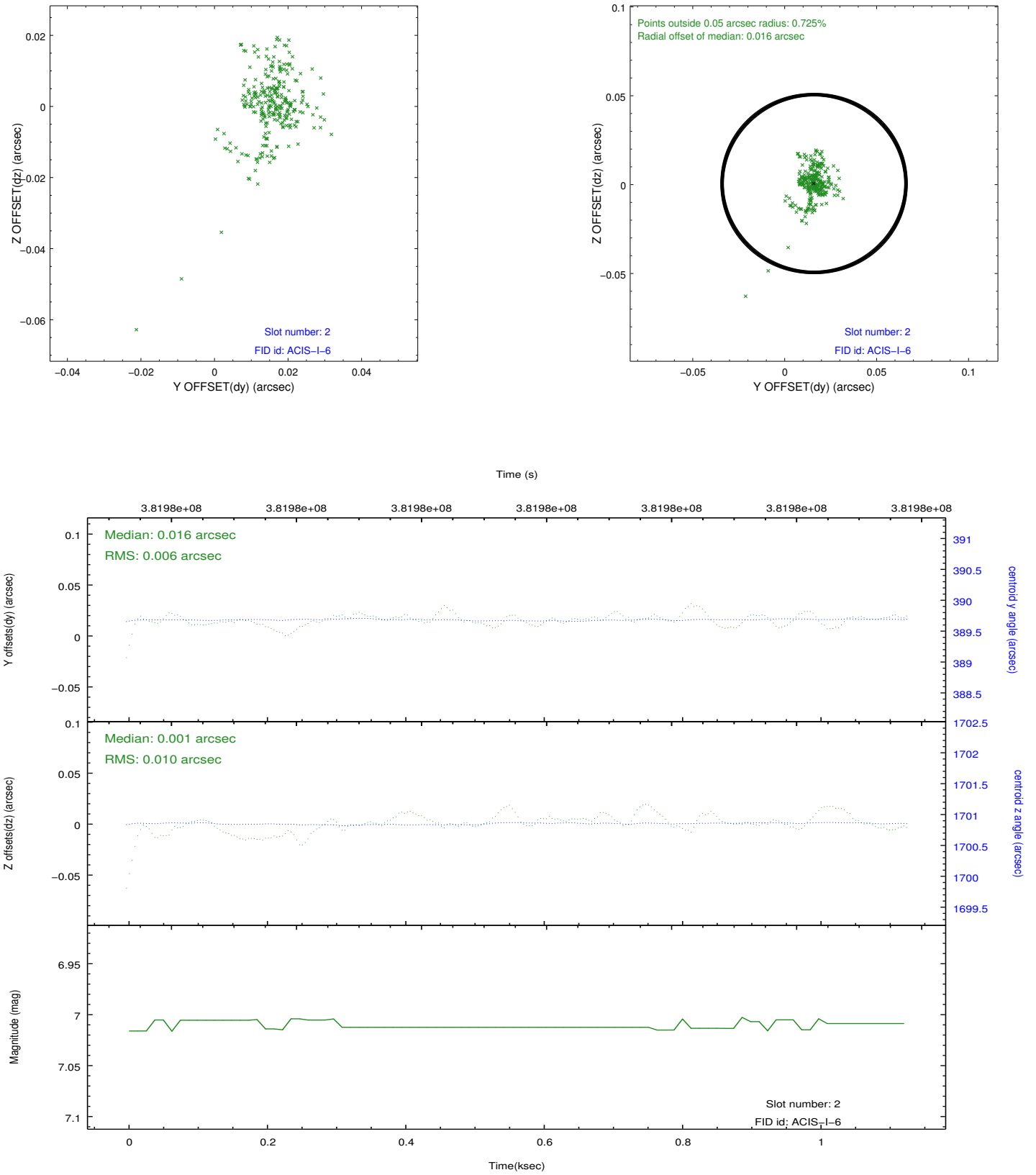
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1231999958754

A.2 Comments