

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1754 - L2 Version 4
Chandra X-Ray Center

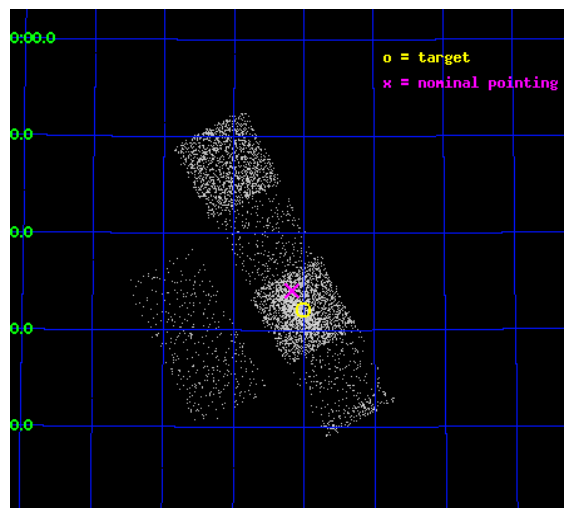
L2 Processing Date : Aug 30 2012

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1 Front

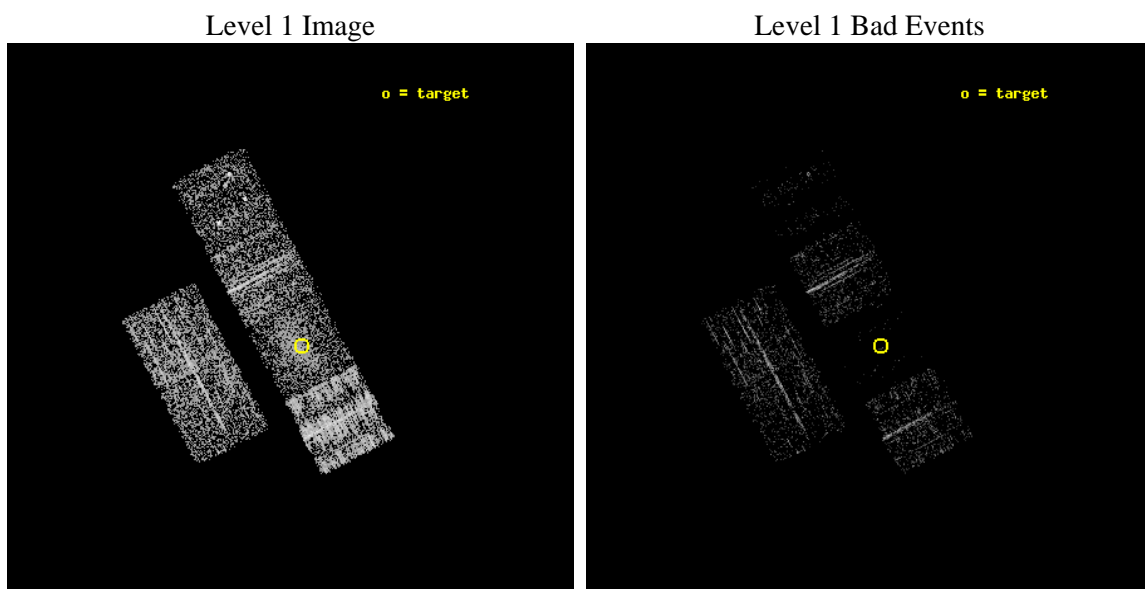
seq_num	100002	Sequence number
obs_id	1754	Observation id
title	AXAF LOW ENERGY SPECTROSCOPY AND PHOTOMETRIC IMAGING OF COMETARY X-RAY EMISSION FROM COMET P/TEMPEL 2	Proposal title
observer	Dr. Carey Lisse	Principal investigator
object	LINEAR 1999 S4	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	66.25371	Observer's specified target RA [deg]
dec_targ	60.53506	Observer's specified target Dec [deg]
ra_nom	66.293024105858	Nominal RA [deg]
dec_nom	60.567885158805	Nominal Dec [deg]
roll_nom	62.238145271291	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1376.0000012666	Sum of GTIs [s]
livetime	1358.5762607228	Livetime [s]
ontime2	1376.0000012666	Sum of GTIs [s]
ontime3	1376.0000012666	Sum of GTIs [s]
ontime5	1376.0000012666	Sum of GTIs [s]
ontime6	1376.0000012666	Sum of GTIs [s]
ontime7	1376.0000012666	Sum of GTIs [s]
ontime8	1376.0000012666	Sum of GTIs [s]
l2events	5516	Number of level 2 events



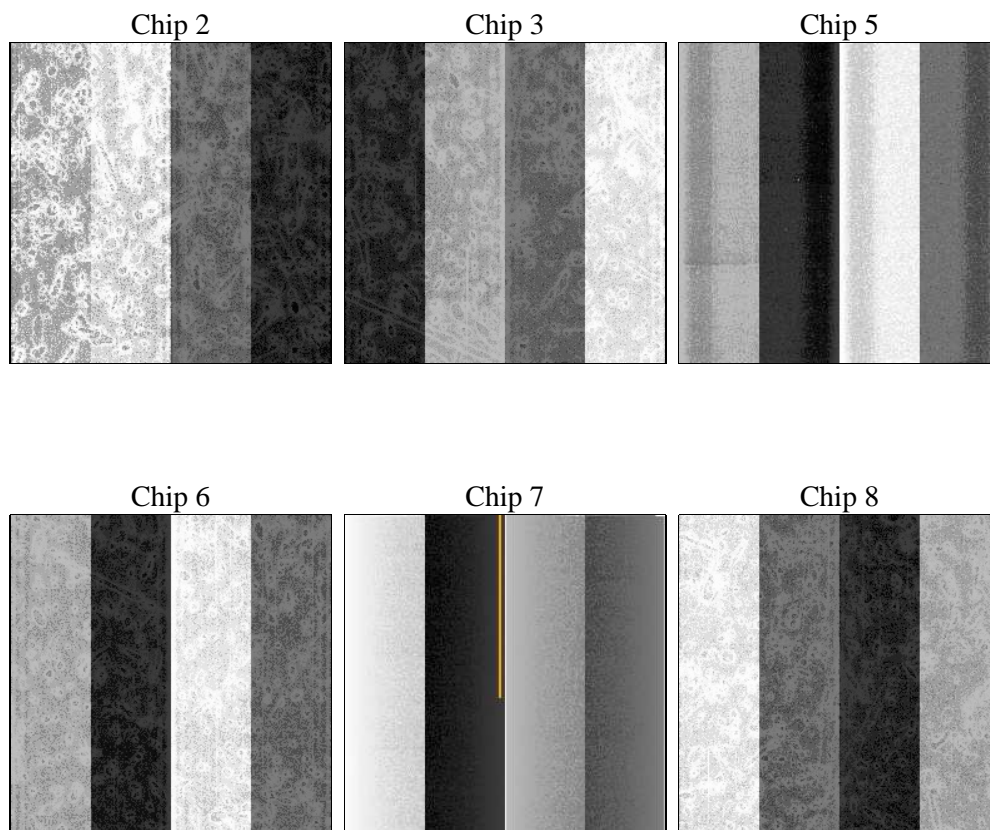
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1180.024000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1376.0000012666	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime2	1376.0000012666	Sum of GTIs [s]
date	2012-08-30T04:08:11	Date and time of file creation	ontime3	1376.0000012666	Sum of GTIs [s]
revision	4	Processing version of data	ontime5	1376.0000012666	Sum of GTIs [s]
			ontime6	1376.0000012666	Sum of GTIs [s]
			ontime7	1376.0000012666	Sum of GTIs [s]
			ontime8	1376.0000012666	Sum of GTIs [s]
			l1events	37366	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	6824	5140	3403	5915	3505	12579
rejected events	6346	4855	1108	5440	611	6409
rejected %	92%	94%	32%	91%	17%	50%

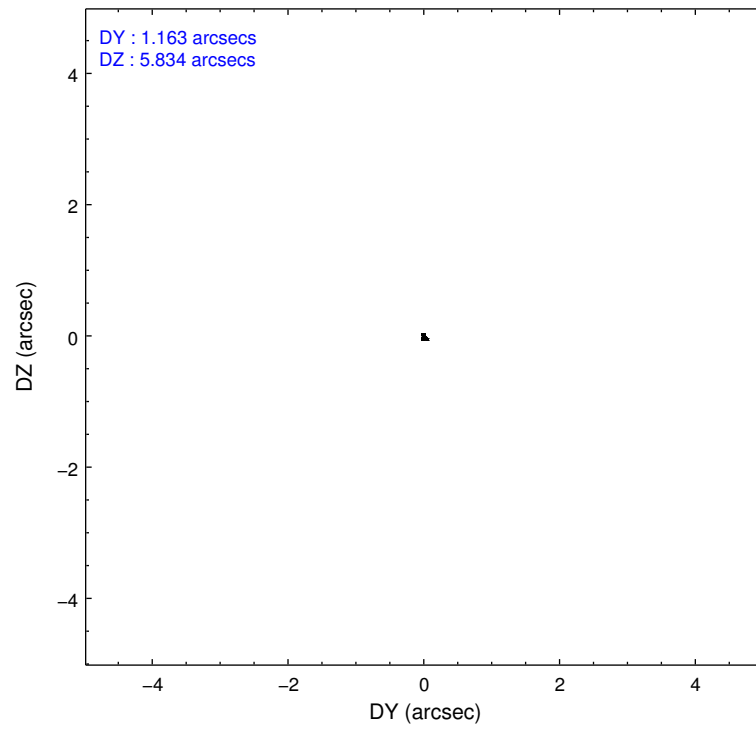
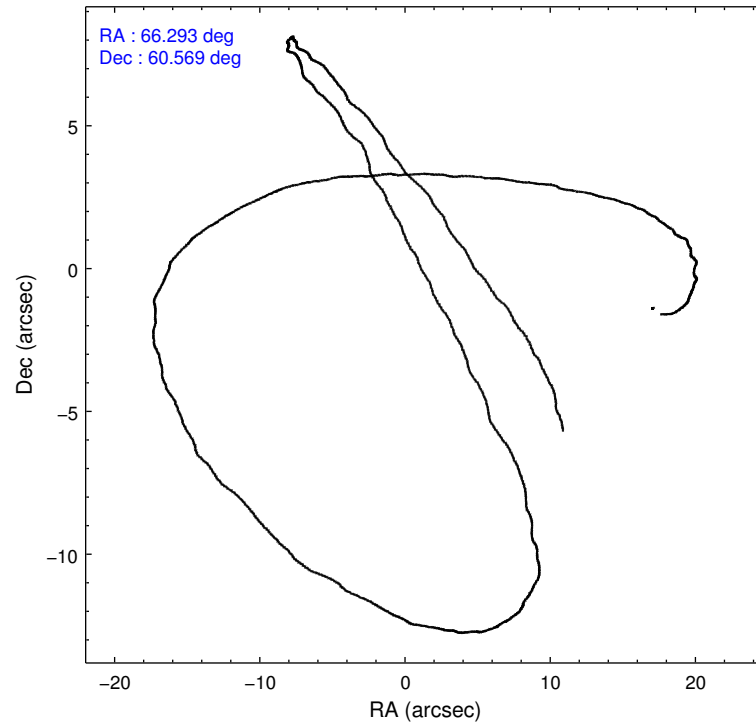
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	311	195	1083	367	1336	2677
	4%	3%	31%	6%	38%	21%
grade 1 events	0	0	8	2	5	15
	0%	0%	0%	0%	0%	0%
grade 2 events	112	30	782	97	826	637
	1%	0%	22%	1%	23%	5%
grade 3 events	34	39	228	32	354	1507
	0%	0%	6%	0%	10%	11%
grade 4 events	62	31	217	34	366	1273
	0%	0%	6%	0%	10%	10%
grade 5 events	15	7	111	3	62	71
	0%	0%	3%	0%	1%	0%
grade 6 events	25	18	219	14	330	1043
	0%	0%	6%	0%	9%	8%
grade 7 events	6265	4820	755	5366	226	5356
	91%	93%	22%	90%	6%	42%

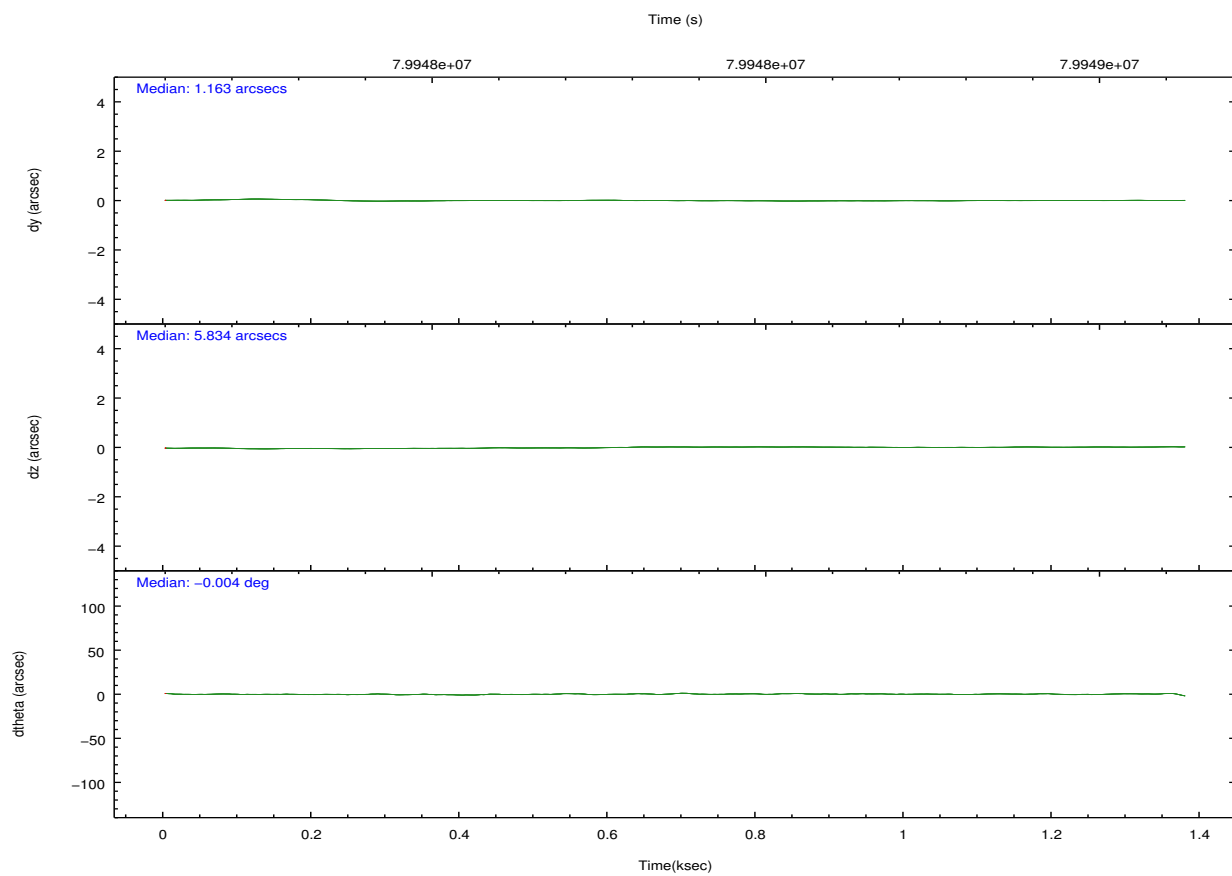
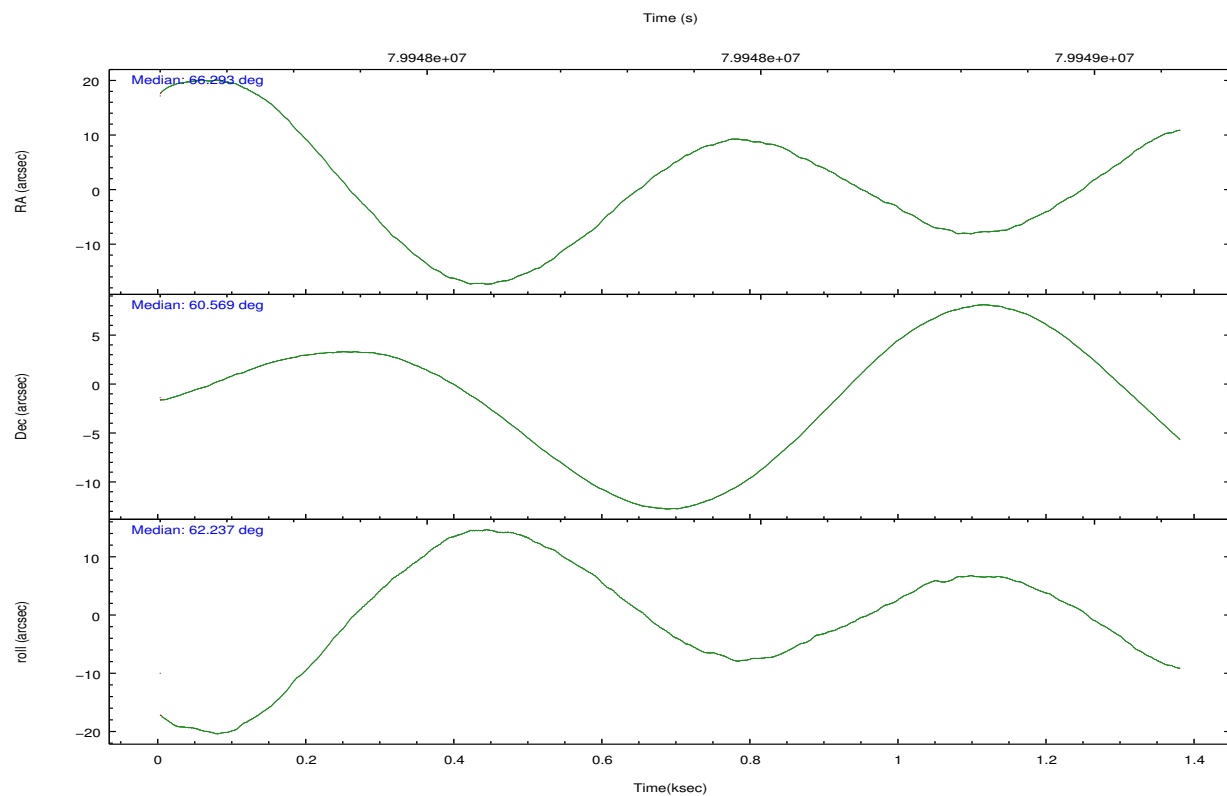
2.2 Compared Parameters

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	66.295177	66.29302410585792
[deg] Pointing Dec	60.540092	60.56788515880478
[deg] Pointing Roll	62.079664	62.23814527129051
[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)	79947879.184000	79947502.744663
Observation start date	2000-07-14T07:43:35	2000-07-14T07:38:22
[s] Observation end time (MET)	79949059.184000	79949368.757232
Observation end date	2000-07-14T08:03:15	2000-07-14T08:09:28
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



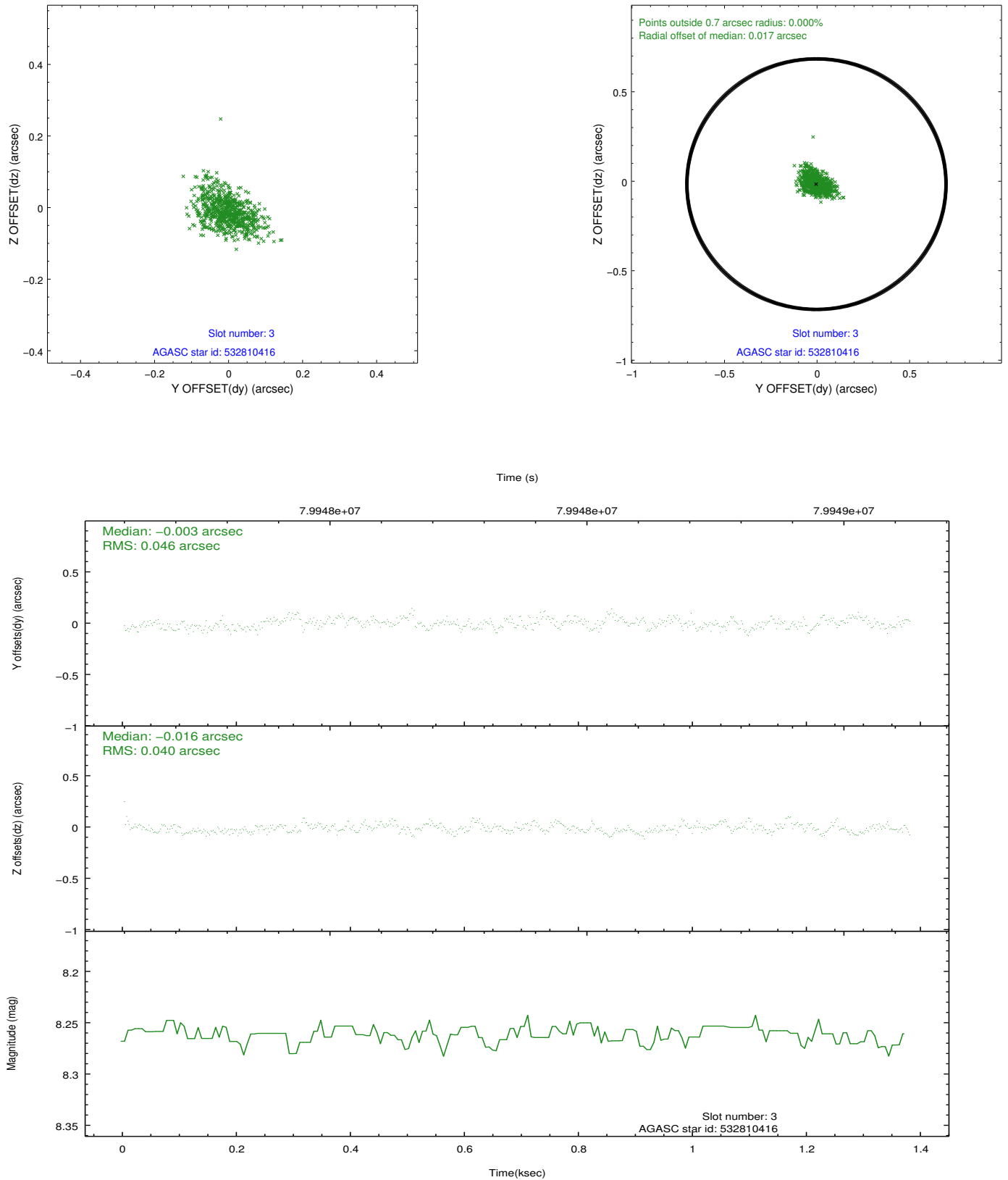


Slot Statistics

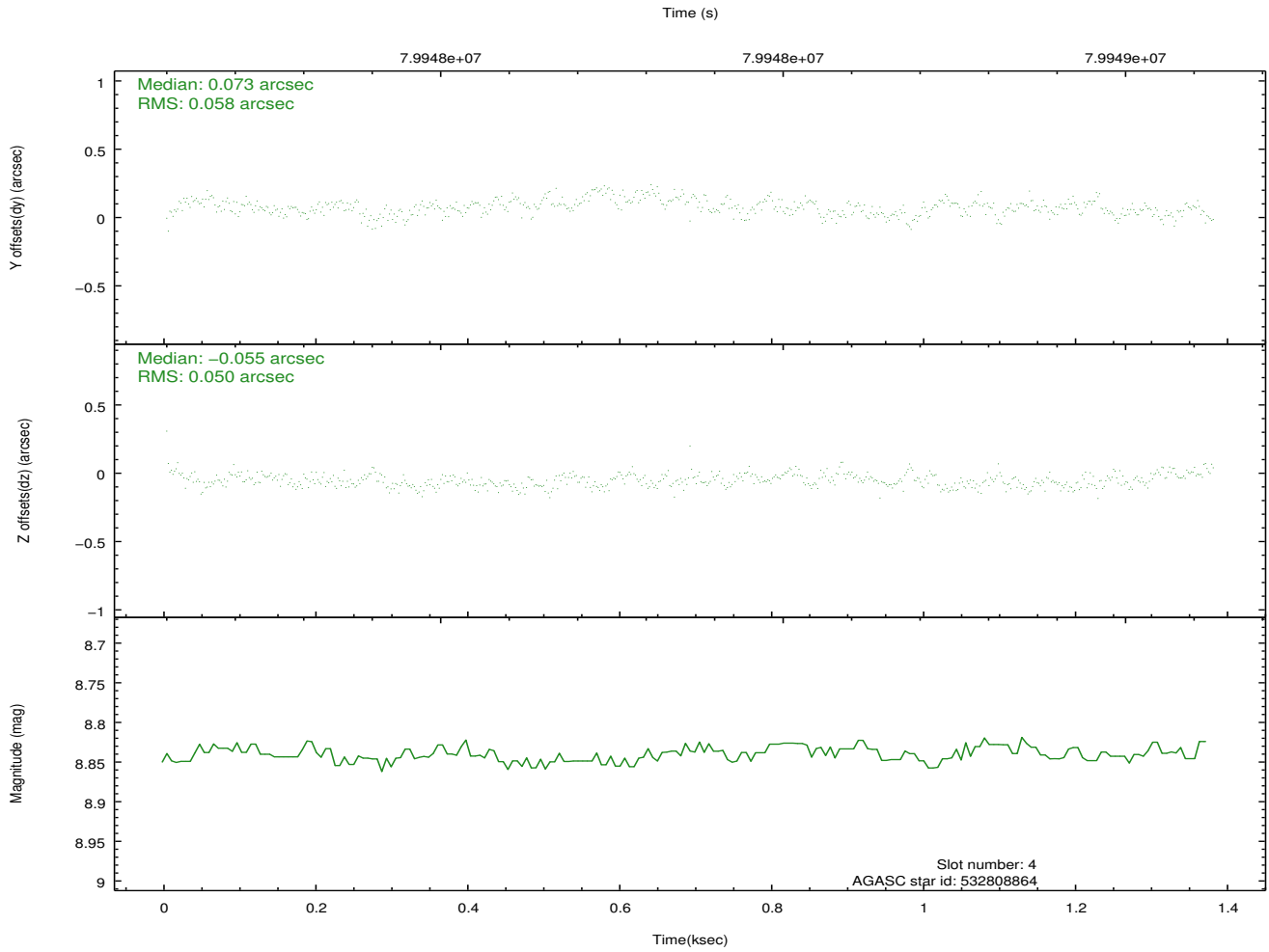
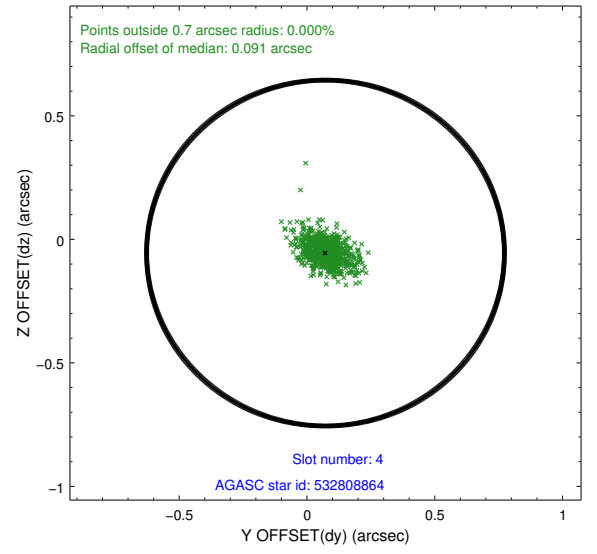
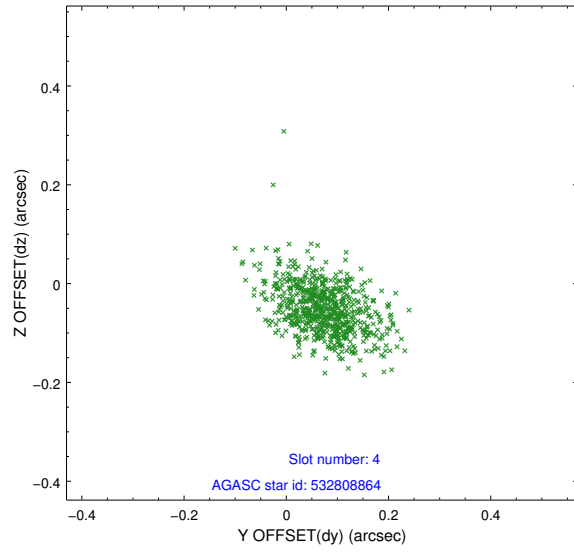
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	337	-0.036	0.012	0.006	0.012	0.000000	0.000000	-753.78	-1726.95
1	FID	ACIS-S-4	7.21	337	-0.017	0.014	0.007	0.013	0.000000	0.000000	2157.34	176.59
2	FID	ACIS-S-5	7.23	337	0.021	-0.017	0.007	0.012	0.000000	0.000000	-1800.38	175.68
3	GUIDE	532810416	8.26	673	-0.003	-0.016	0.065	0.109	65.589506	60.260431	-1476.00	643.94
4	GUIDE	532808864	8.84	673	0.073	-0.055	0.078	0.138	65.742578	60.215294	-1496.63	327.21
5	GUIDE	489032152	8.89	673	0.156	0.154	0.074	0.124	66.116960	59.873927	-2273.79	-838.92
6	GUIDE	532808776	9.05	673	-0.087	-0.016	0.082	0.139	66.101653	61.223764	2012.36	1446.61
7	GUIDE	532813176	9.33	672	-0.130	-0.075	0.087	0.152	66.050304	61.096768	1572.52	1316.11

2.4 Star Slots

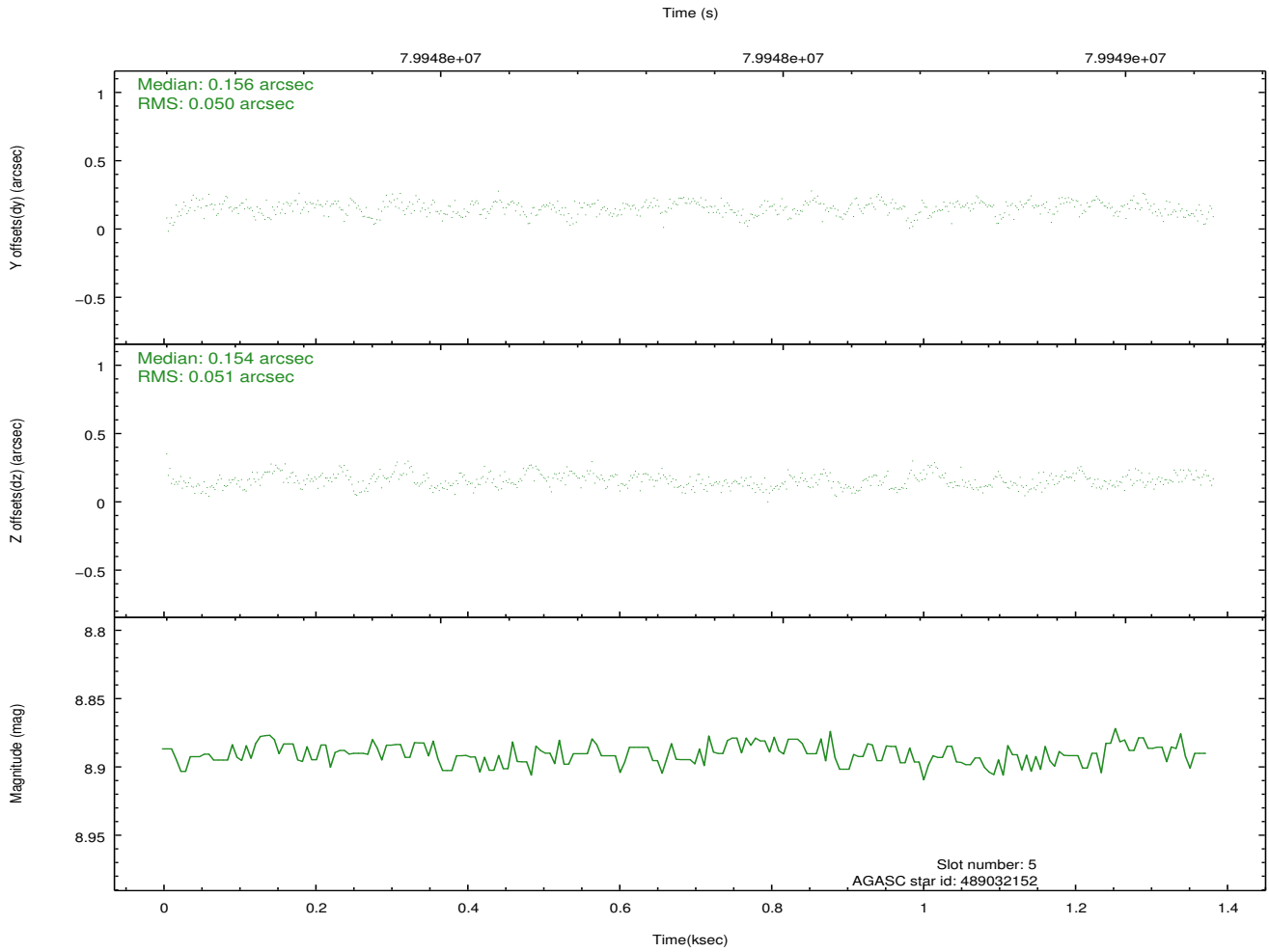
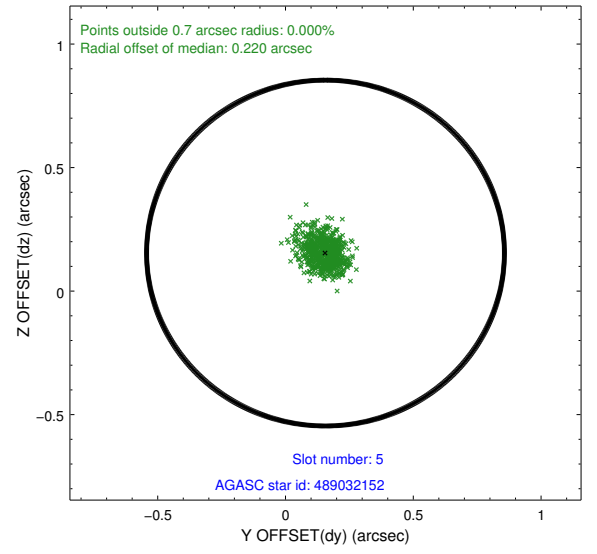
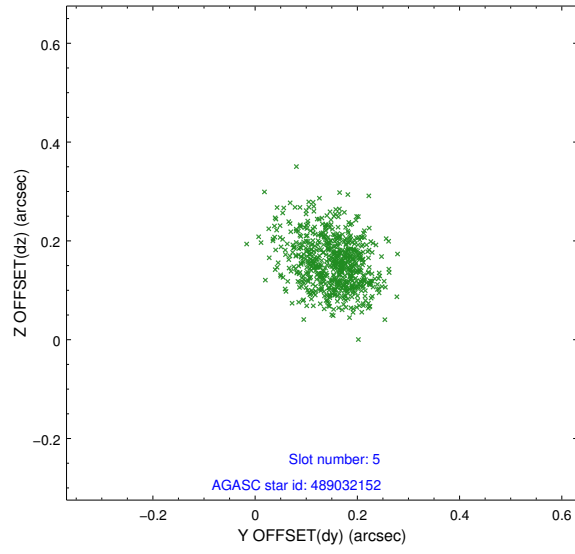
2.4.1 Slot 3



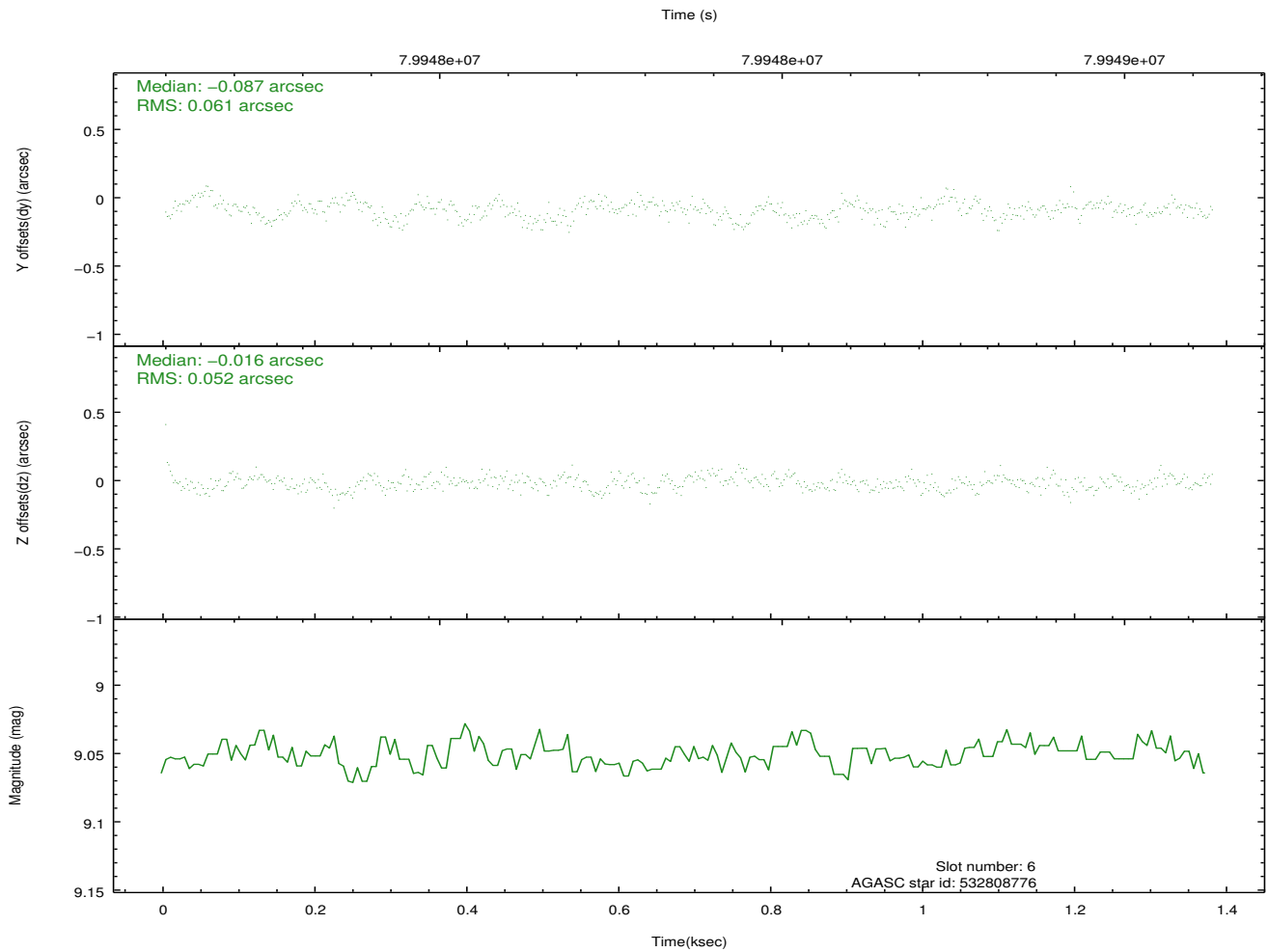
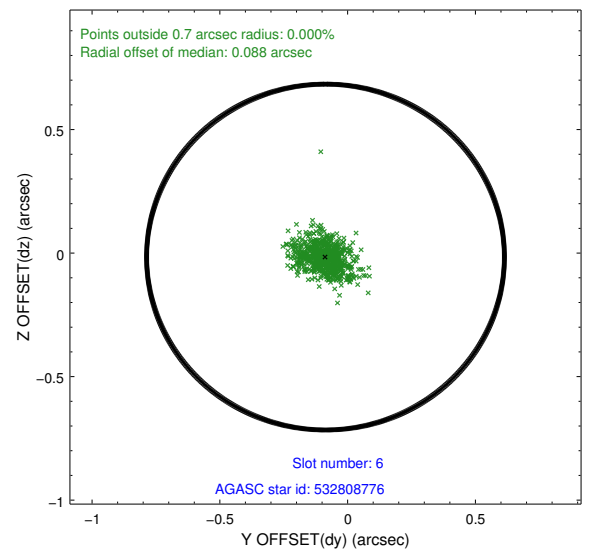
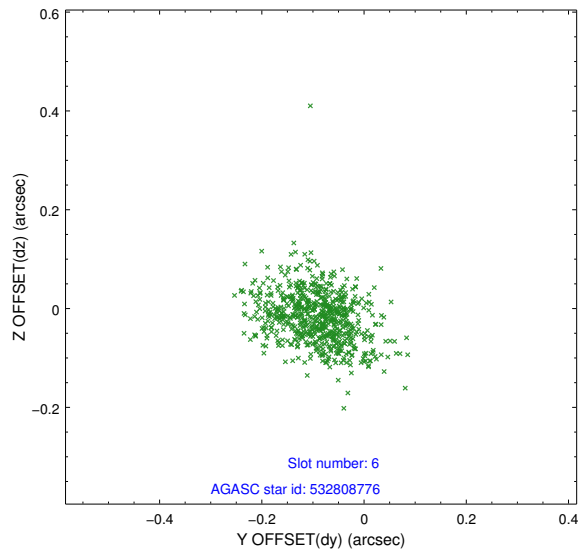
2.4.2 Slot 4



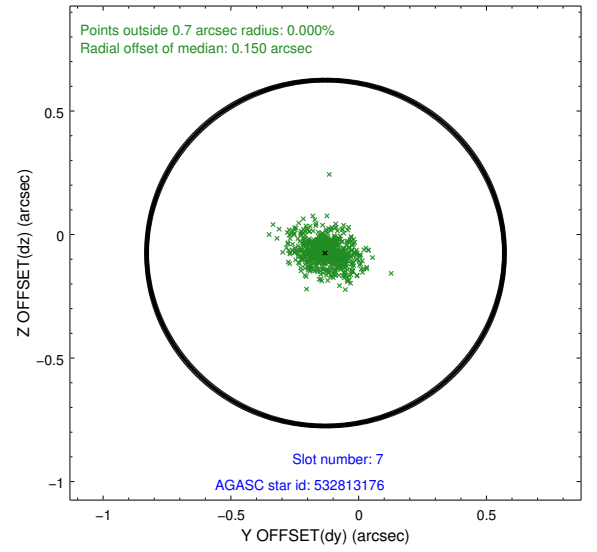
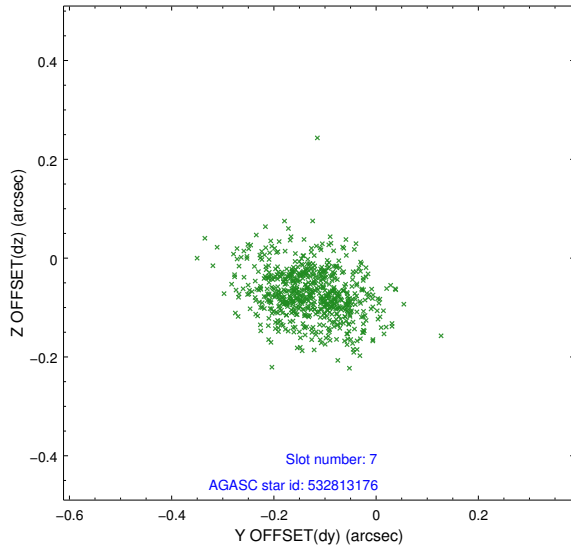
2.4.3 Slot 5



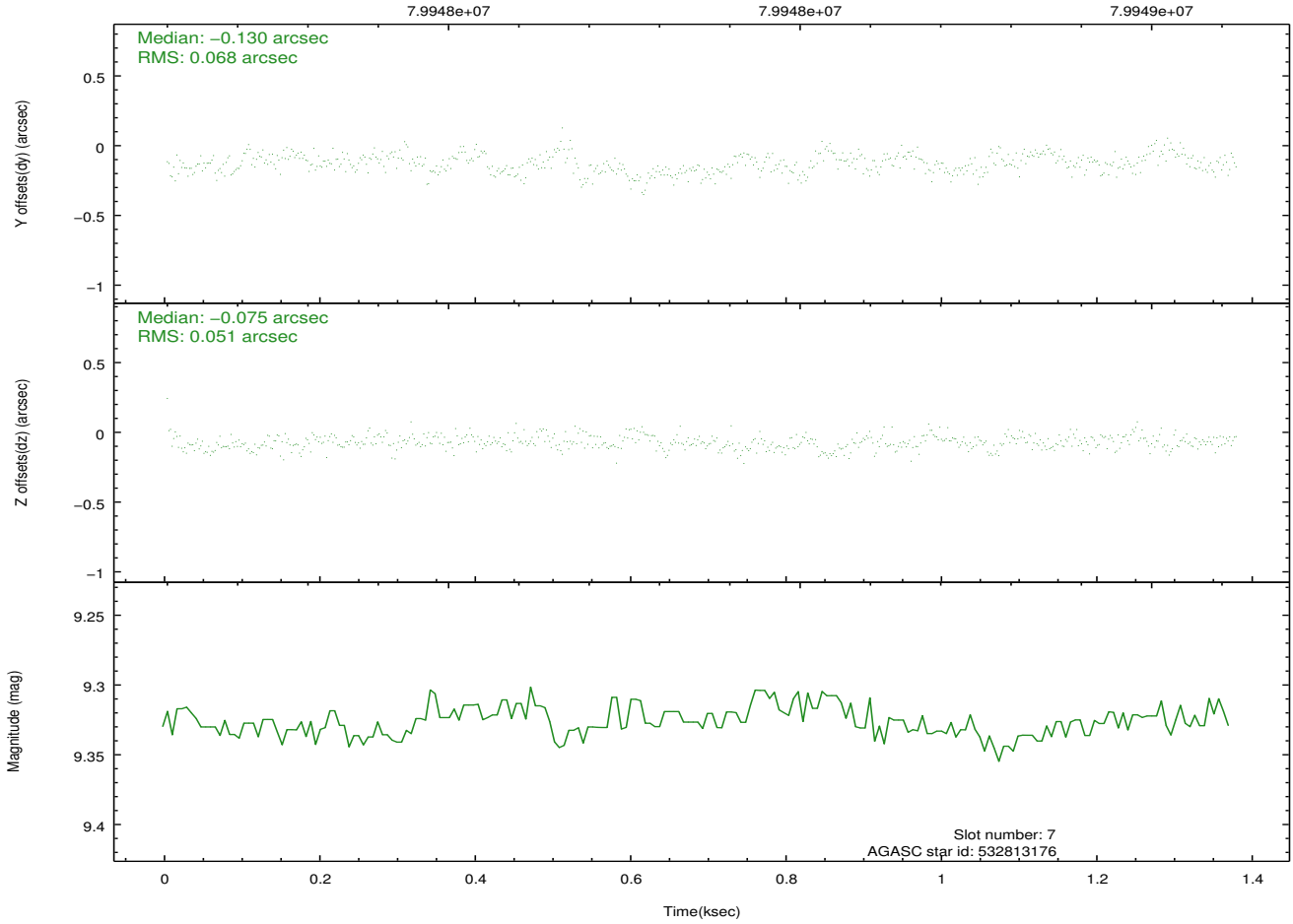
2.4.4 Slot 6



2.4.5 Slot 7

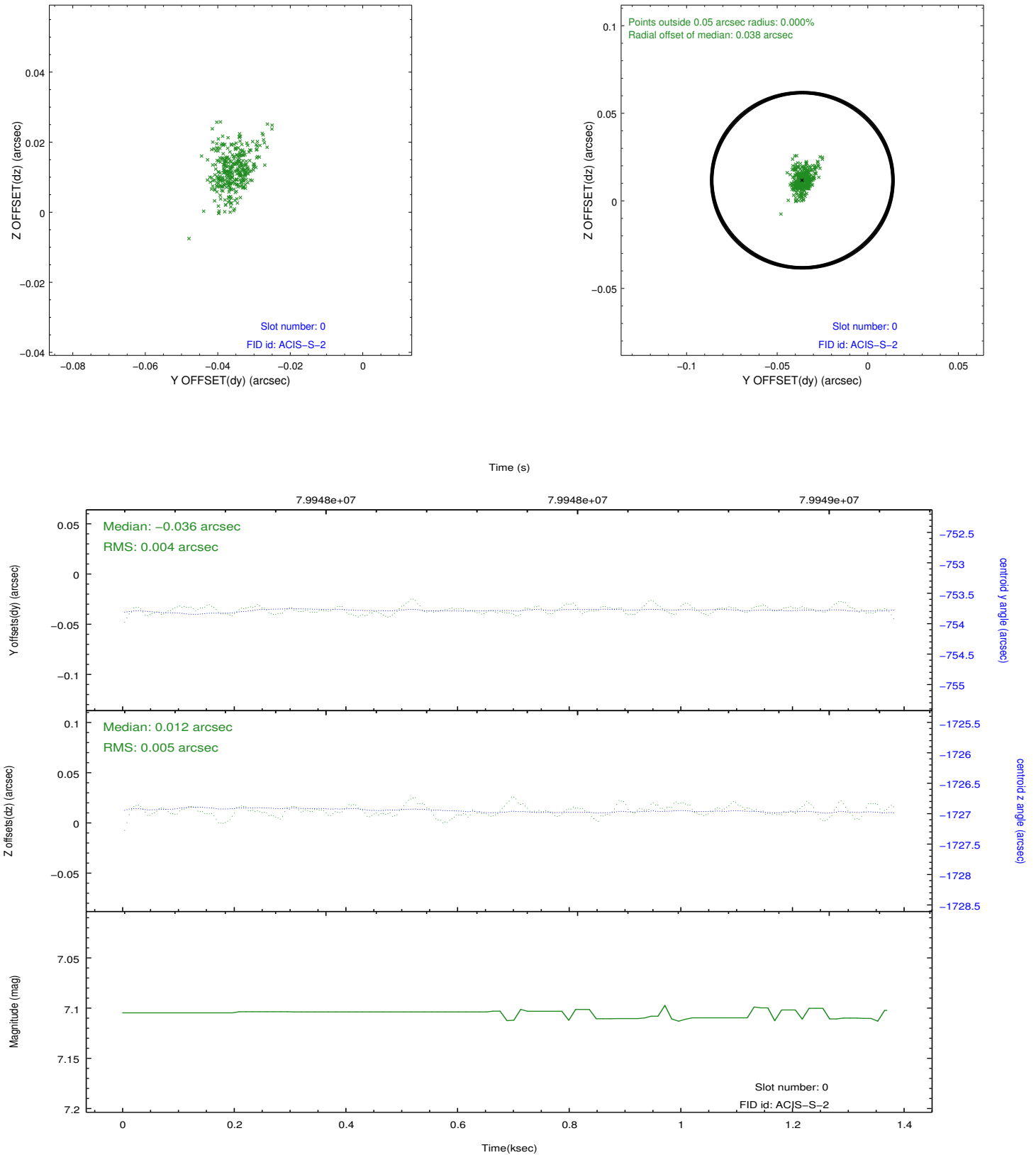


Time (s)

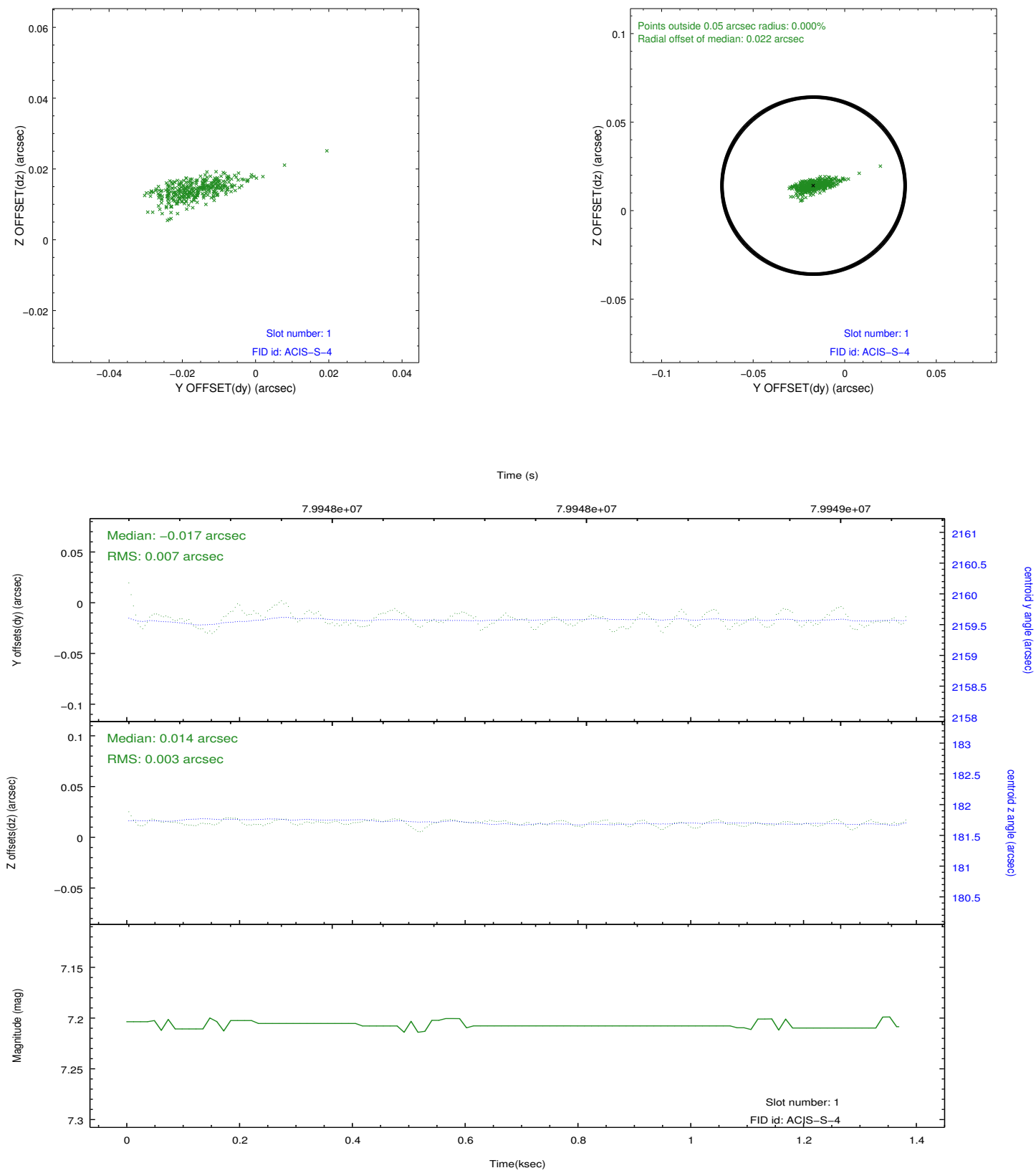


2.5 FID Slots

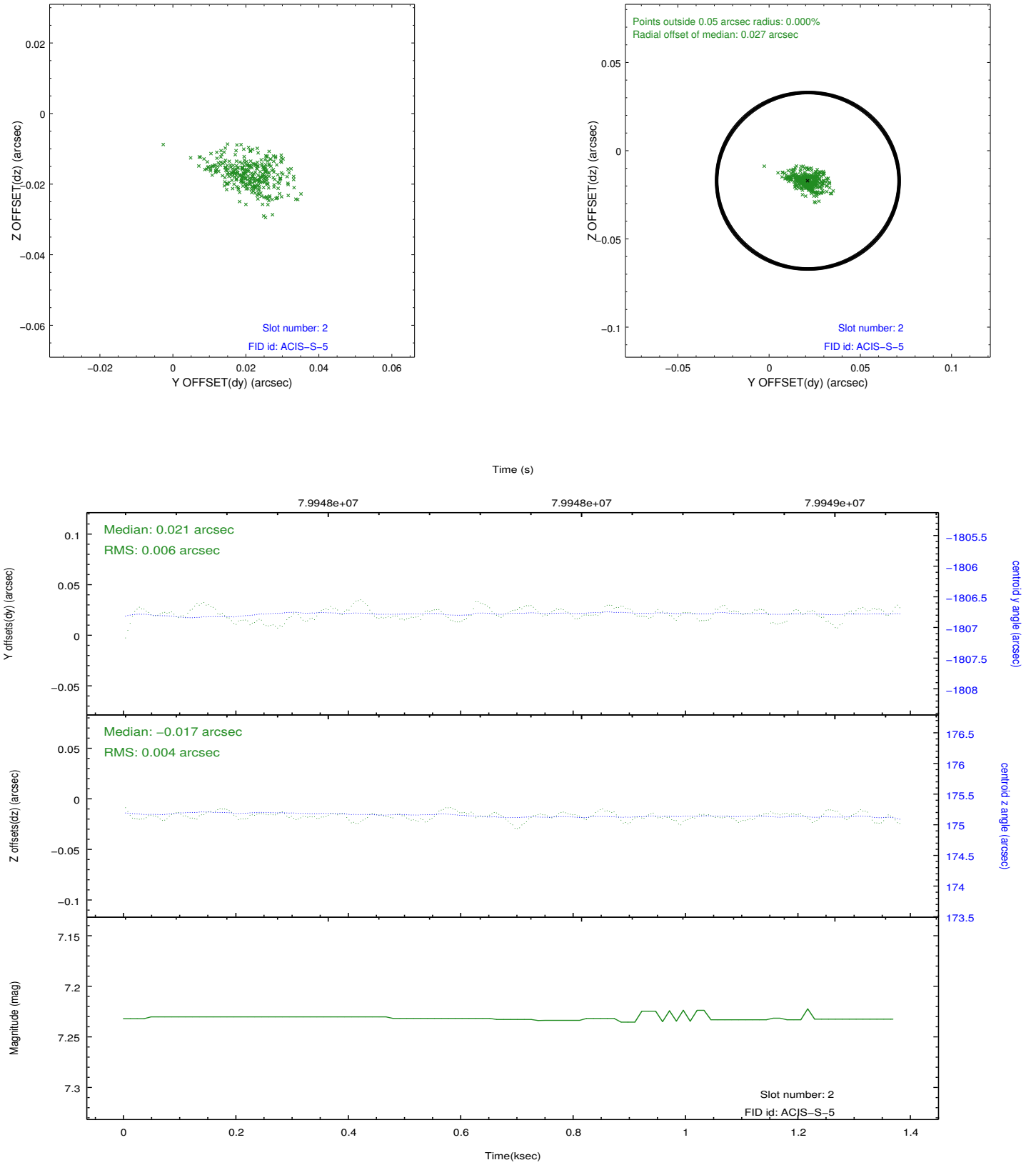
2.5.1 Slot 0



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	1.376

A.2 Comments