

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2801 - L2 Version 001
Chandra X-Ray Center

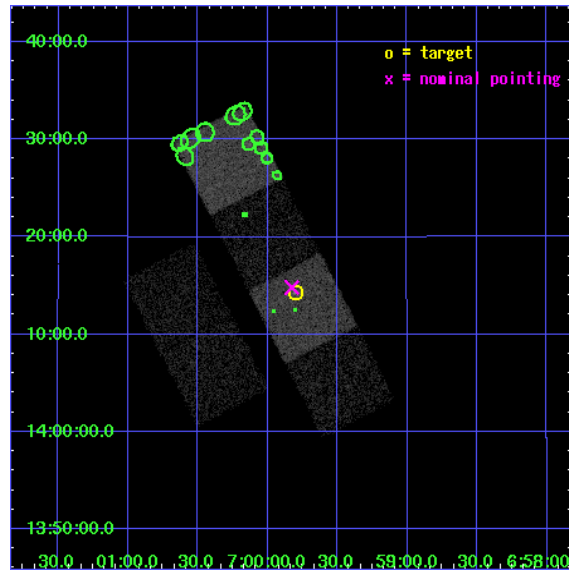
L2 Processing Date : Jan 23 2007

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1 Front

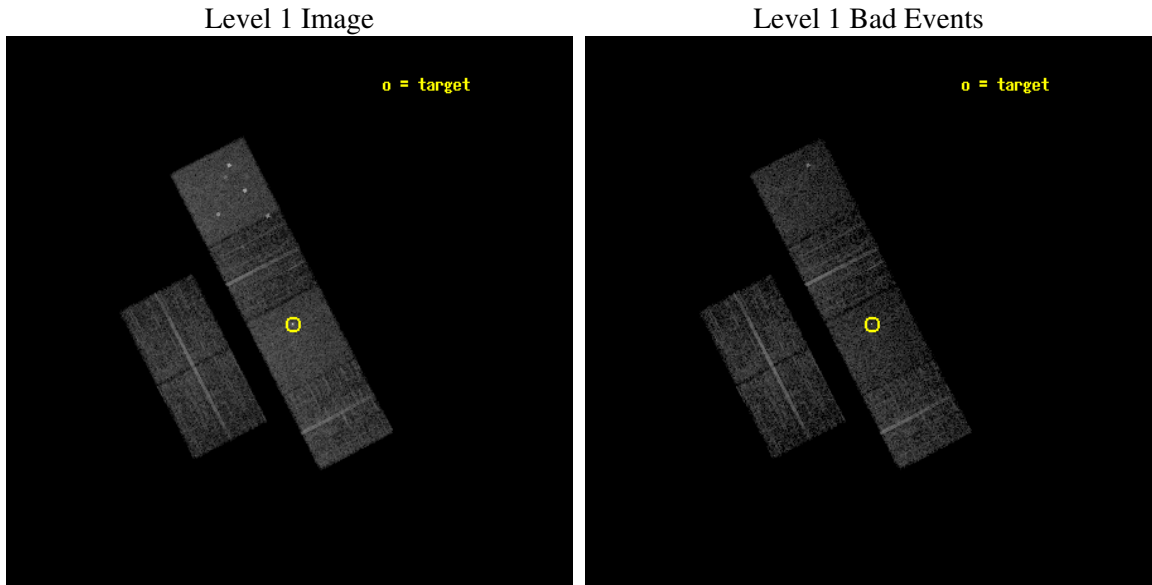
seq_num	500251
obs_id	2801
title	PSR 0656+14 AND ITS PUTATIVE PULSAR-WIND NEBULA
observer	Dr. Vyacheslav Zavlin
object	PSR 0656+14
dtcycle	0
cycle	P
ra_targ	104.950417
dec_targ	14.239306
ra_nom	104.95650214326
dec_nom	14.247043642126
roll_nom	62.745138161032
revision	2
ontime	4960.0000046194
livetime	4897.1934980074
ontime2	4960.0000046194
ontime3	4960.0000046194
ontime5	4960.0000046194
ontime6	4960.0000046194
ontime7	4960.0000046194
ontime8	4960.0000046194
l2events	53147



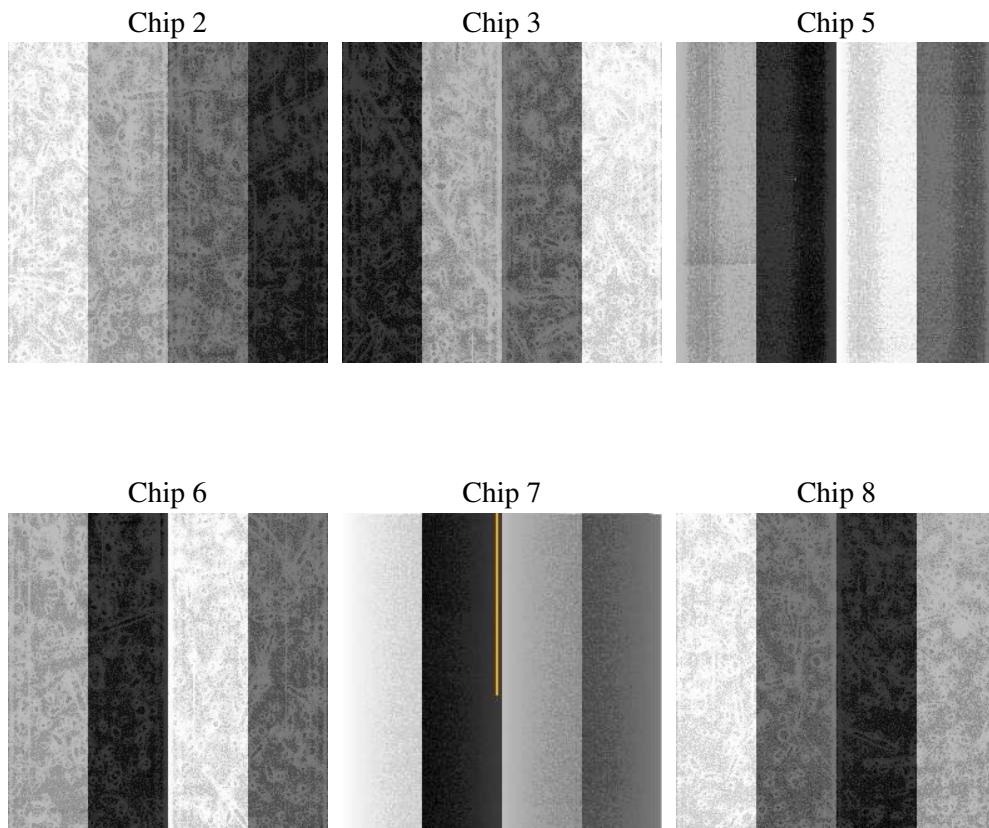
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-23T20:31:48
revision	2

sched_exp_time	5000.000000
ontime	4960.0000046194
ontime2	4960.0000046194
ontime3	4960.0000046194
ontime5	4960.0000046194
ontime6	4960.0000046194
ontime7	4960.0000046194
ontime8	4960.0000046194
l1events	237751

2.1.4 Events

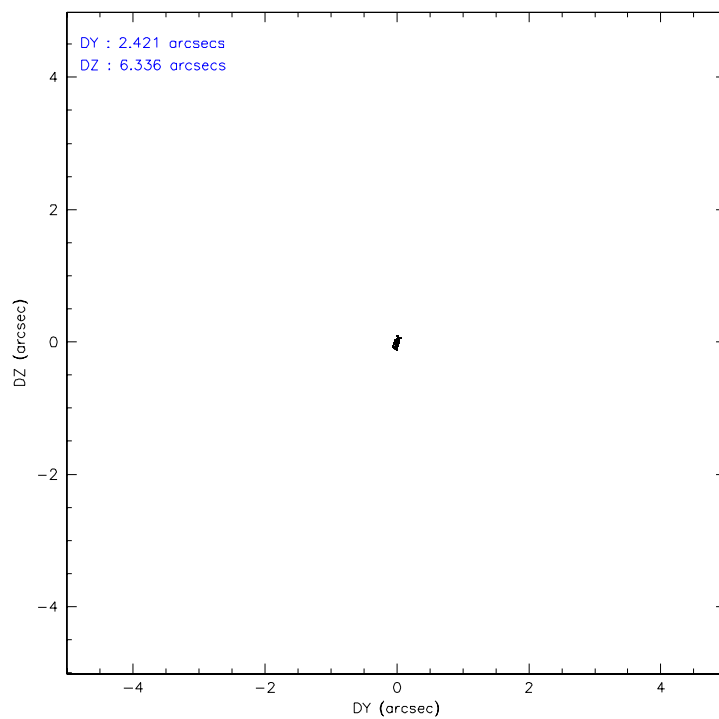
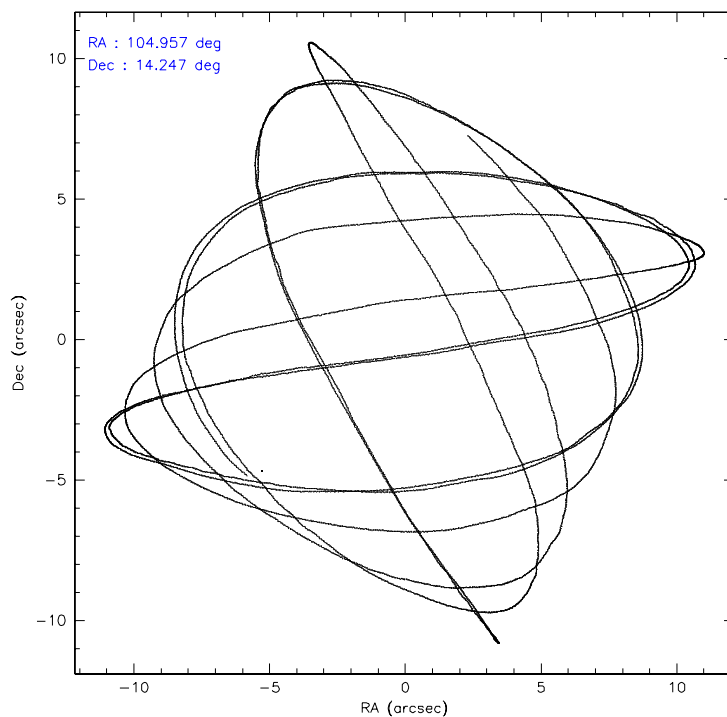
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	34286	32031	50200	33680	45992	41562
rejected events	30579	28241	26136	29573	26803	32668
rejected %	89%	88%	52%	87%	58%	78%

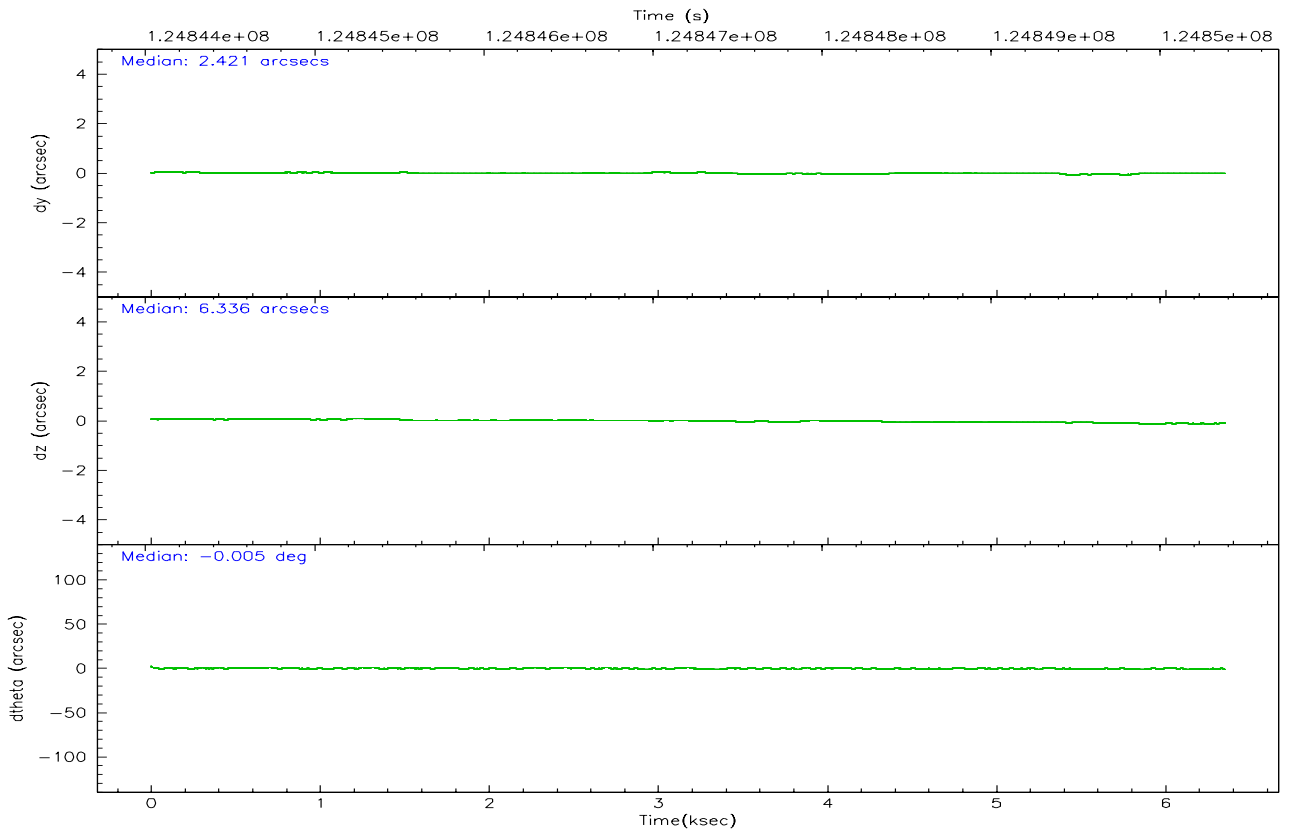
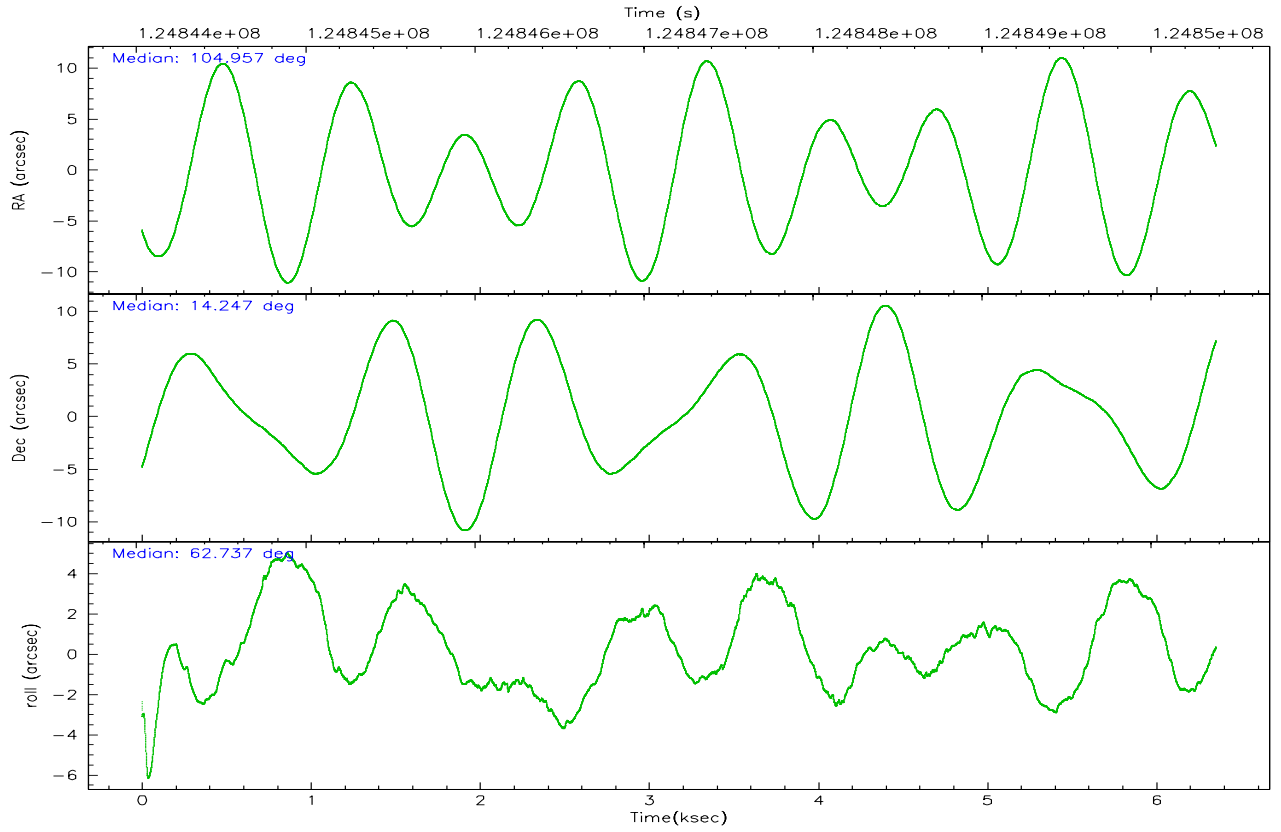
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1541	1633	4527	1769	2322	2755
	4%	5%	9%	5%	5%	6%
grade 1 events	19	12	351	15	80	23
	0%	0%	0%	0%	0%	0%
grade 2 events	820	763	6279	810	3755	1952
	2%	2%	12%	2%	8%	4%
grade 3 events	335	362	1027	385	1634	980
	0%	1%	2%	1%	3%	2%
grade 4 events	354	346	1040	350	1738	898
	1%	1%	2%	1%	3%	2%
grade 5 events	1179	1299	3615	1436	4393	1767
	3%	4%	7%	4%	9%	4%
grade 6 events	662	690	11231	803	9759	2314
	1%	2%	22%	2%	21%	5%
grade 7 events	29376	26926	22130	28112	22311	30873
	85%	84%	44%	83%	48%	74%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	104.958195	104.9565021432552	Subarray requested	NONE	NONE
Pointing Dec	14.219821	14.24704364212595	Alternating exposures requested	N	N
Pointing Roll	62.588090	62.74513816103241	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	124845384.184000	124843838.51874			
Observation start date	2001-12-15T23:15:20	2001-12-15T22:50:38			
Observation end time	124850384.184000	124851074.50653			
Observation end date	2001-12-16T00:38:40	2001-12-16T00:51:14			
Read mode	TIMED	TIMED			

2.3 Aspect



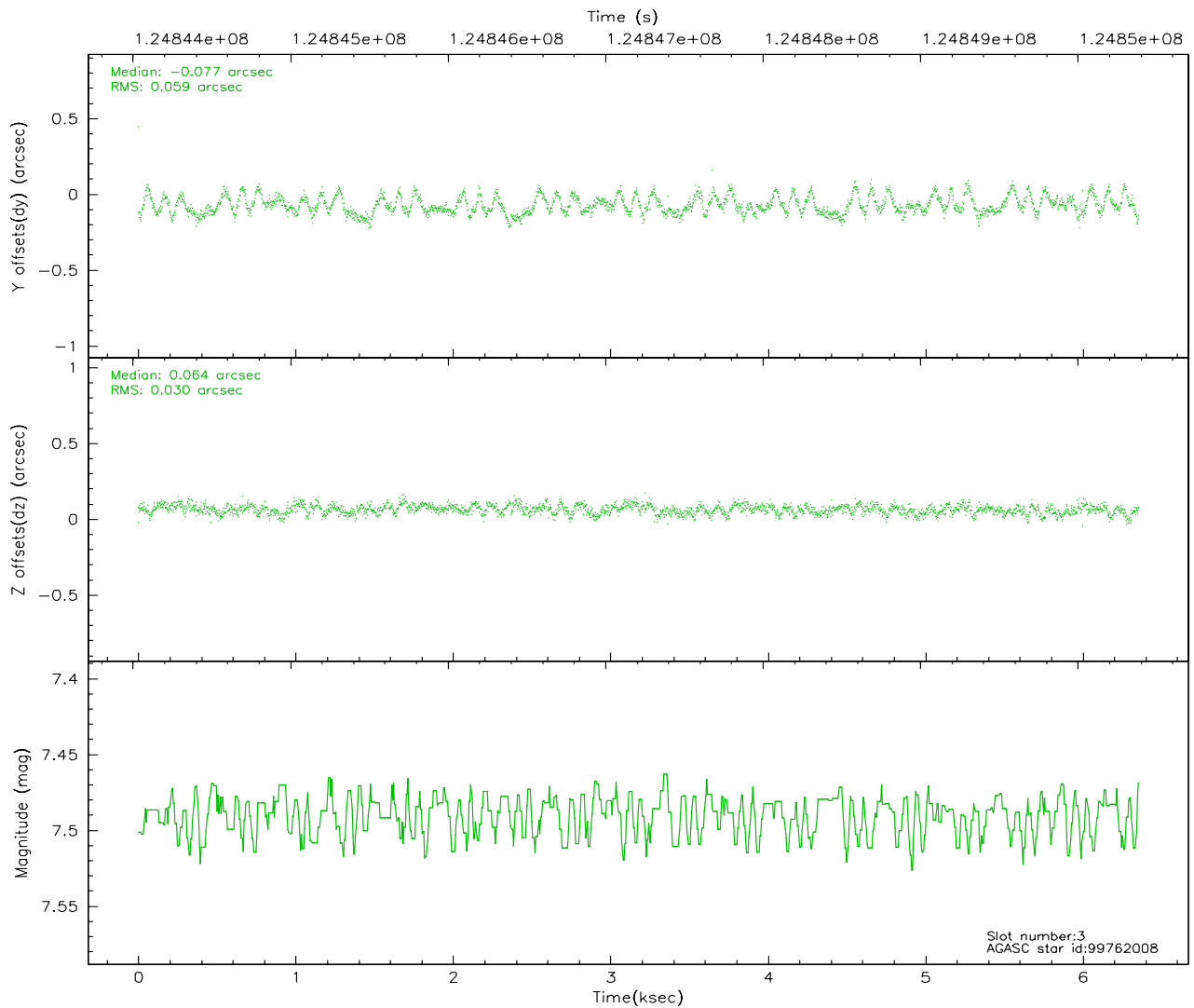
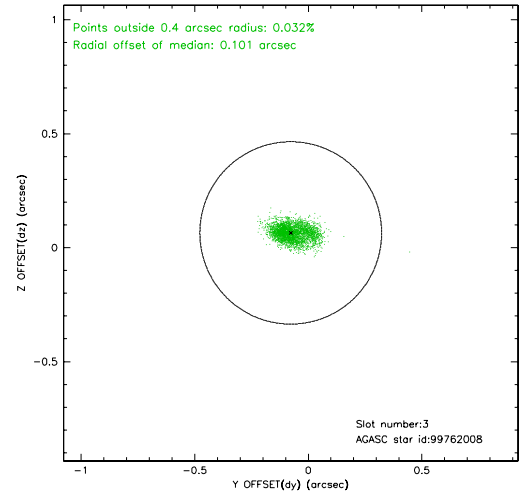
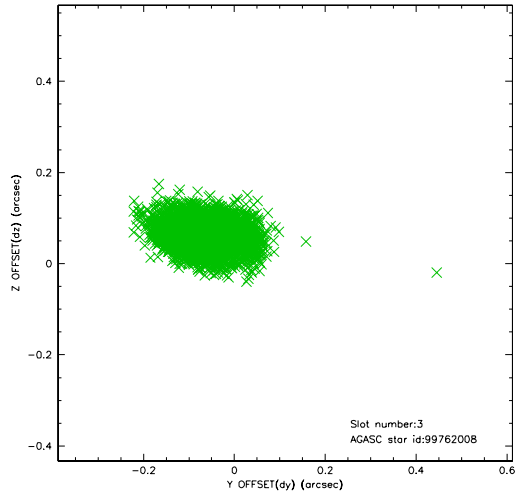


Slot Statistics

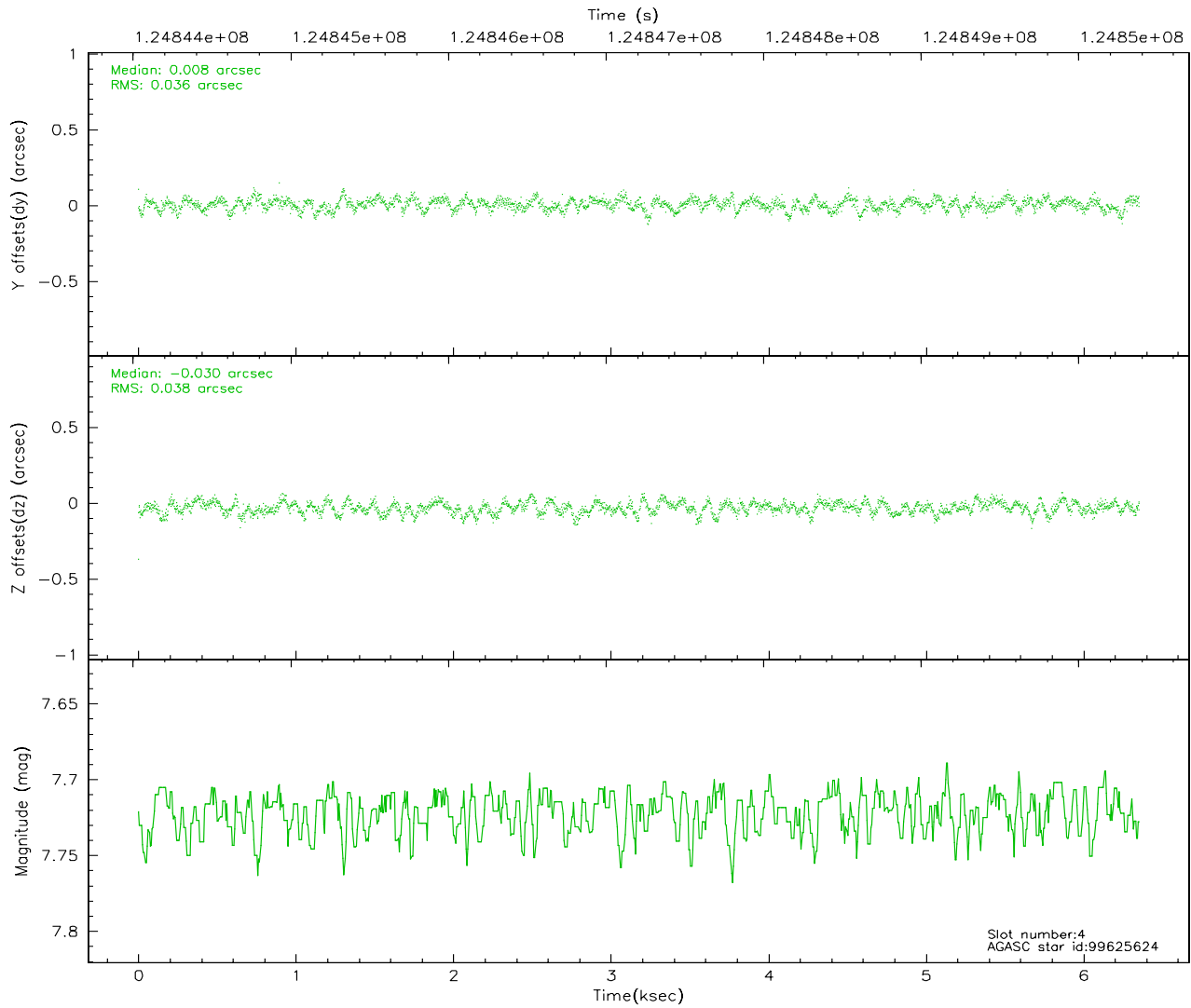
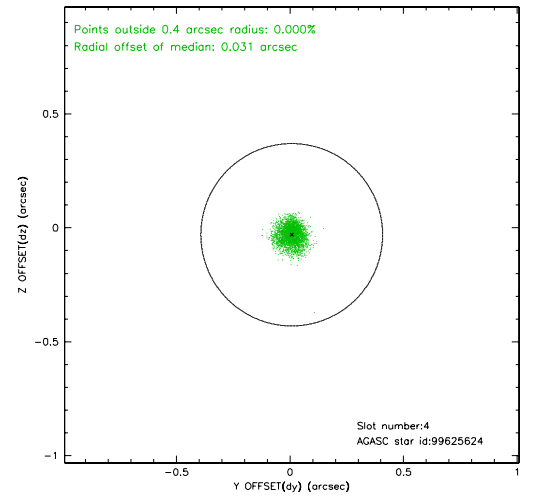
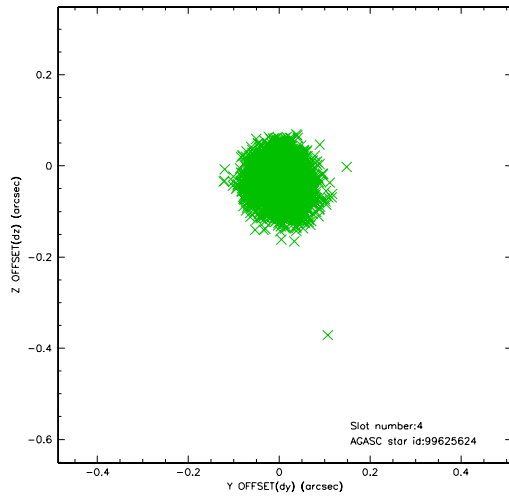
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1549	-0.033	0.018	0.007	0.011	0.000000	0.000000	-755.05	-1727.47
1	FID	ACIS-S-4	7.21	1549	-0.051	0.011	0.005	0.009	0.000000	0.000000	2157.76	180.10
2	FID	ACIS-S-5	7.24	1550	0.053	-0.020	0.006	0.010	0.000000	0.000000	-1806.65	174.72
3	GUIDE	99762008	7.49	3099	-0.077	0.064	0.068	0.118	105.809270	14.336108	1743.48	-2439.24
4	GUIDE	99625624	7.72	3101	0.008	-0.030	0.056	0.089	104.556043	14.249213	-550.58	1294.53
5	GUIDE	99634584	8.43	3100	0.109	-0.069	0.056	0.089	104.341882	13.801780	-2325.64	1221.77
6	GUIDE	99756168	8.76	3099	-0.129	0.102	0.081	0.129	105.592210	14.661738	2430.94	-1225.15
7	GUIDE	99629096	9.14	3099	0.079	-0.066	0.103	0.161	104.163989	14.029616	-1880.15	2149.16

2.4 Star Slots

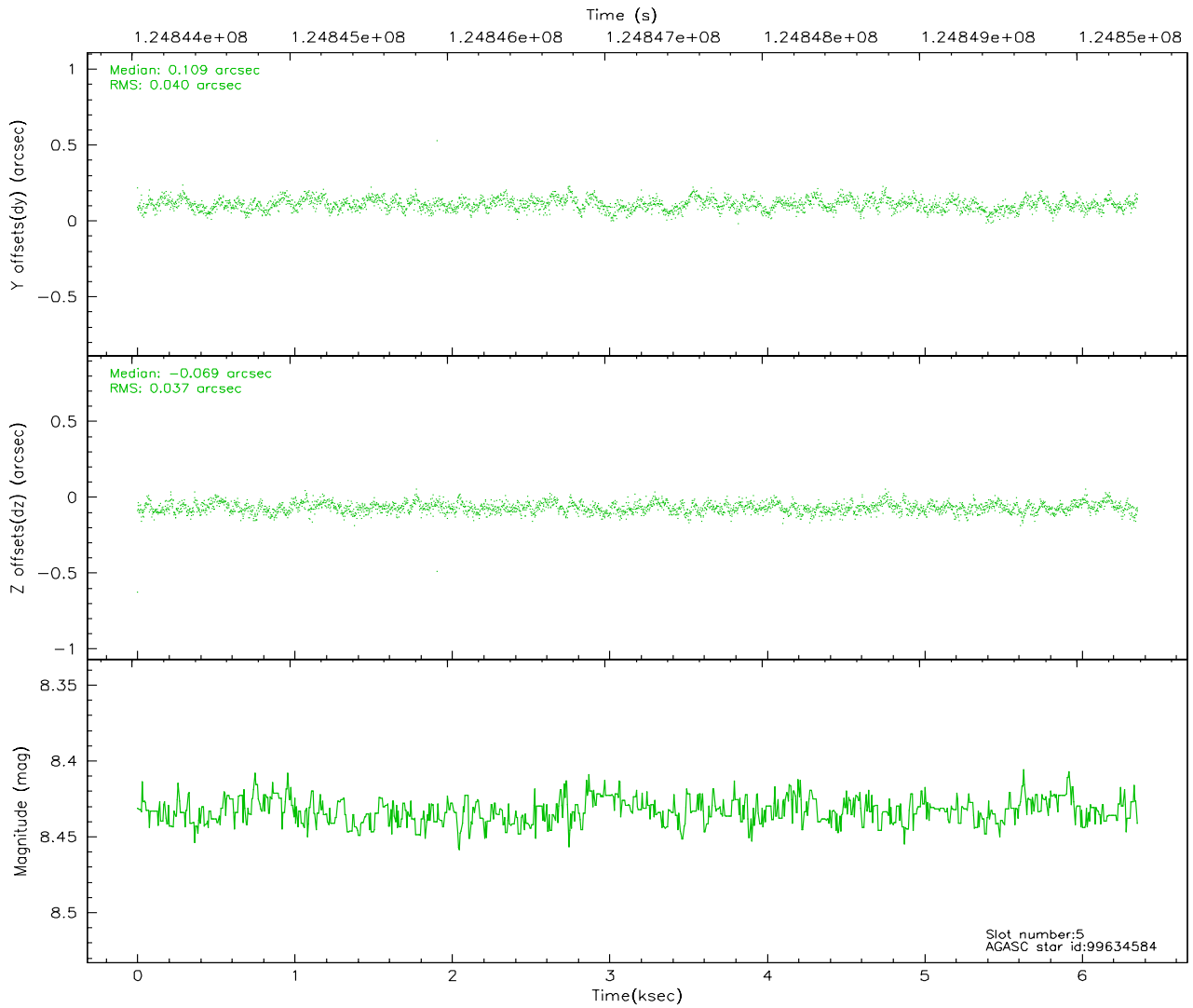
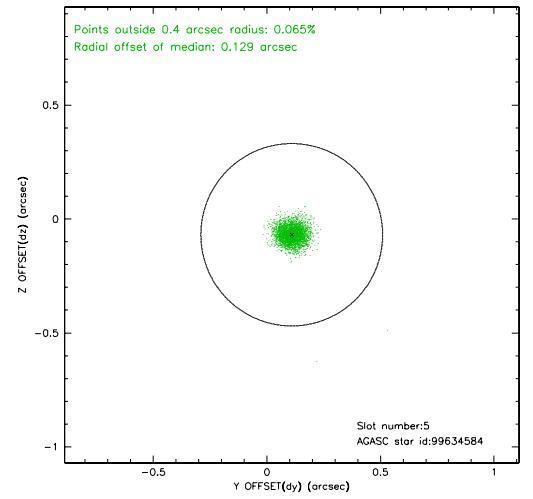
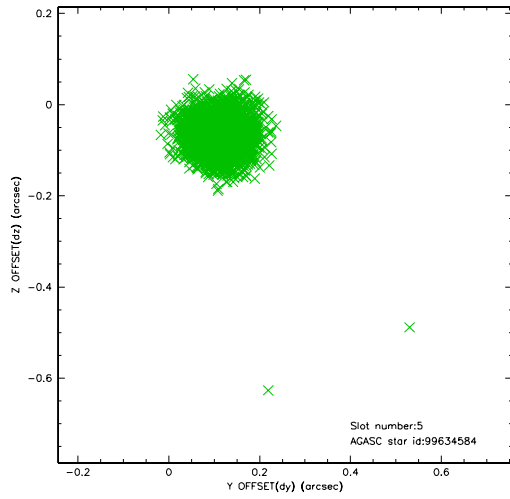
2.4.1 Slot 3



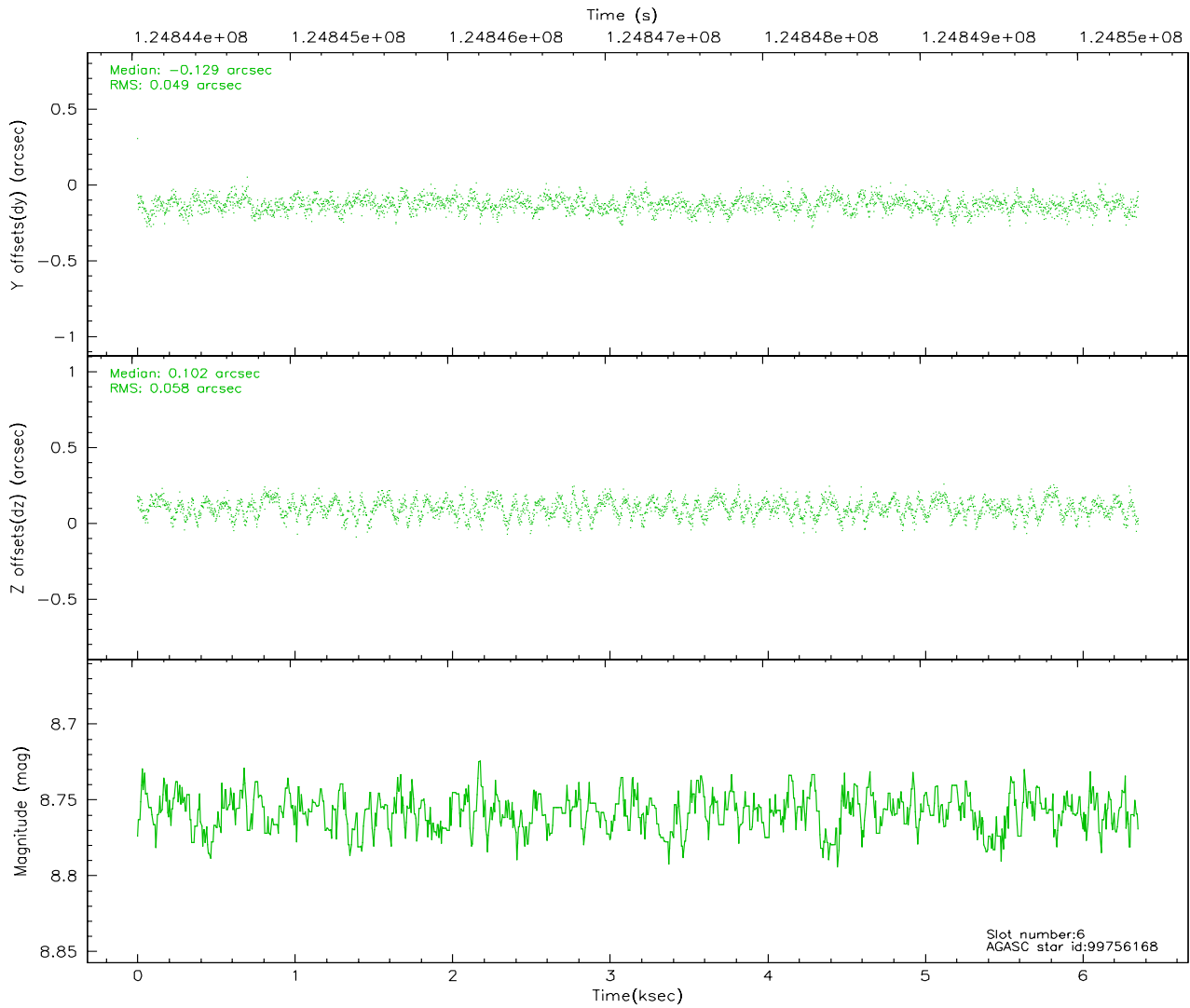
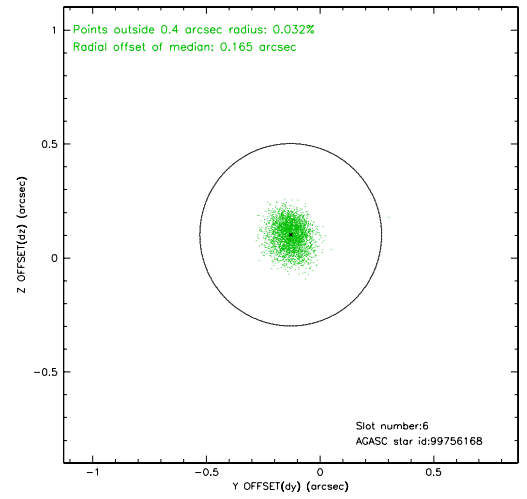
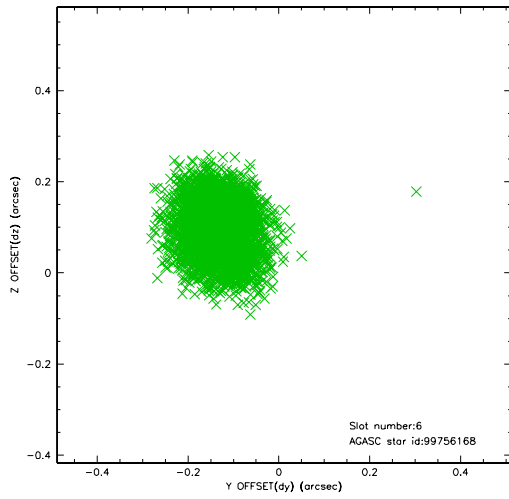
2.4.2 Slot 4



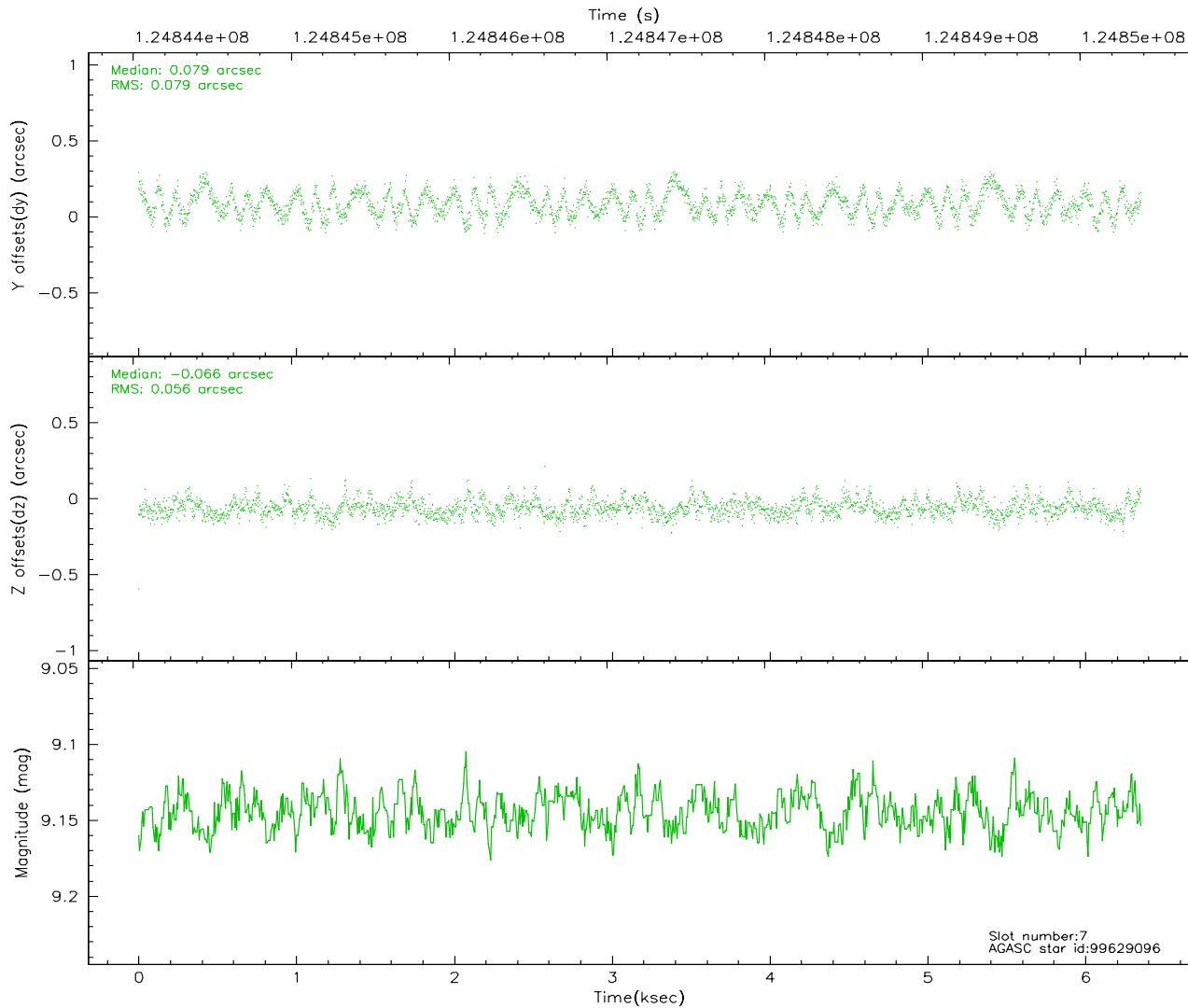
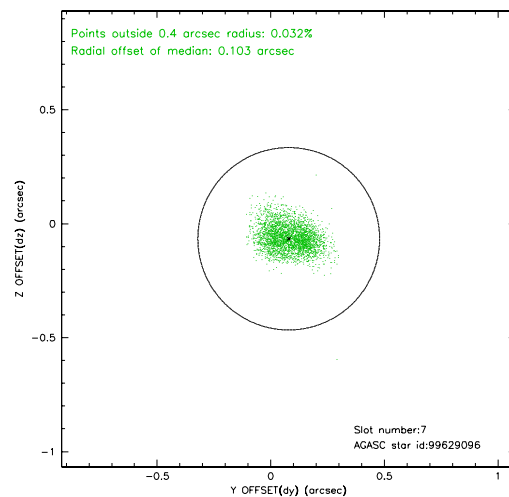
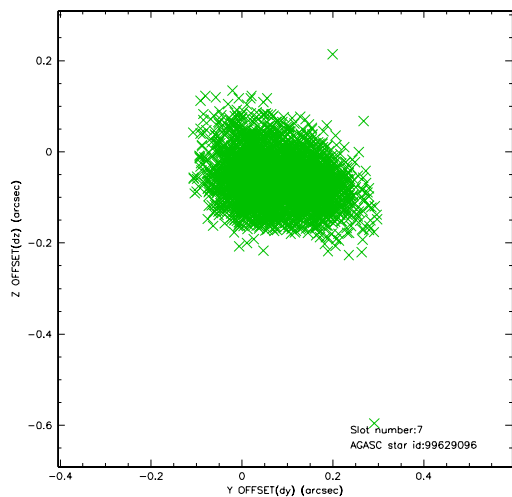
2.4.3 Slot 5



2.4.4 Slot 6

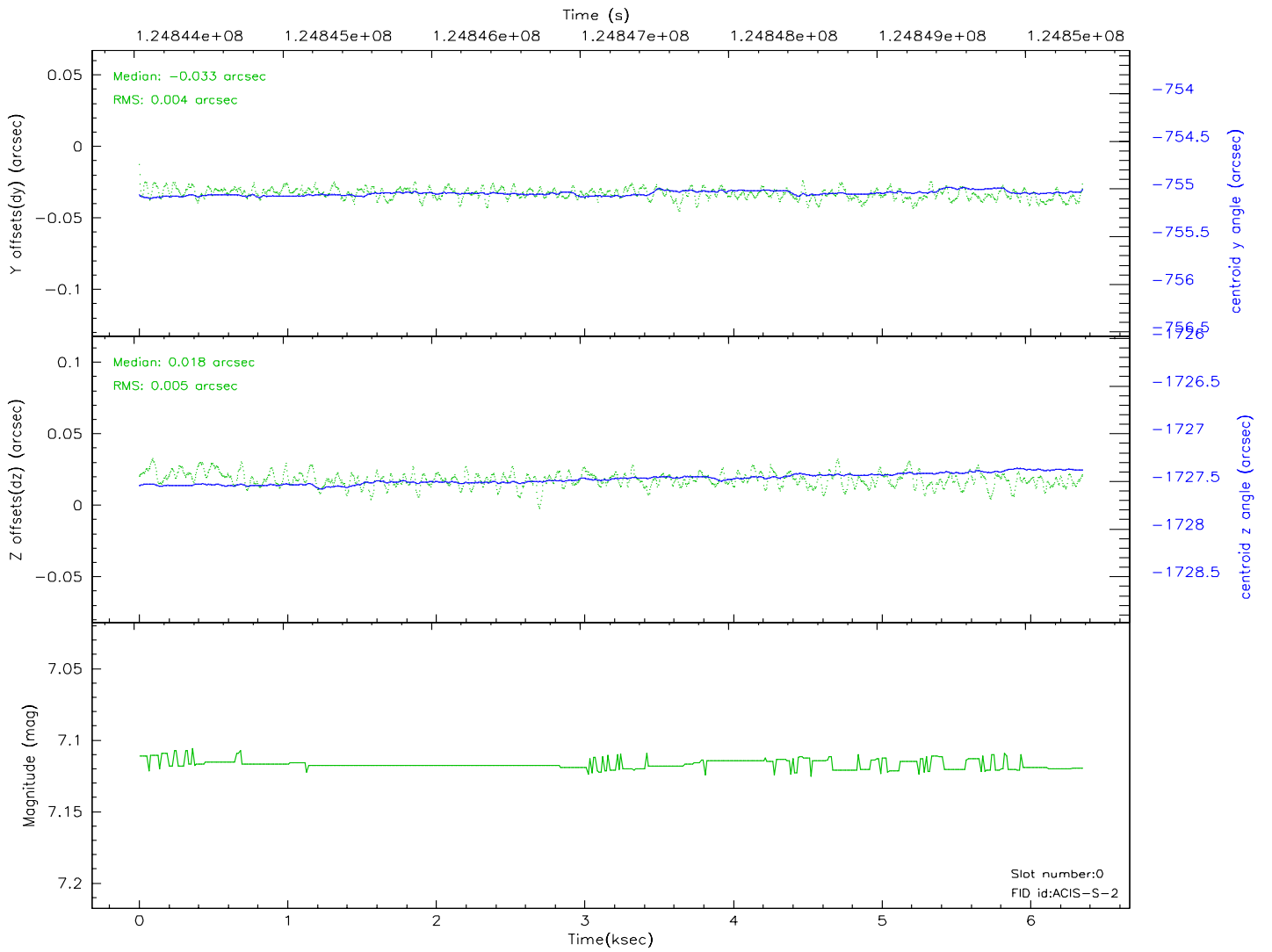
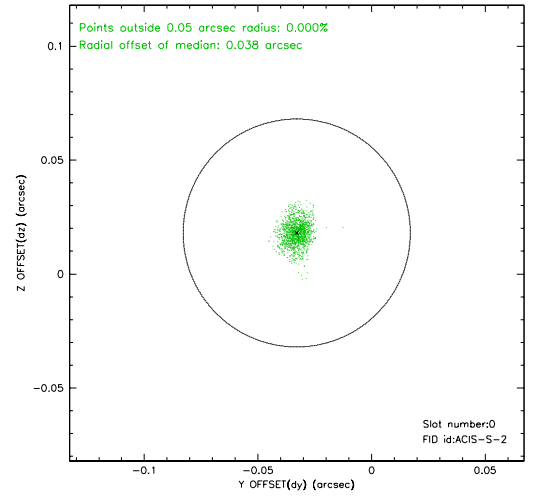
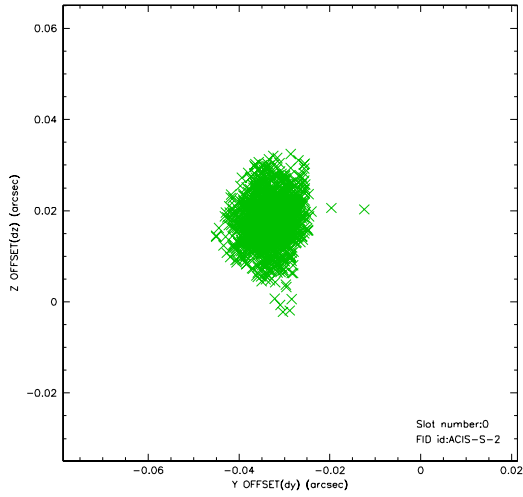


2.4.5 Slot 7

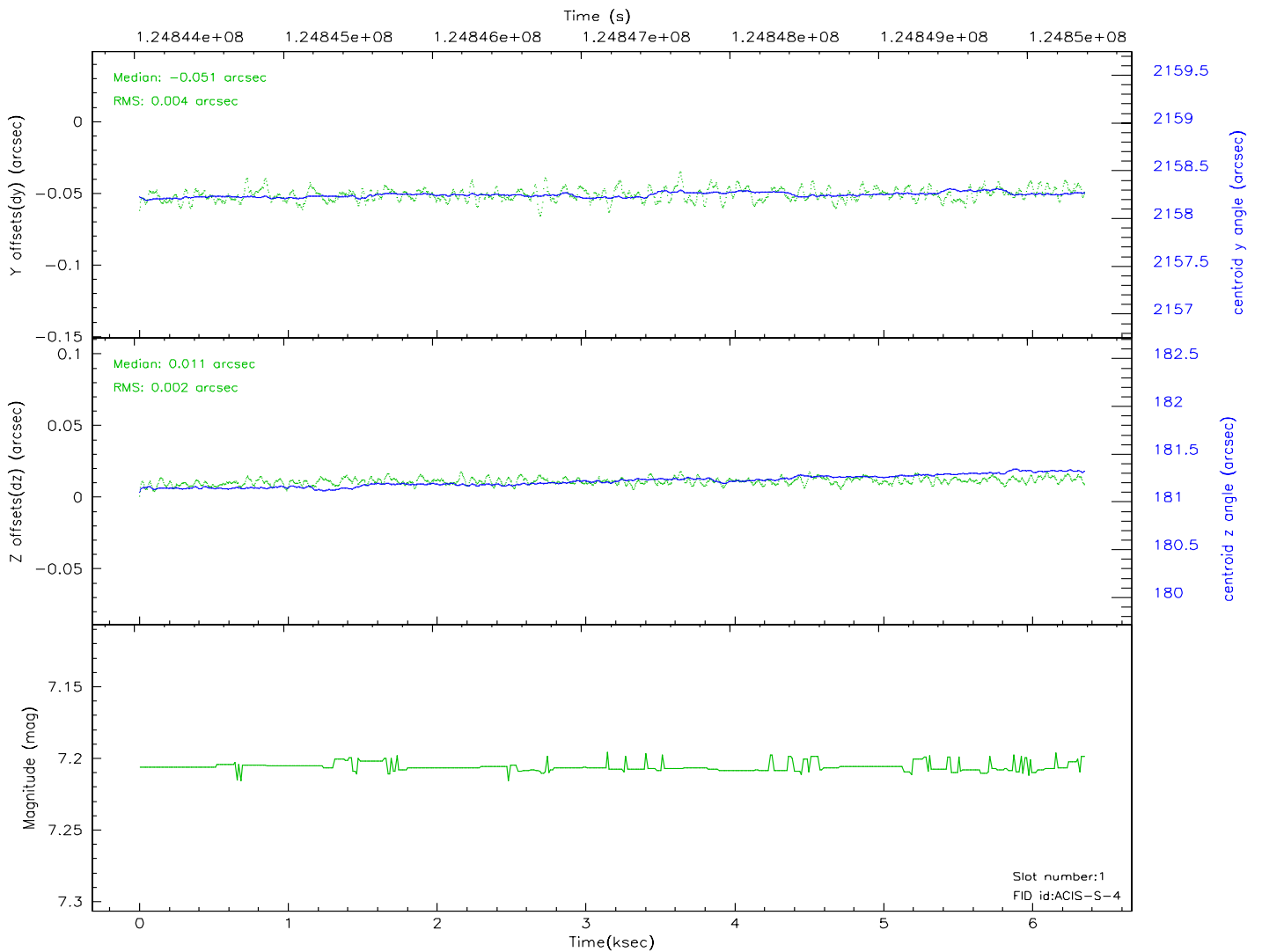
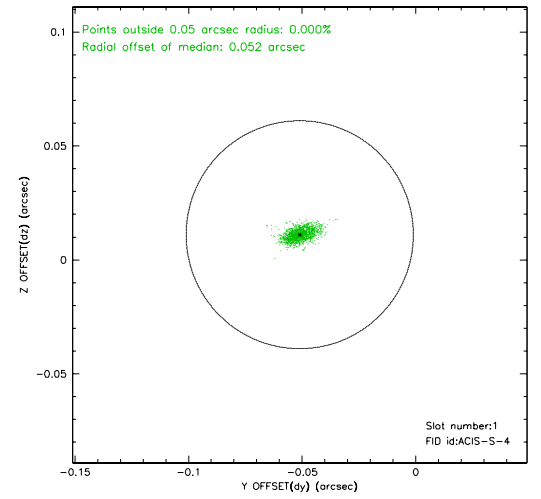
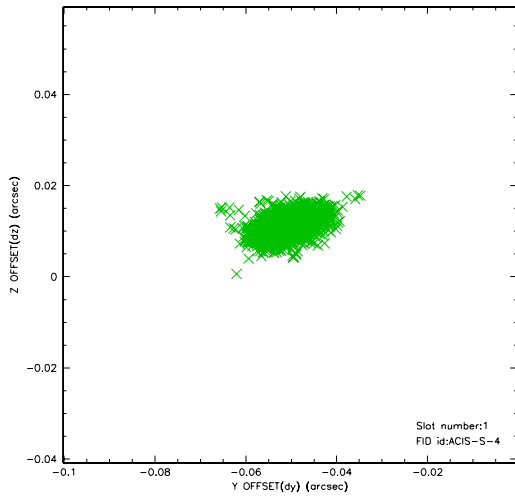


2.5 FID Slots

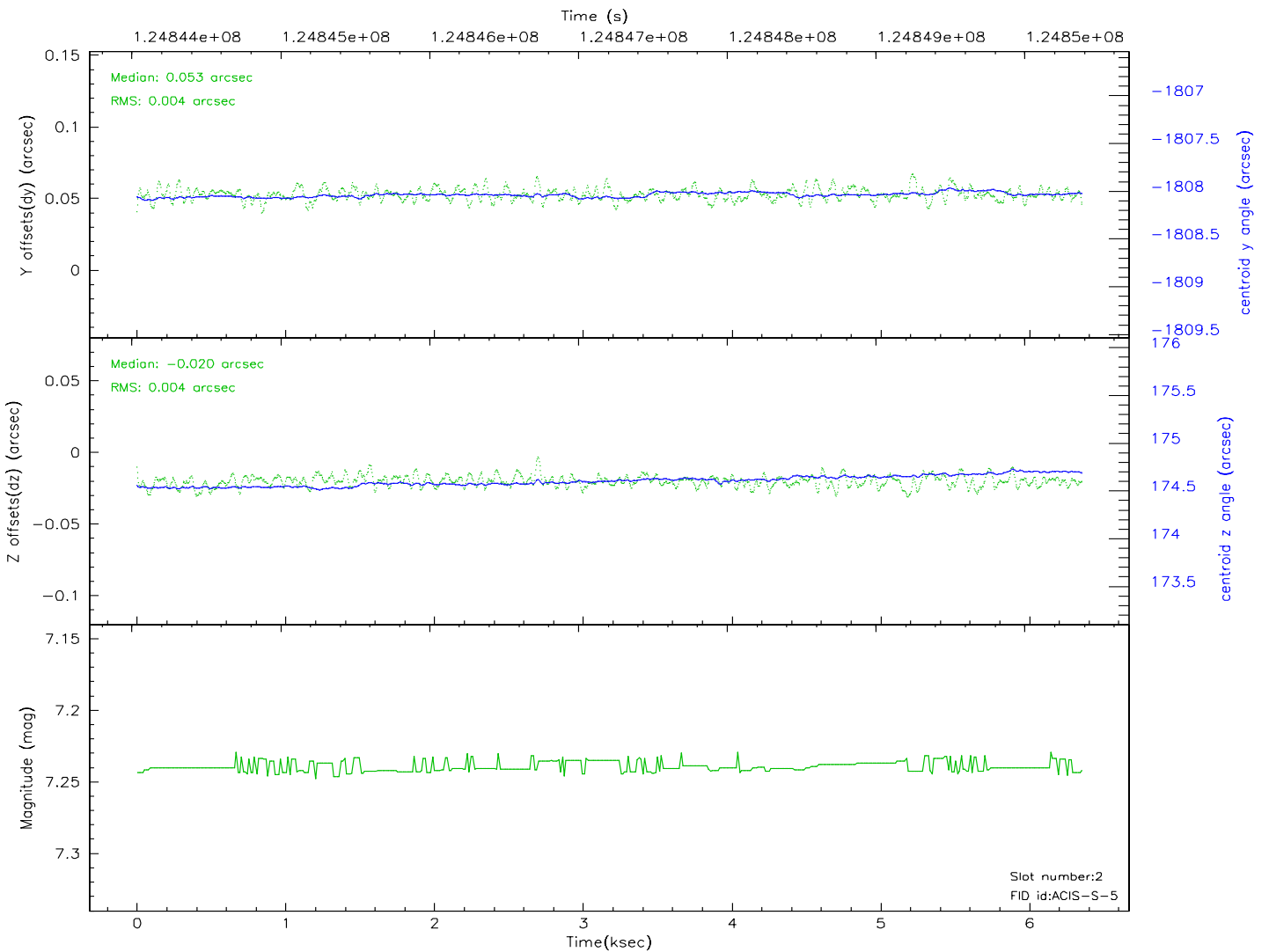
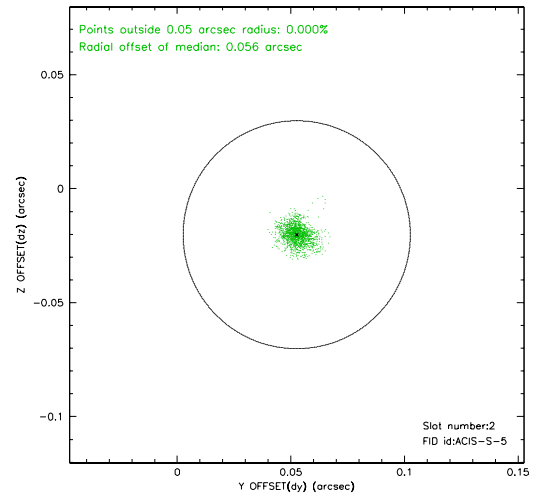
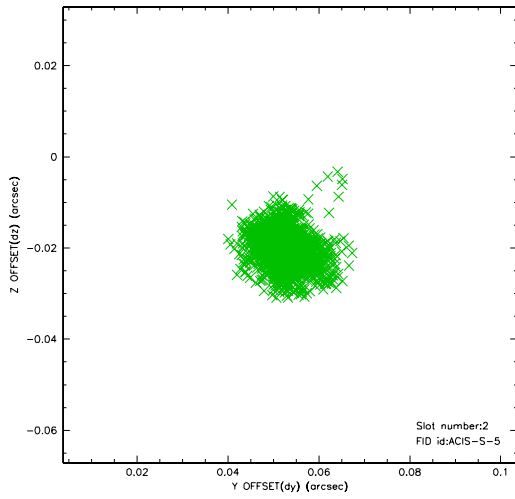
2.5.1 Slot 0



2.5.2 Slot 1

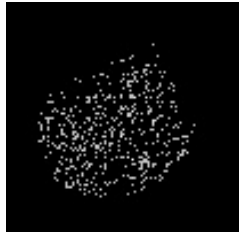


2.5.3 Slot 2

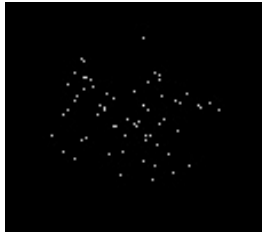


3 Point Sources

18.71 arcmin



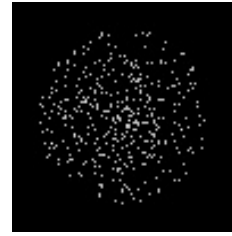
8.86 arcmin



2.39 arcmin



15.35 arcmin



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.01.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.963

A.2 Comments

A CCD bias map was incomplete because of data gaps in telemetry. The bias map for chip 2 was reconstructed using scaled data from a comparable bias map for another observation to fill the data gaps.