

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1750 - L2 Version 4
Chandra X-Ray Center

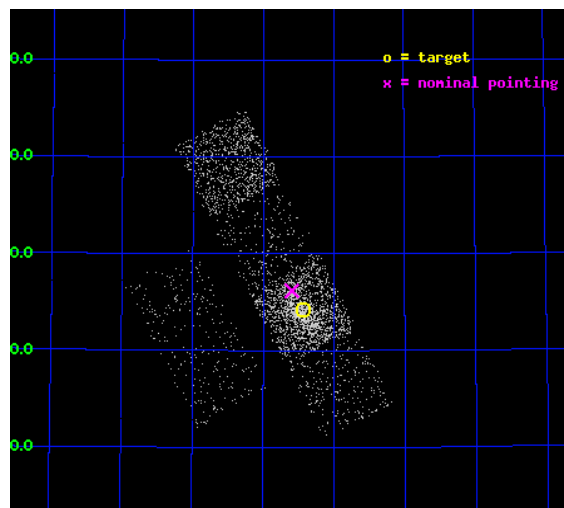
L2 Processing Date : Aug 30 2012

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1 Front

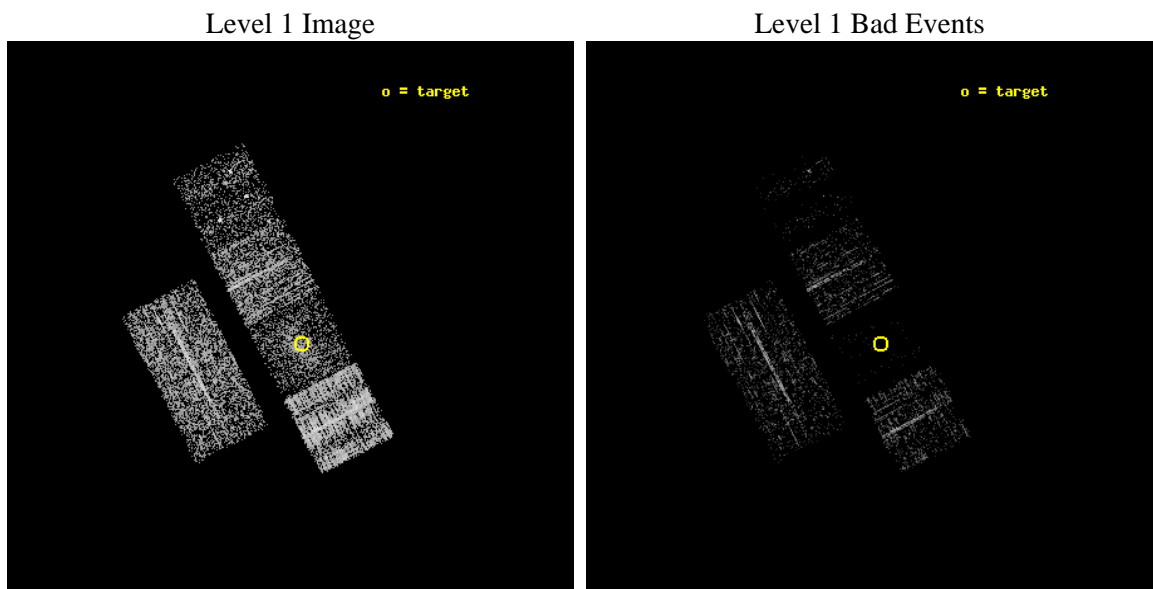
seq_num	100002	Sequence number
obs_id	1750	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	65.8602	Observer's specified target RA [deg]
dec_targ	60.40331	Observer's specified target Dec [deg]
ra_nom	65.898875557107	Nominal RA [deg]
dec_nom	60.43616342442	Nominal Dec [deg]
roll_nom	62.67635540478	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1203.2000011057	Sum of GTIs [s]
livetime	1187.9643582116	Livetime [s]
ontime2	1203.2000011057	Sum of GTIs [s]
ontime3	1203.2000011057	Sum of GTIs [s]
ontime5	1203.2000011057	Sum of GTIs [s]
ontime6	1203.2000011057	Sum of GTIs [s]
ontime7	1203.2000011057	Sum of GTIs [s]
ontime8	1203.2000011057	Sum of GTIs [s]
l2events	3384	Number of level 2 events



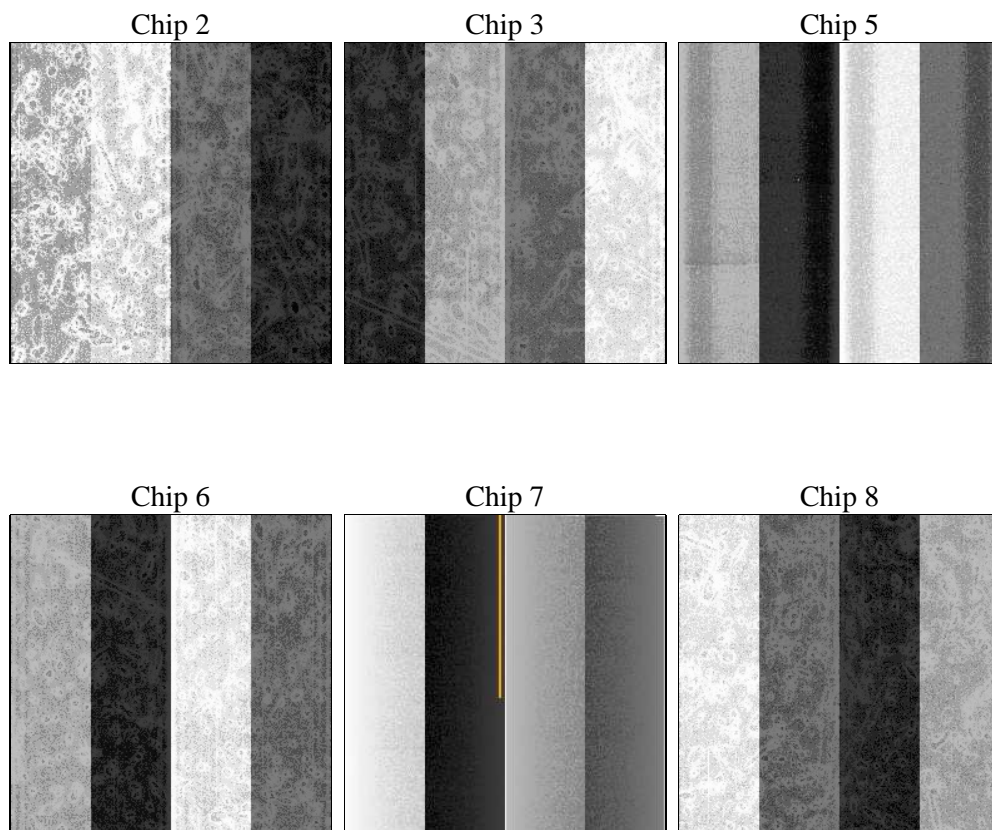
2 OBI

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	1203.2000011057	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1203.2000011057	Sum of GTIs [s]
date	2012-08-30T04:07:33	Date and time of file creation	ontime3	1203.2000011057	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1203.2000011057	Sum of GTIs [s]
			ontime6	1203.2000011057	Sum of GTIs [s]
			ontime7	1203.2000011057	Sum of GTIs [s]
			ontime8	1203.2000011057	Sum of GTIs [s]
			l1events	36810	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6757	5791	2588	5899	2597	13178
rejected events	6353	5600	1152	5483	770	6966
rejected %	94%	96%	44%	92%	29%	52%

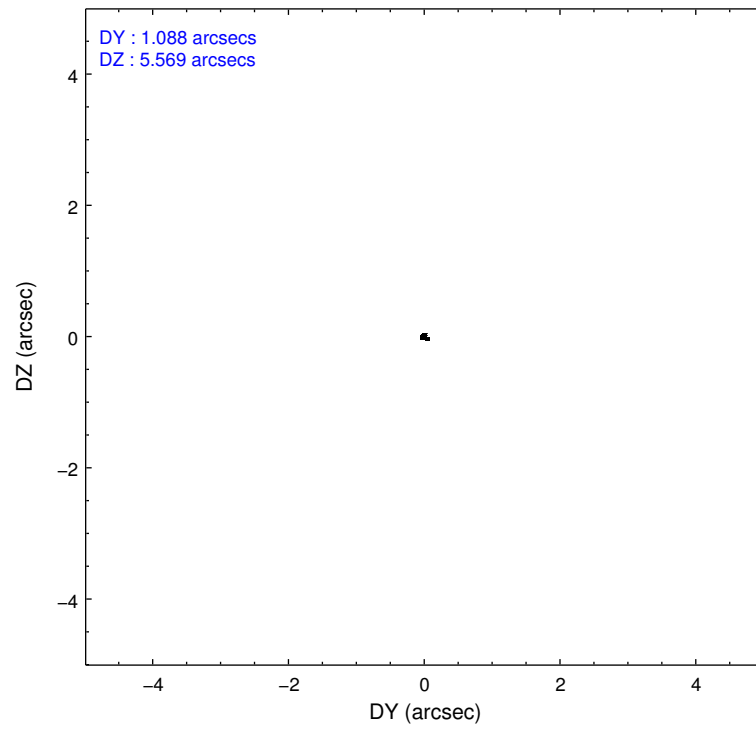
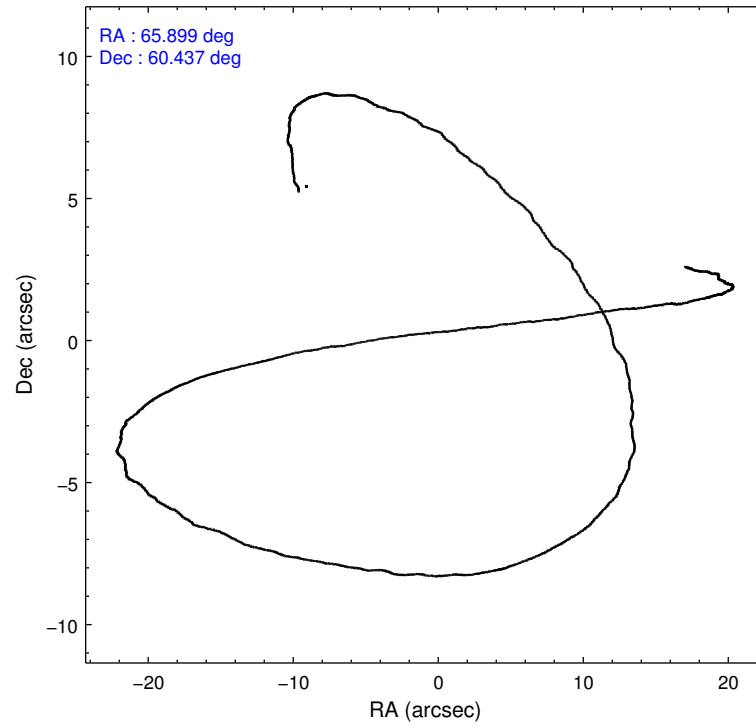
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	276	130	816	318	947	2829
	4%	2%	31%	5%	36%	21%
grade 1 events	2	2	15	3	7	21
	0%	0%	0%	0%	0%	0%
grade 2 events	121	23	525	101	624	741
	1%	0%	20%	1%	24%	5%
grade 3 events	31	40	161	28	252	1603
	0%	0%	6%	0%	9%	12%
grade 4 events	52	33	145	30	276	1399
	0%	0%	5%	0%	10%	10%
grade 5 events	11	1	103	3	73	89
	0%	0%	3%	0%	2%	0%
grade 6 events	29	9	136	15	217	1166
	0%	0%	5%	0%	8%	8%
grade 7 events	6235	5553	687	5401	201	5330
	92%	95%	26%	91%	7%	40%

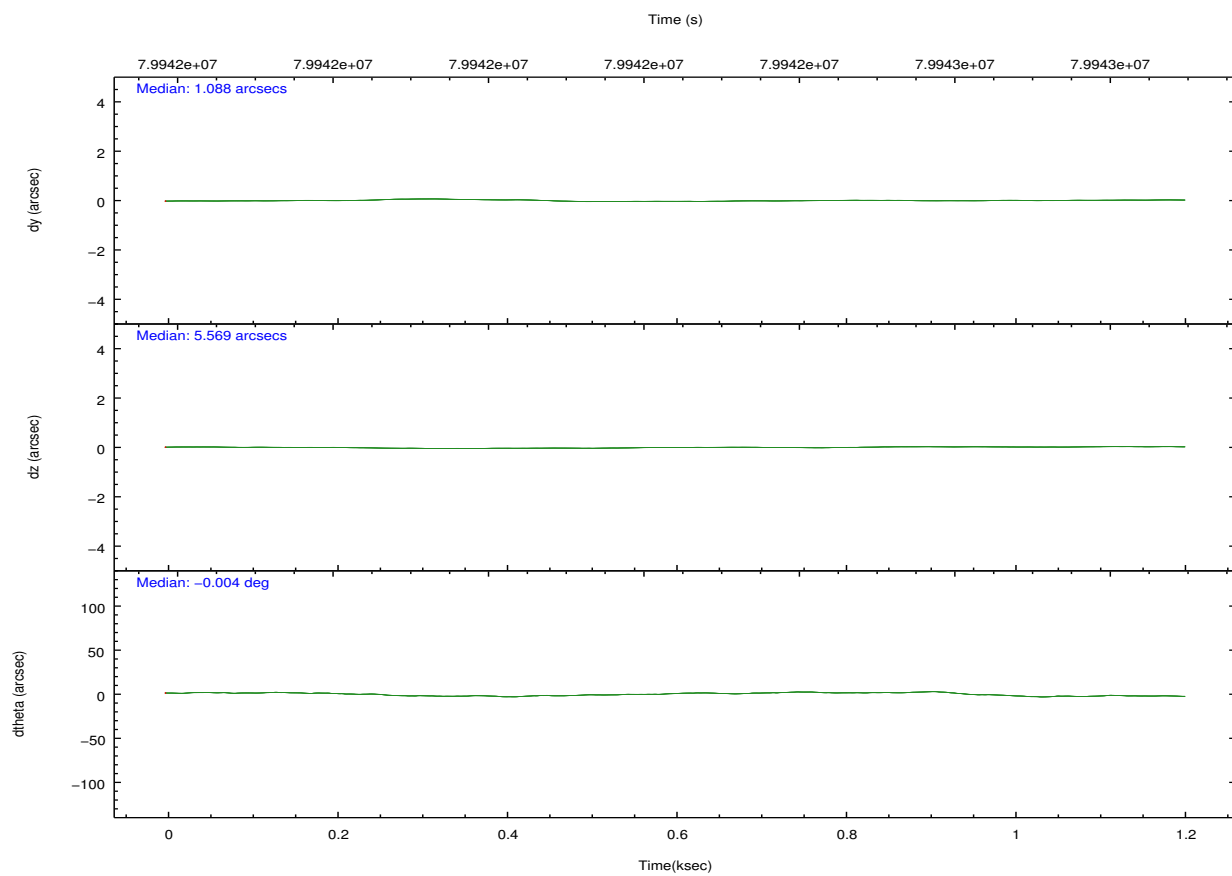
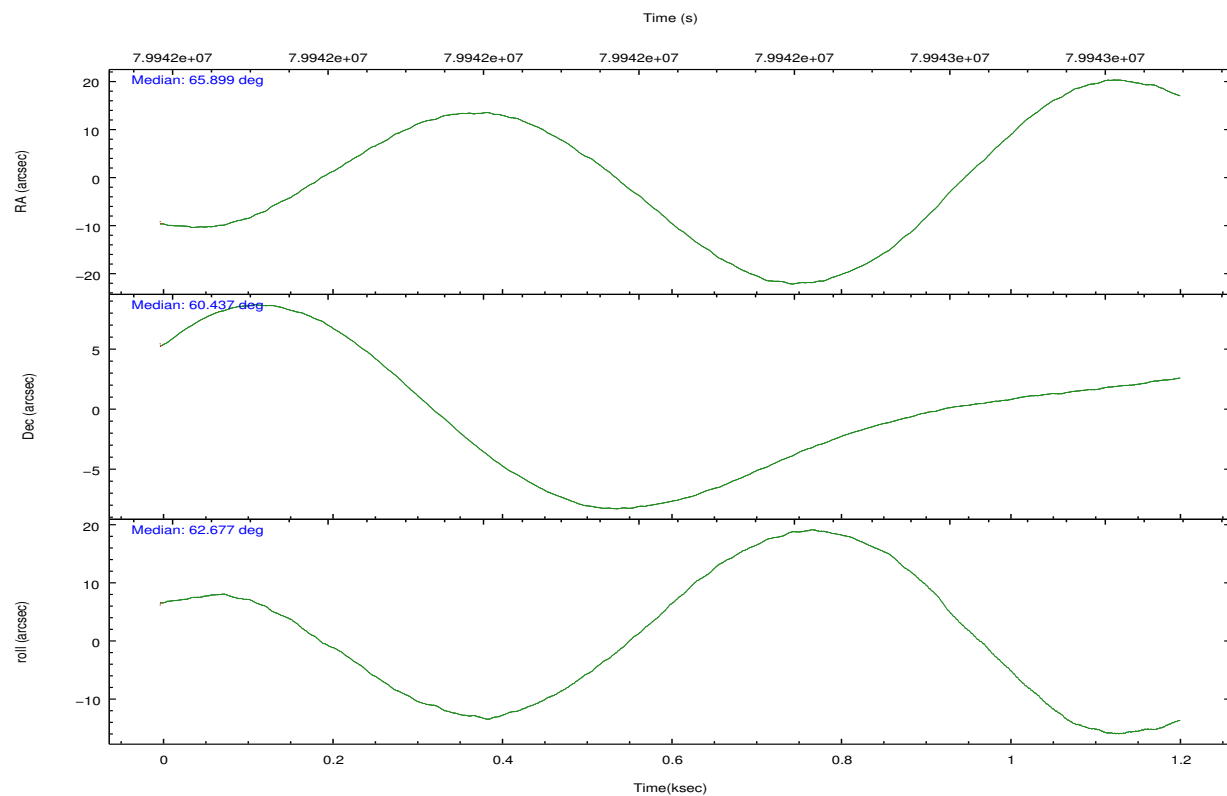
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	65.901426	65.89887555710708
[deg] Pointing Dec	60.408499	60.43616342442033
[deg] Pointing Roll	62.517540	62.67635540477971
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	79941839.184000	79941463.44444001
Observation start date	2000-07-14T06:02:55	2000-07-14T05:57:43
[s] Observation end time (MET)	79942839.184000	79942973.26949599
Observation end date	2000-07-14T06:19:35	2000-07-14T06:22:53
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



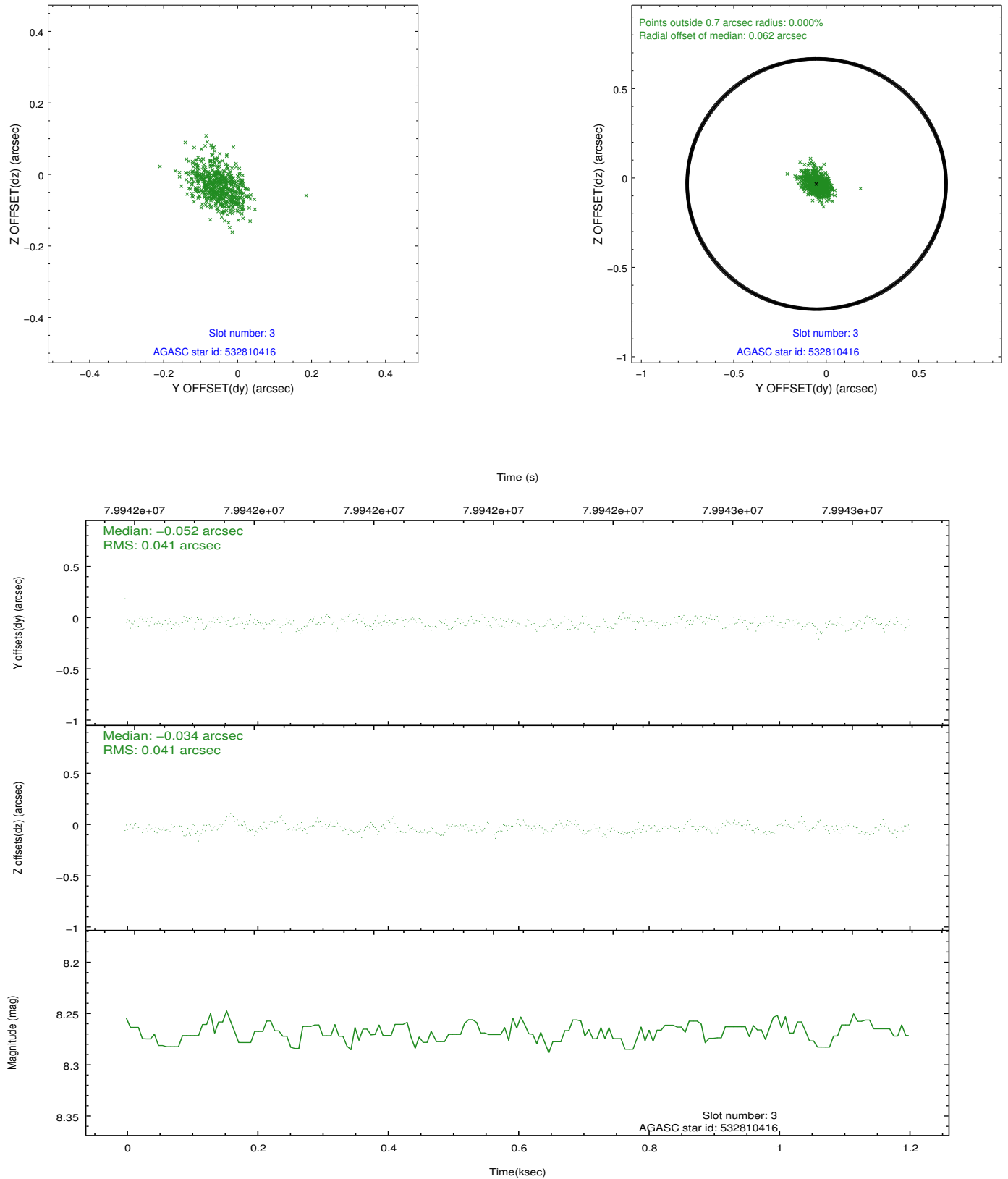


Slot Statistics

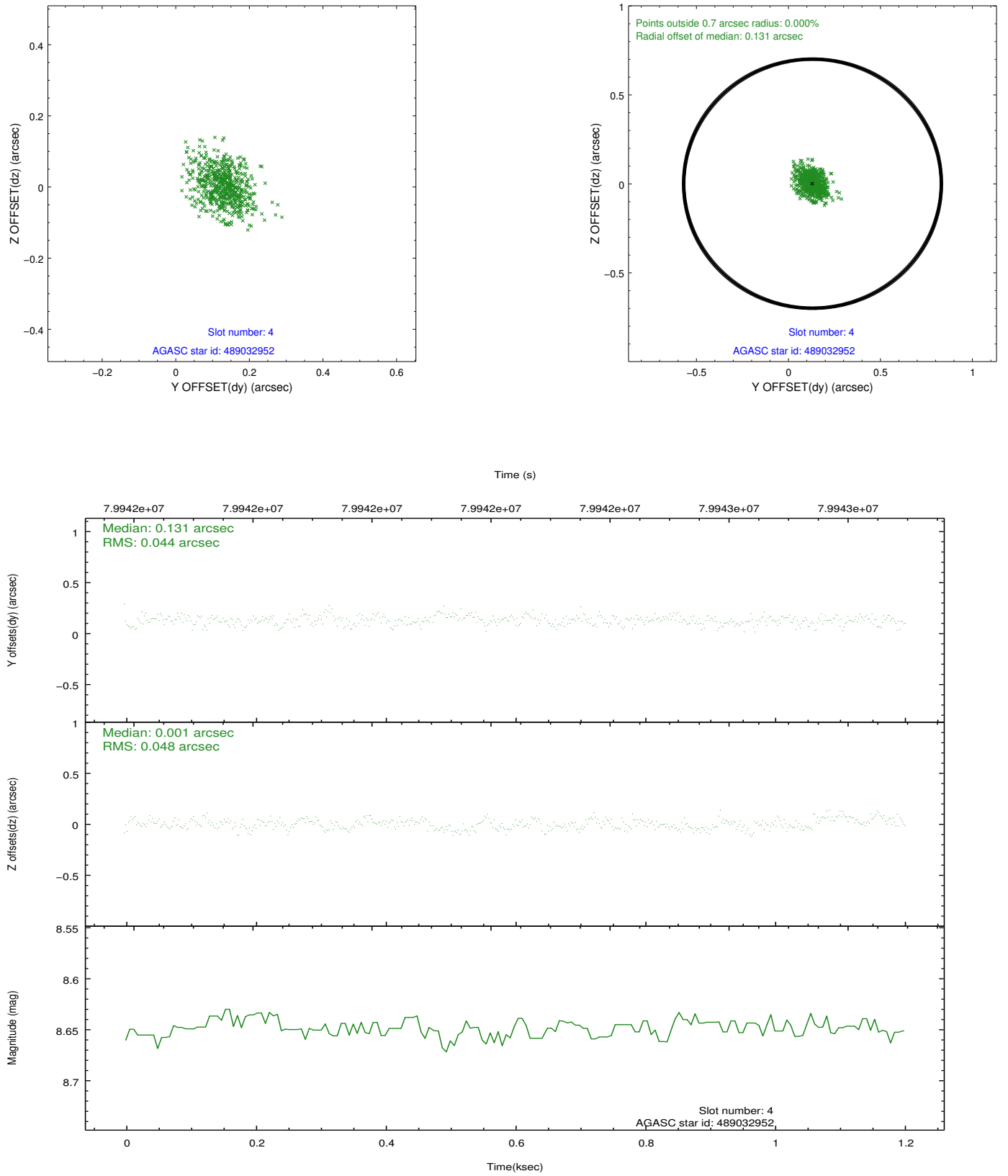
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	293	-0.027	-0.039	0.015	0.030	0.000000	0.000000	-753.71	-1726.73
1	FID	ACIS-S-4	7.19	293	-0.004	0.006	0.026	0.038	0.000000	0.000000	2157.09	176.06
2	FID	ACIS-S-6	7.35	294	0.003	0.042	0.023	0.030	0.000000	0.000000	415.44	819.81
3	GUIDE	532810416	8.27	587	-0.052	-0.034	0.062	0.098	65.589506	60.260431	-730.59	247.85
4	GUIDE	489032952	8.65	586	0.131	0.001	0.069	0.112	65.322332	59.901155	-2101.64	86.28
5	GUIDE	489032152	8.89	587	0.099	0.126	0.078	0.121	66.116960	59.873927	-1532.29	-1233.96
6	GUIDE	532820840	9.19	587	0.038	-0.085	0.078	0.137	65.827585	60.819790	1249.47	795.17
7	GUIDE	532813176	9.34	586	-0.217	-0.004	0.093	0.147	66.050304	61.096768	2318.15	914.20

2.4 Star Slots

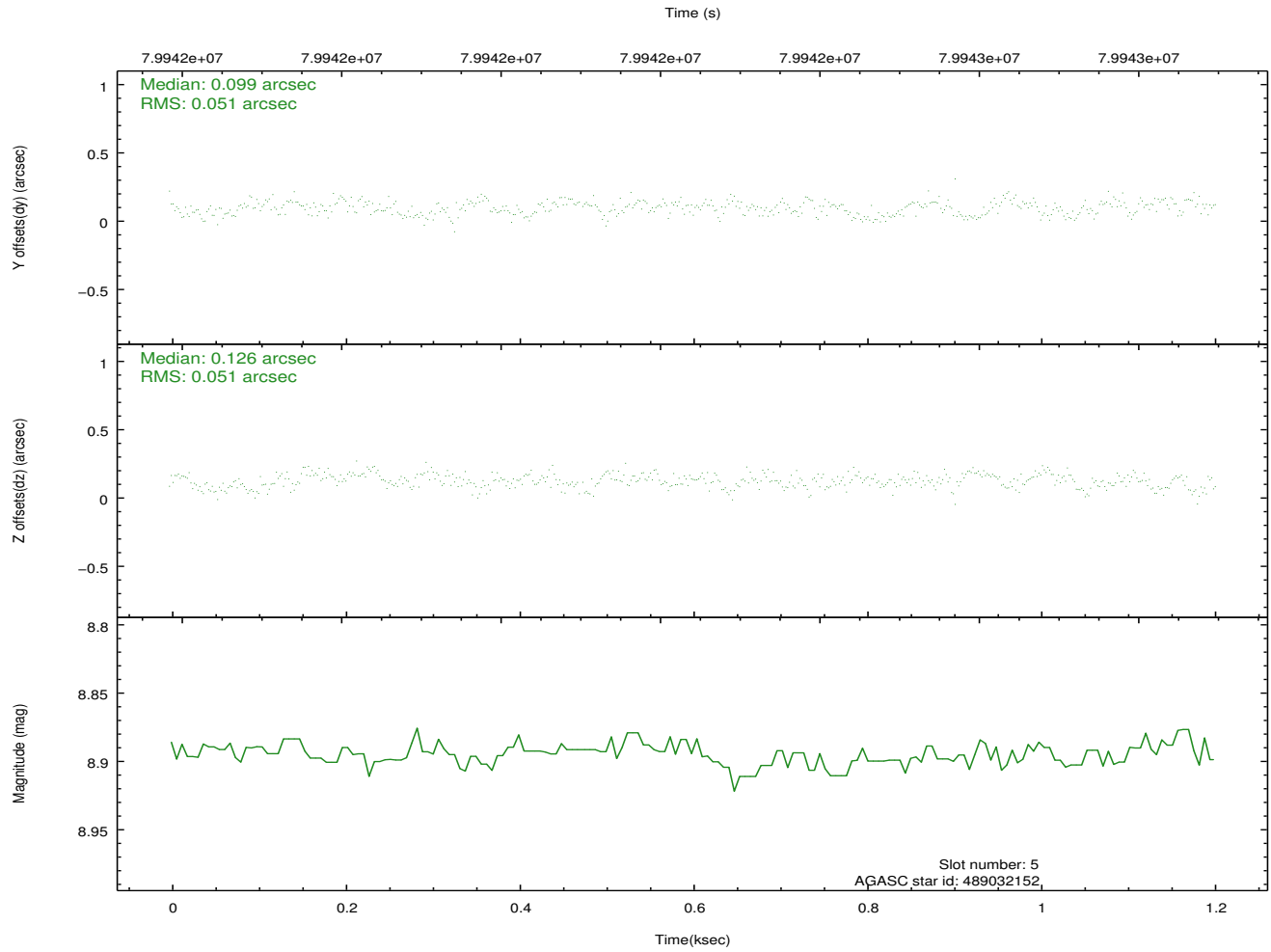
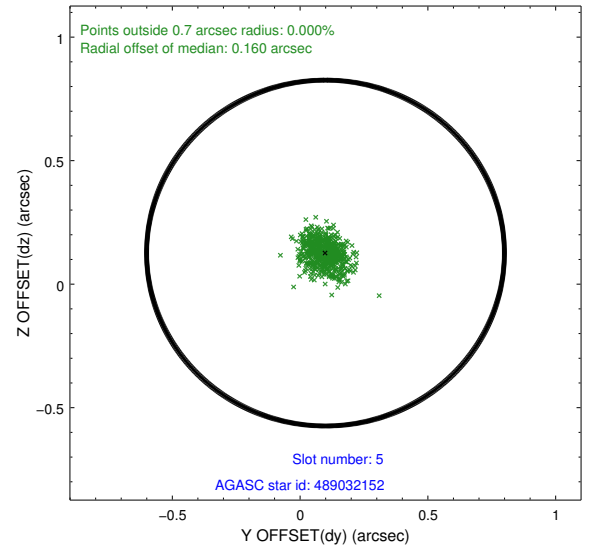
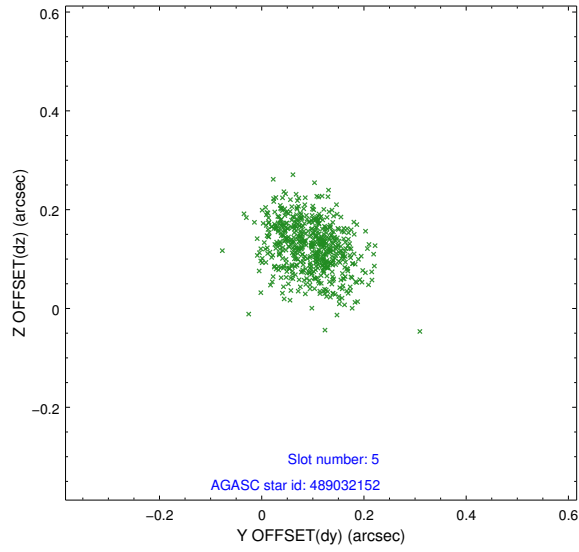
2.4.1 Slot 3



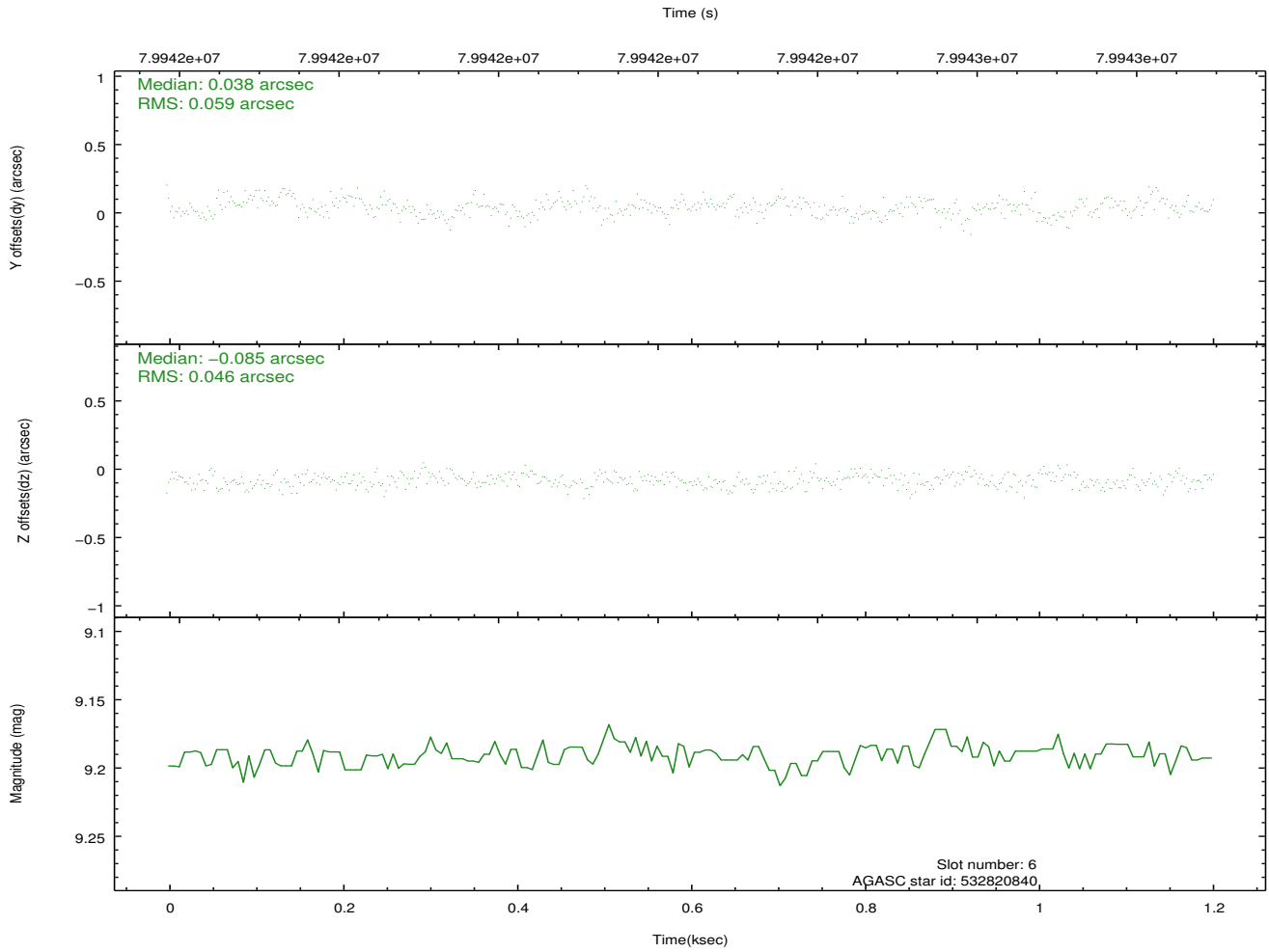
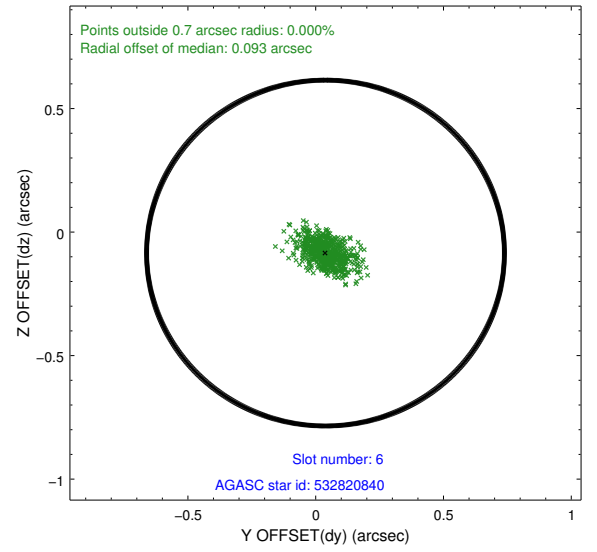
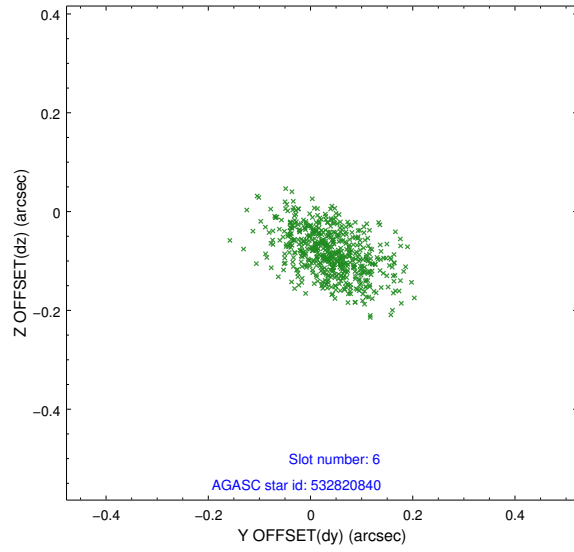
2.4.2 Slot 4



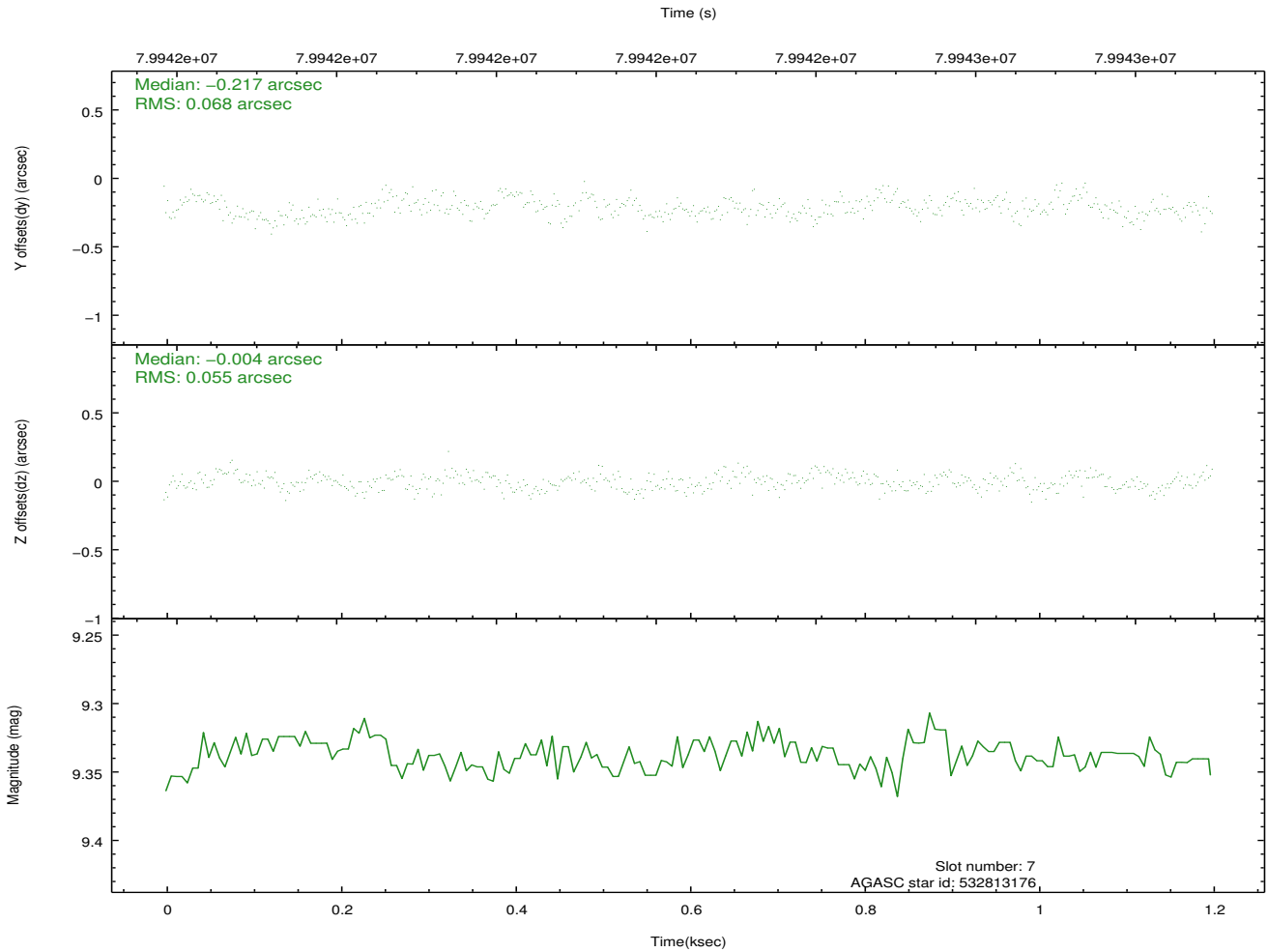
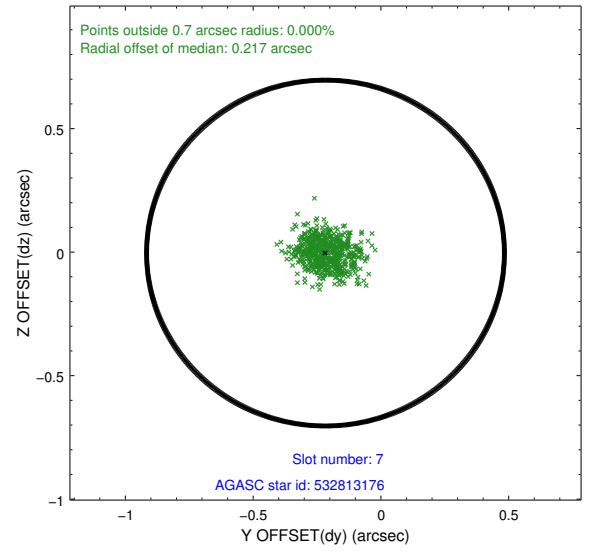
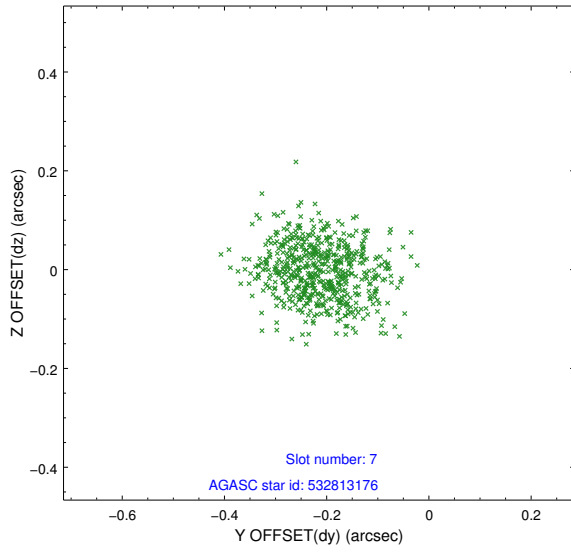
2.4.3 Slot 5



2.4.4 Slot 6

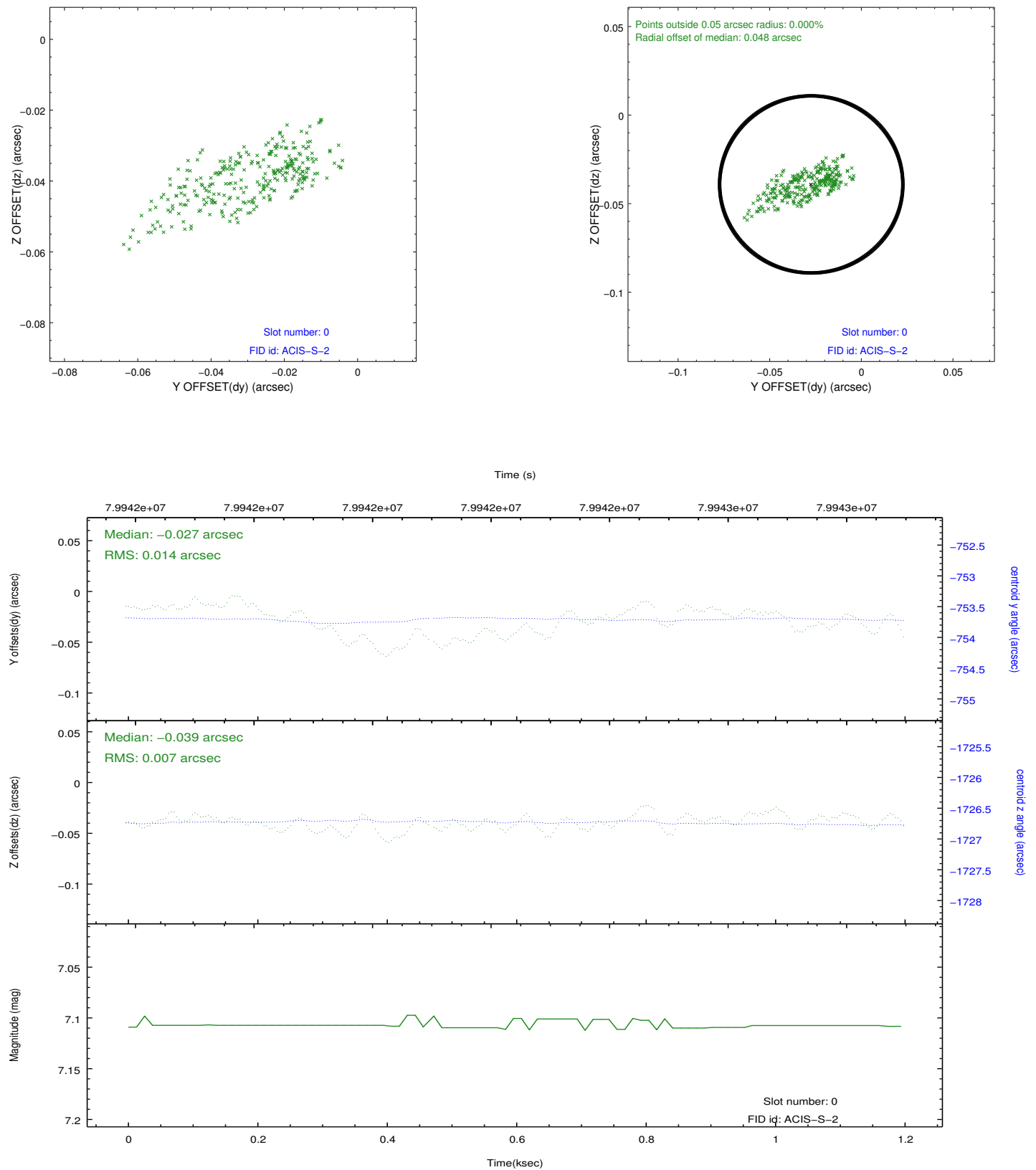


2.4.5 Slot 7

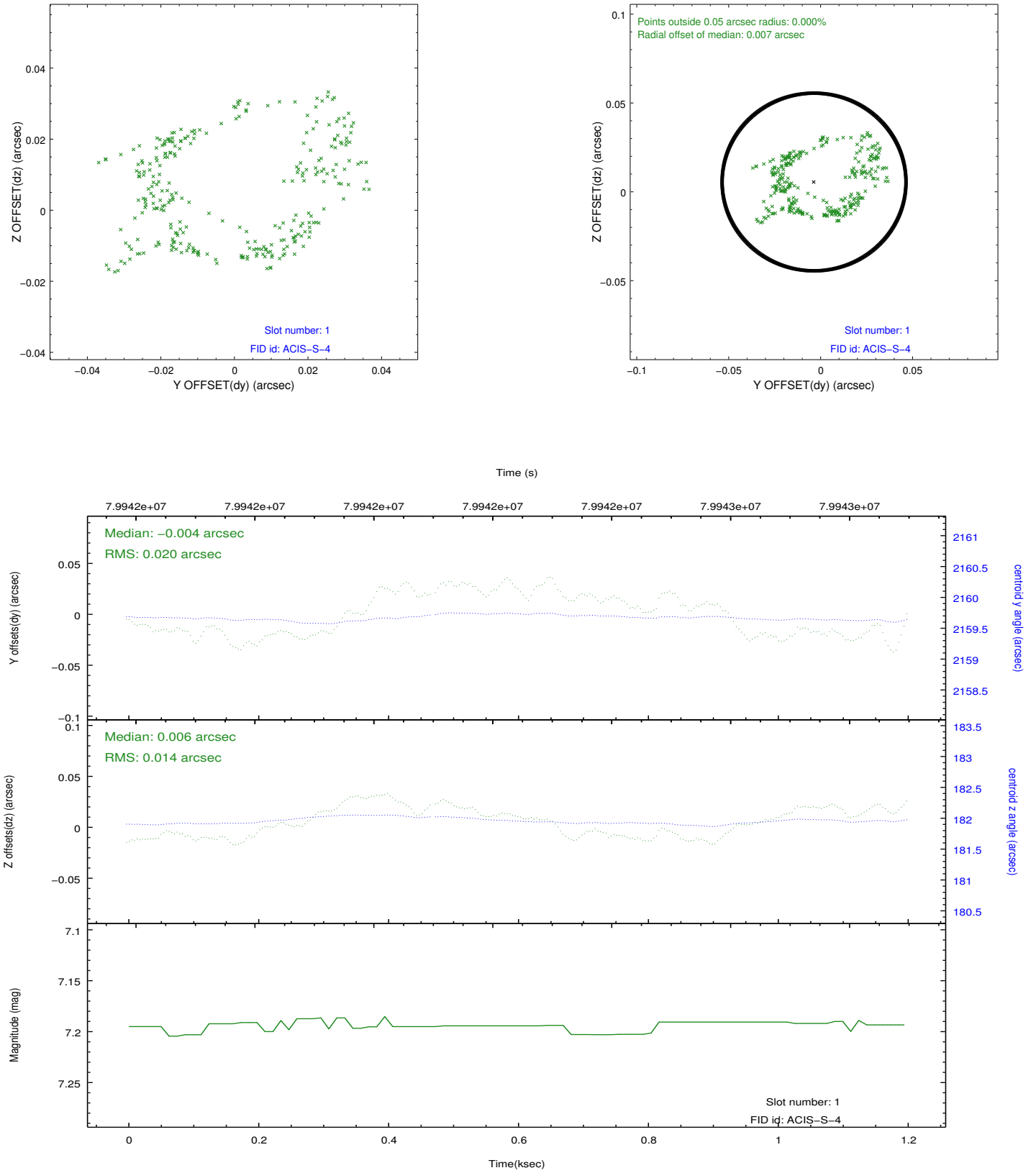


2.5 FID Slots

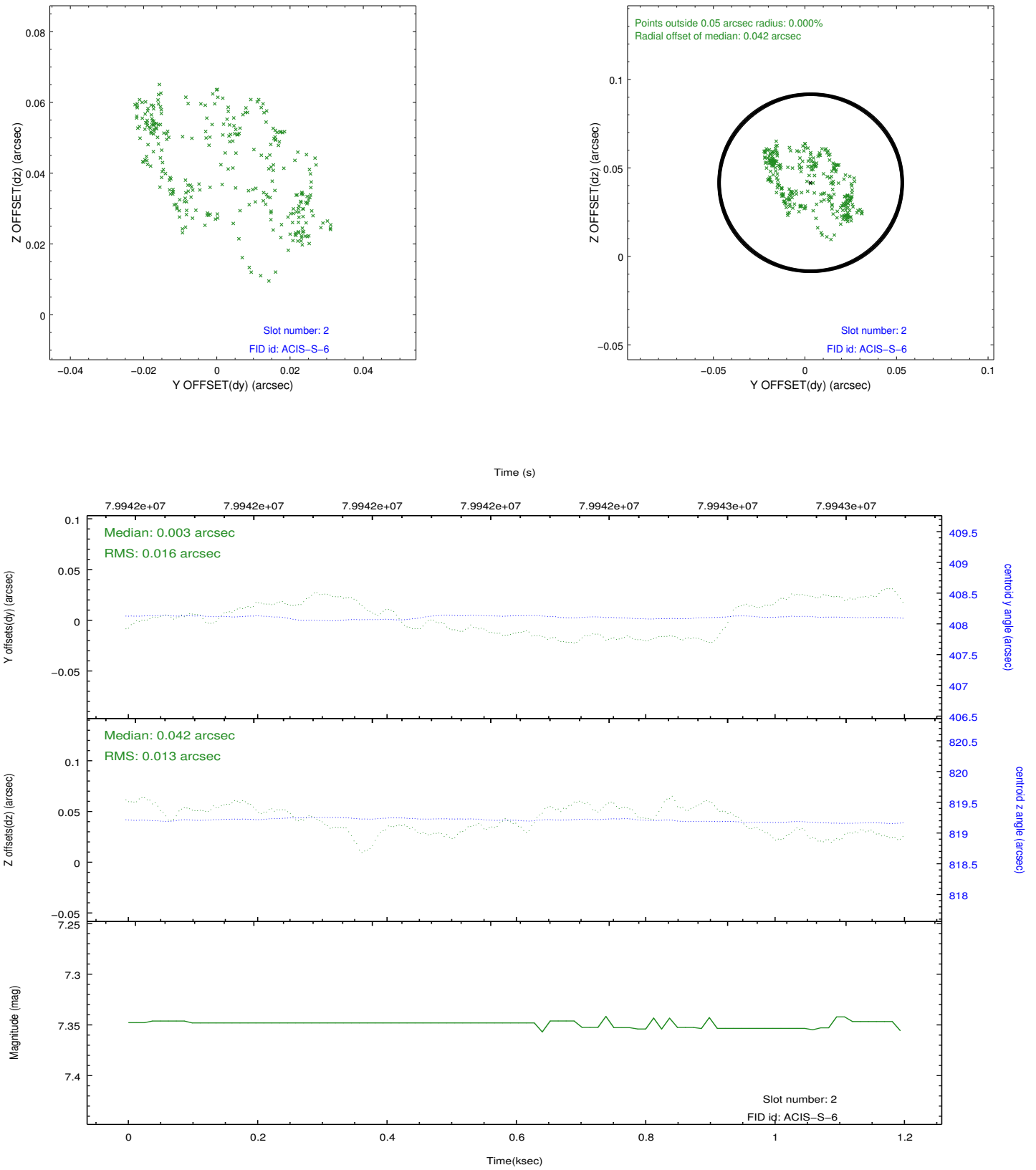
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.203

A.2 Comments