

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 4126 - L2 Version 001
Chandra X-Ray Center

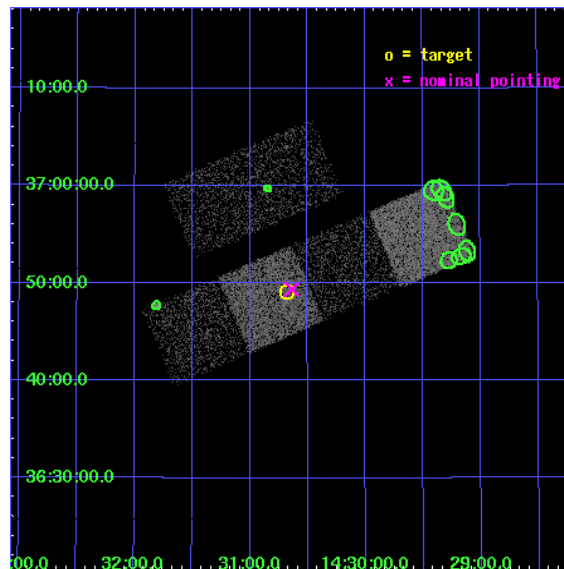
L2 Processing Date : Aug 4 2006

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1 Front

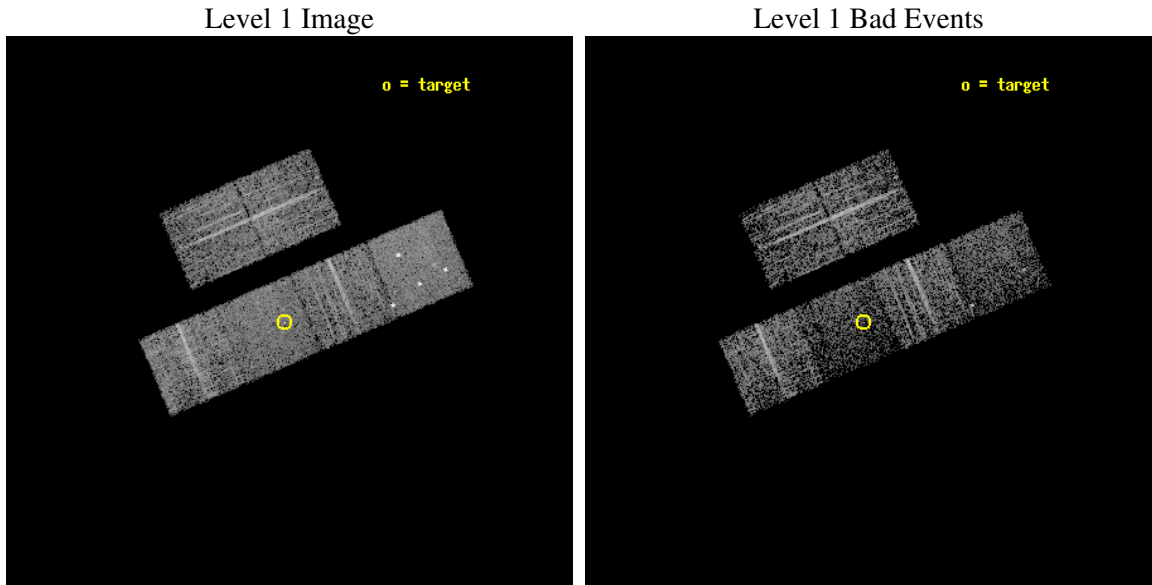
seq_num	700805
obs_id	4126
title	WHAT KIND OF JETS DOES NATURE MAKE? X-RAY CHARACTERIZATION OF THE FIRST FLAT SPECTRUM SAMPLE
observer	Dr. Giovanni Fossati
object	TXS 1428+370
dtcycle	0
cycle	P
ra_targ	217.669167
dec_targ	36.817806
ra_nom	217.6591831513
dec_nom	36.822905278836
roll_nom	156.88025534491
revision	2
ontime	3974.3999851942
livetime	3924.0737394853
ontime2	3974.3999851942
ontime3	3974.3999851942
ontime5	3974.3999851942
ontime6	3971.1590049267
ontime7	3974.3999851942
ontime8	3974.3999851942
l2events	24784



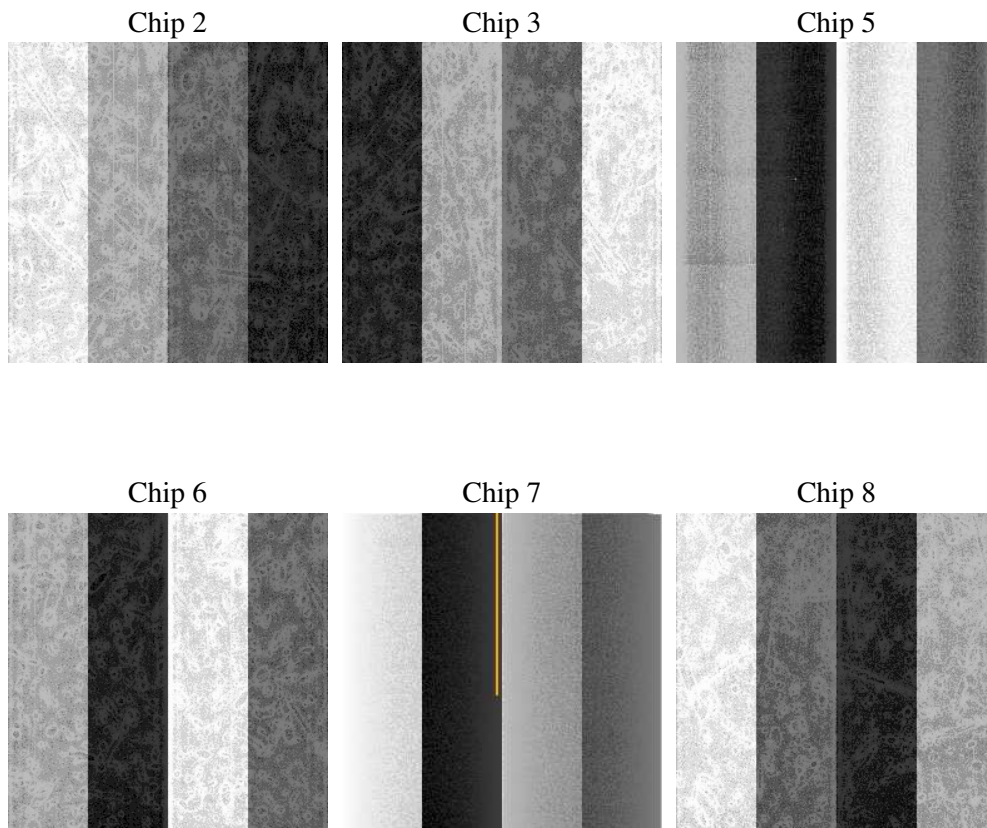
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.2
date	2006-08-04T16:36:12
revision	2

sched_exp_time	4014.000000
ontime	3979.9565181732
ontime2	3979.9565181732
ontime3	3979.9565181732
ontime5	3979.9565181732
ontime6	3976.7155379057
ontime7	3979.9565181732
ontime8	3979.9564882815
l1events	121066

2.1.4 Events

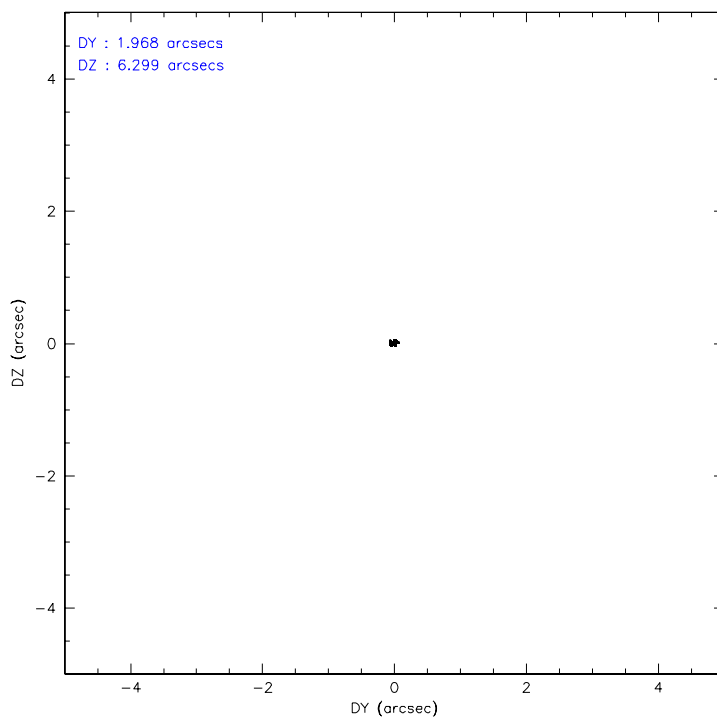
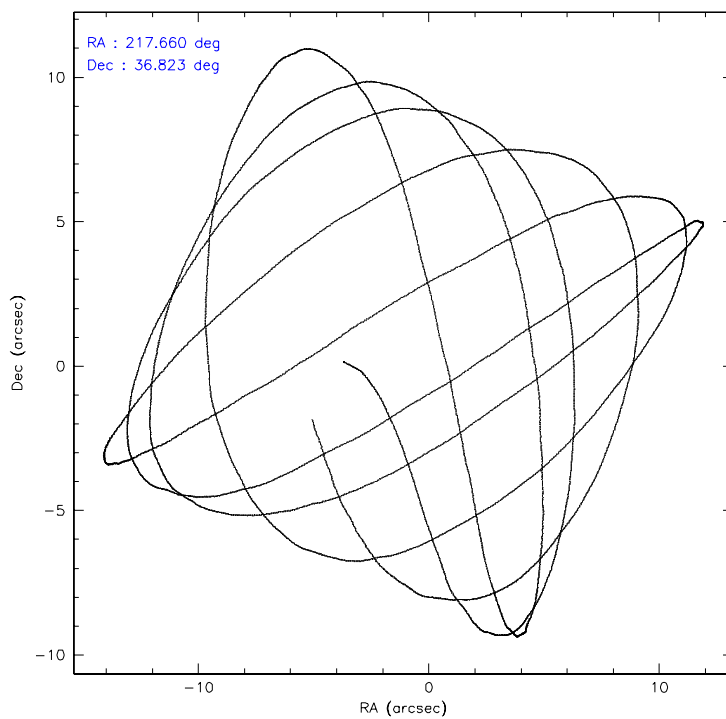
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	19720	17852	24708	19137	17247	22402
rejected events	17836	16181	11320	17234	9196	17622
rejected %	90%	90%	45%	90%	53%	78%

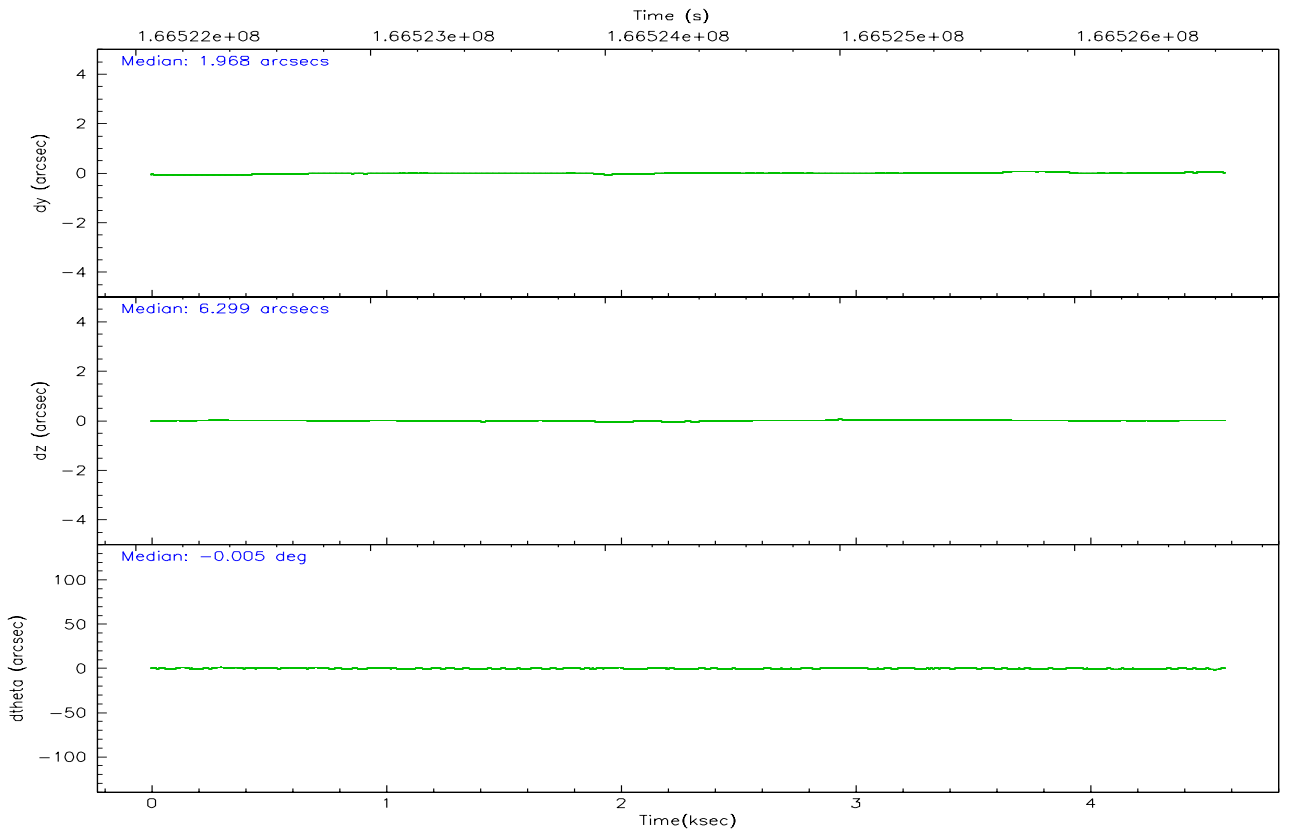
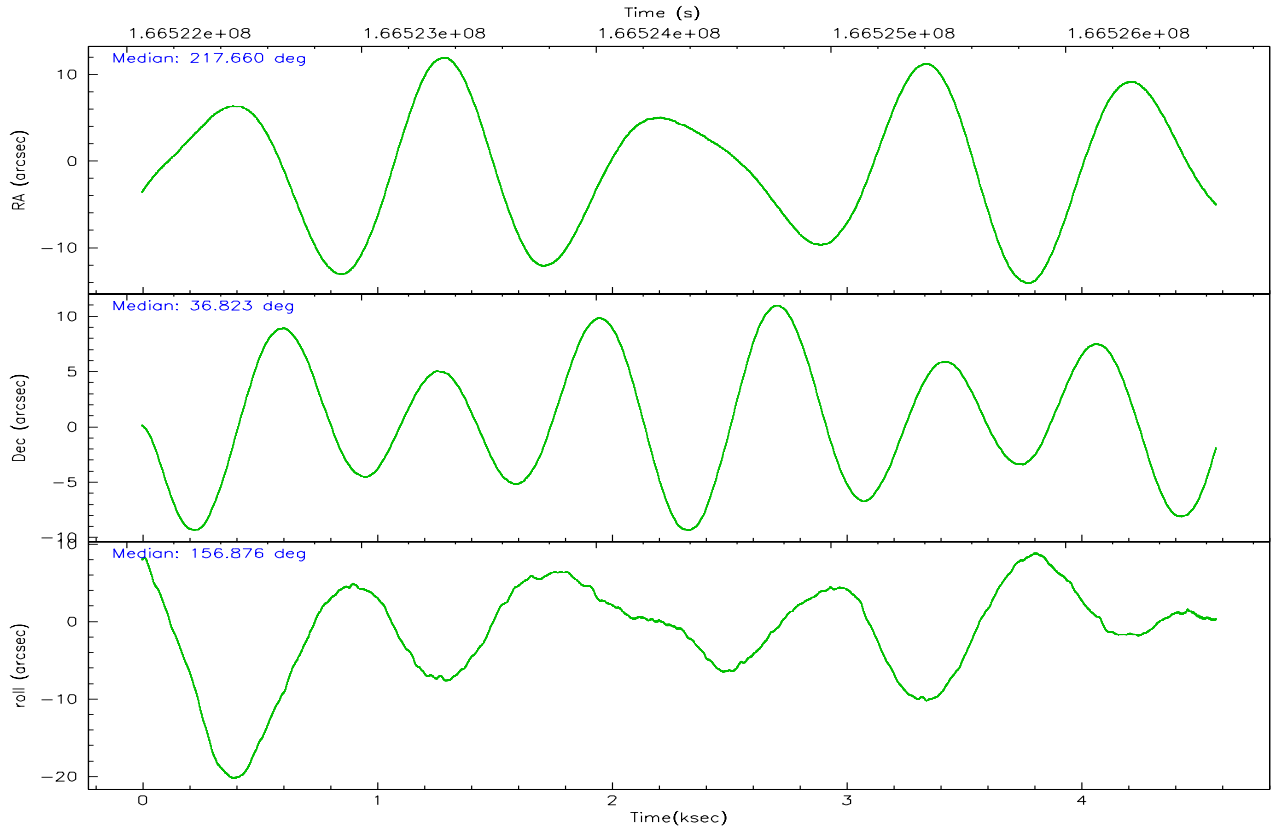
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	698	621	2606	727	622	1437
	3%	3%	10%	3%	3%	6%
grade 1 events	8	11	164	8	10	9
	0%	0%	0%	0%	0%	0%
grade 2 events	463	347	4000	419	1981	1025
	2%	1%	16%	2%	11%	4%
grade 3 events	211	190	345	193	517	522
	1%	1%	1%	1%	2%	2%
grade 4 events	199	205	317	199	505	505
	1%	1%	1%	1%	2%	2%
grade 5 events	513	604	1282	607	1380	917
	2%	3%	5%	3%	8%	4%
grade 6 events	315	310	6139	366	4439	1298
	1%	1%	24%	1%	25%	5%
grade 7 events	17313	15564	9855	16618	7793	16689
	87%	87%	39%	86%	45%	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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	217.692779	217.659183151301	Alternating exposures requested	N	N
Pointing Dec	36.826731	36.82290527883638	Primary exposure time	0.000000	3.2
Pointing Roll	156.703465	156.8802553449081			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	166522625.184000	166521475.42267			
Observation start date	2003-04-12T08:16:01	2003-04-12T07:57:55			
Observation end time	166526639.184000	166526977.6229			
Observation end date	2003-04-12T09:22:55	2003-04-12T09:29:37			
Read mode	TIMED	TIMED			

2.3 Aspect



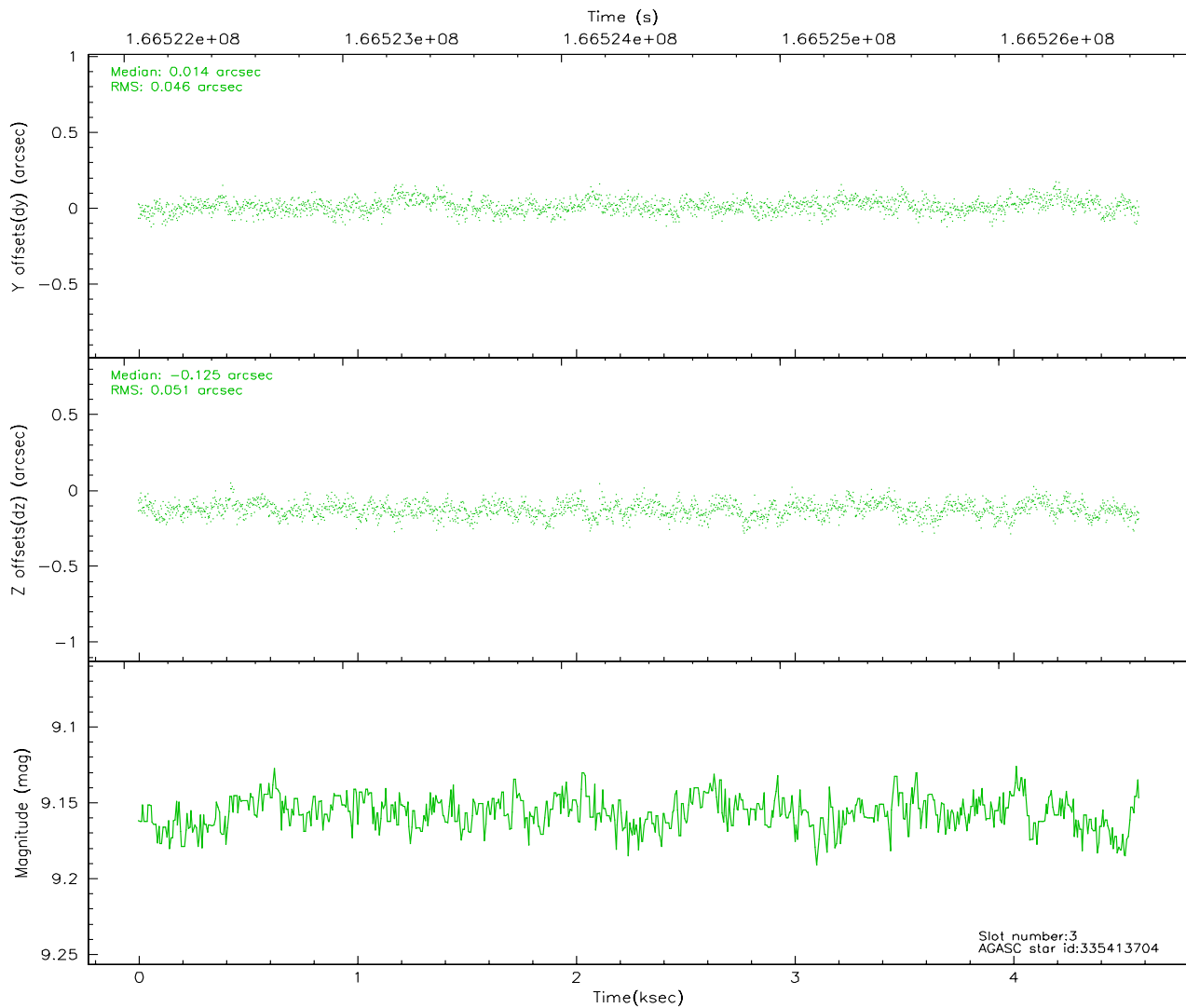
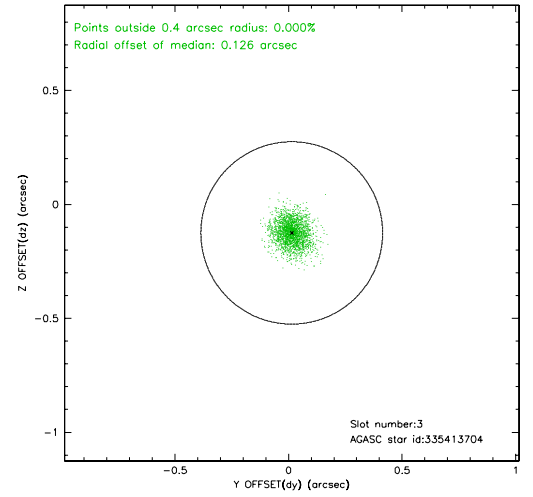
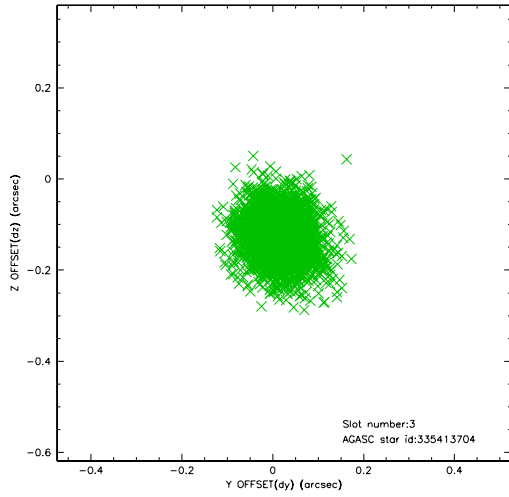


Slot Statistics

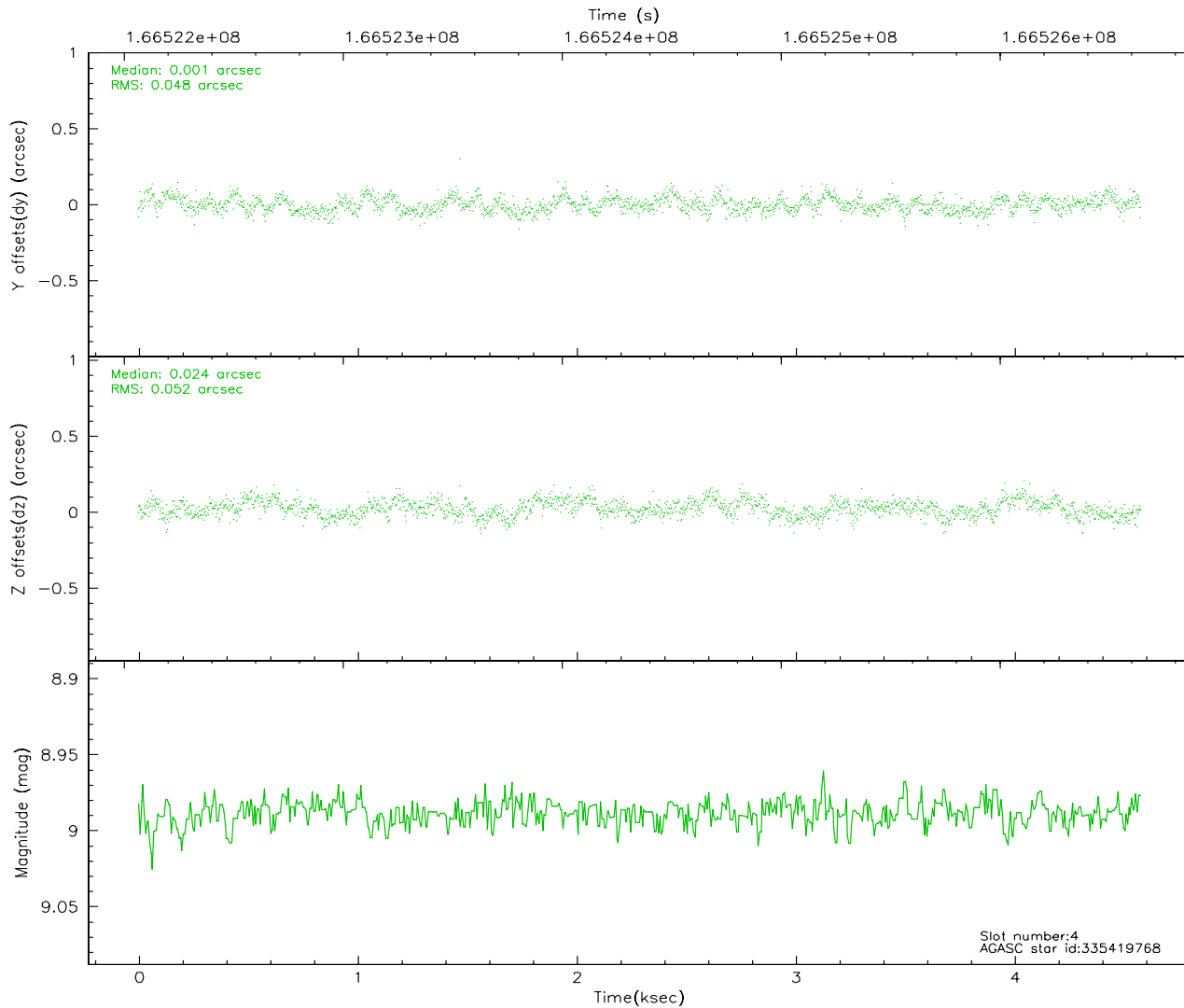
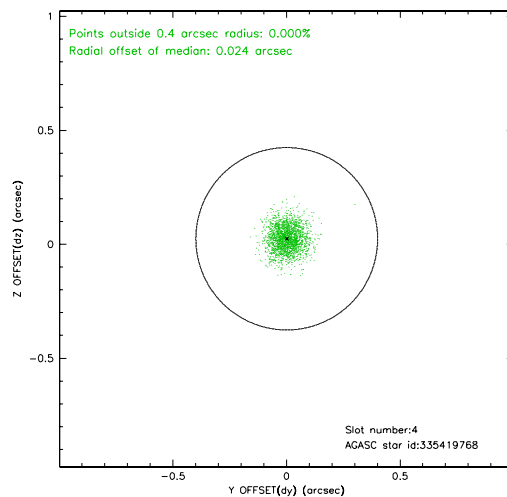
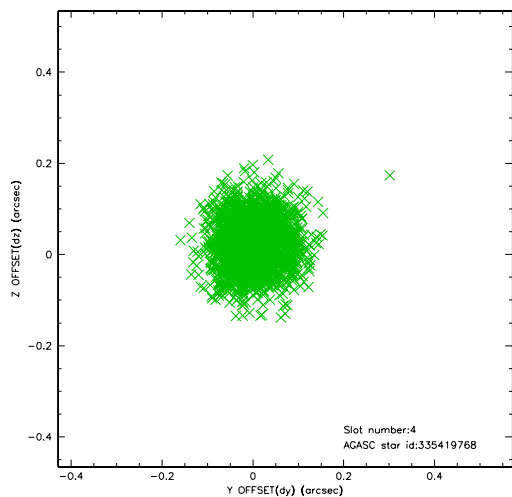
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	1117	-0.040	0.026	0.007	0.012	0.000000	0.000000	-754.58	-1727.39
1	FID	ACIS-S-4	7.20	1117	-0.042	0.012	0.005	0.009	0.000000	0.000000	2158.05	179.76
2	FID	ACIS-S-5	7.24	1117	0.051	-0.030	0.006	0.010	0.000000	0.000000	-1805.64	174.83
3	GUIDE	335413704	9.16	2234	0.014	-0.125	0.073	0.120	217.443182	36.847921	691.78	213.07
4	GUIDE	335419768	8.99	2233	0.001	0.024	0.075	0.123	218.616802	37.055947	-2105.60	-1820.00
5	GUIDE	335420408	8.11	2234	0.066	0.106	0.051	0.085	217.531011	37.144309	879.02	-867.72
6	GUIDE	335421608	9.19	2234	-0.040	0.017	0.104	0.163	217.691874	36.359353	-661.79	1545.69
7	GUIDE	335414200	8.31	2233	-0.046	-0.024	0.069	0.106	218.557202	37.138861	-1829.03	-2023.34

2.4 Star Slots

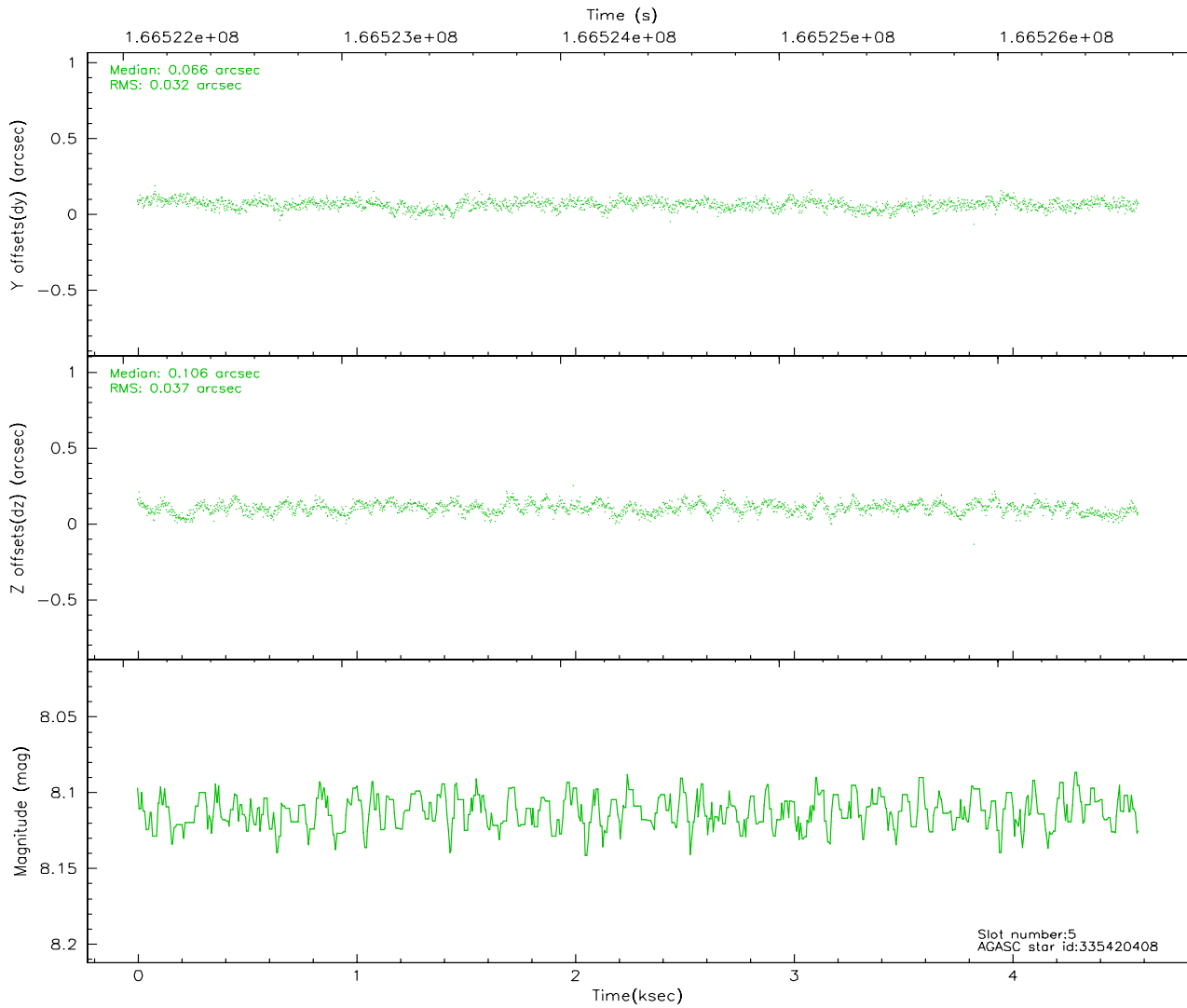
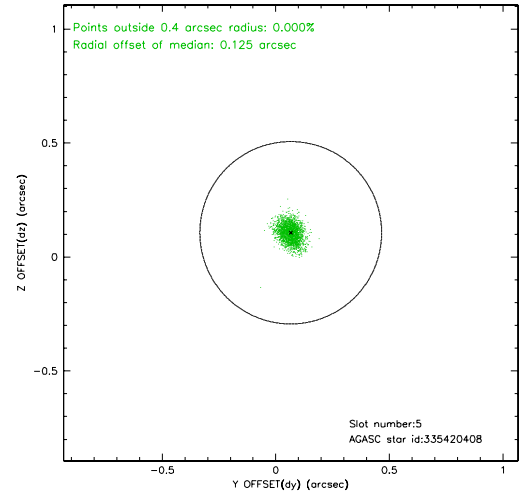
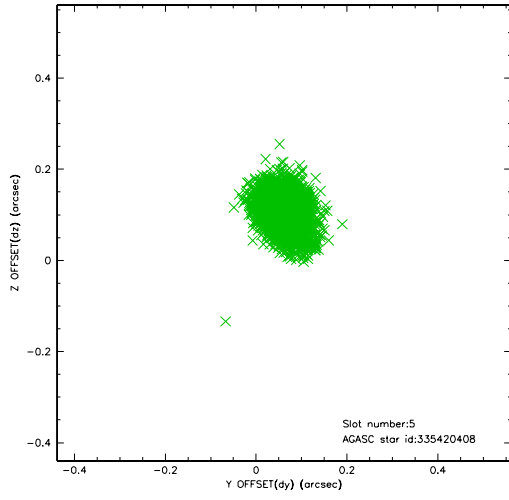
2.4.1 Slot 3



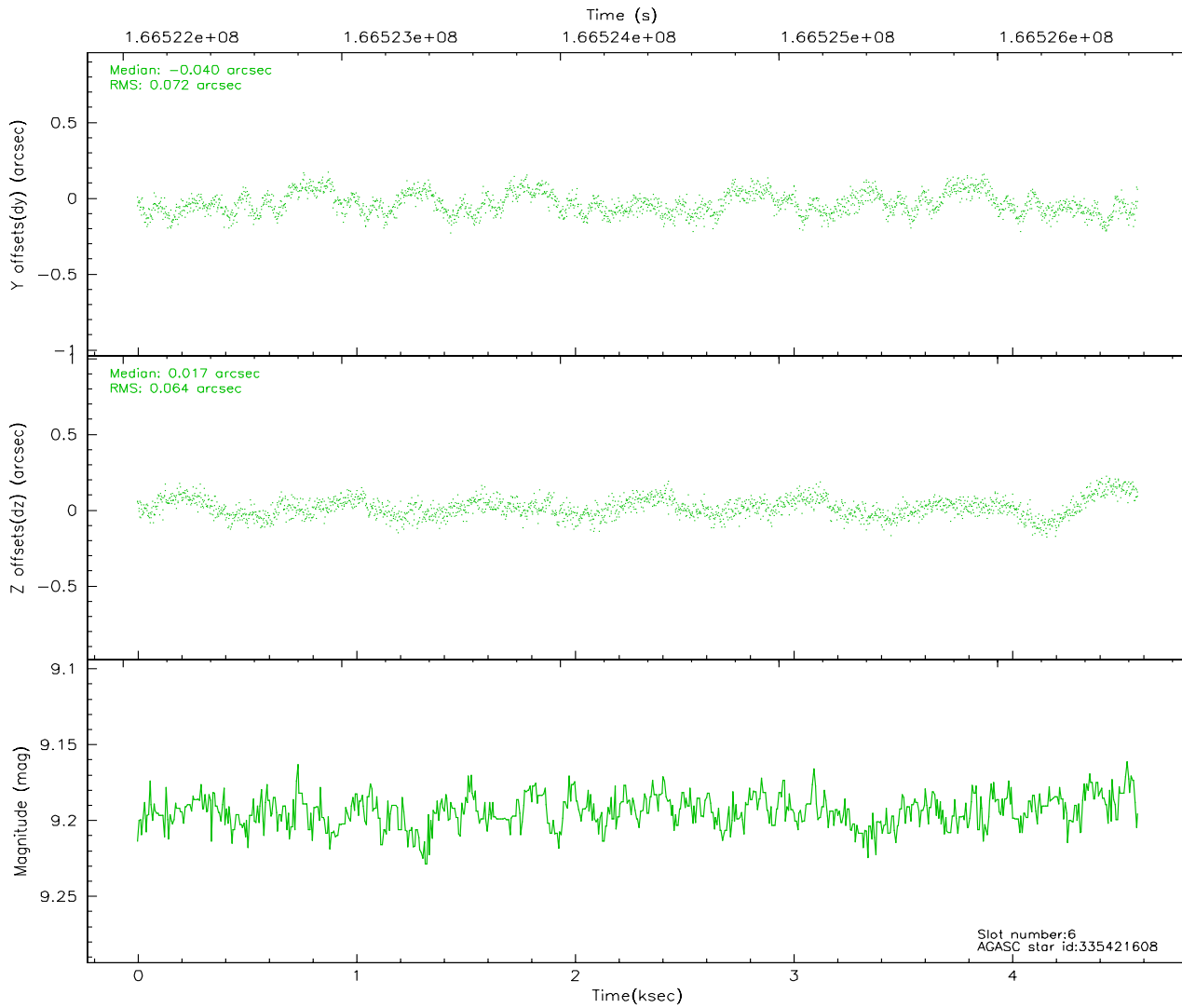
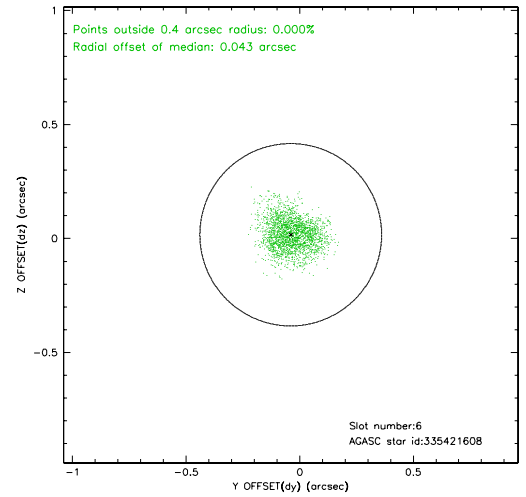
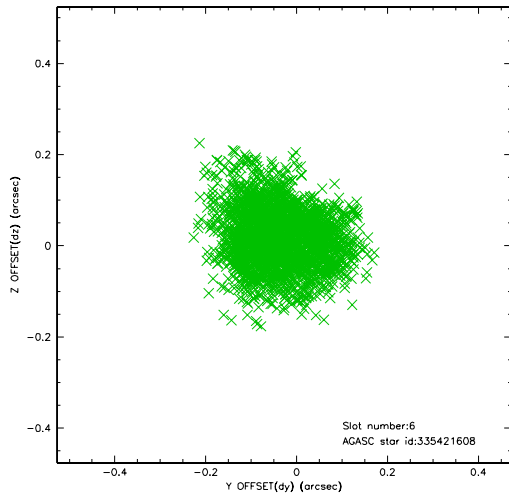
2.4.2 Slot 4



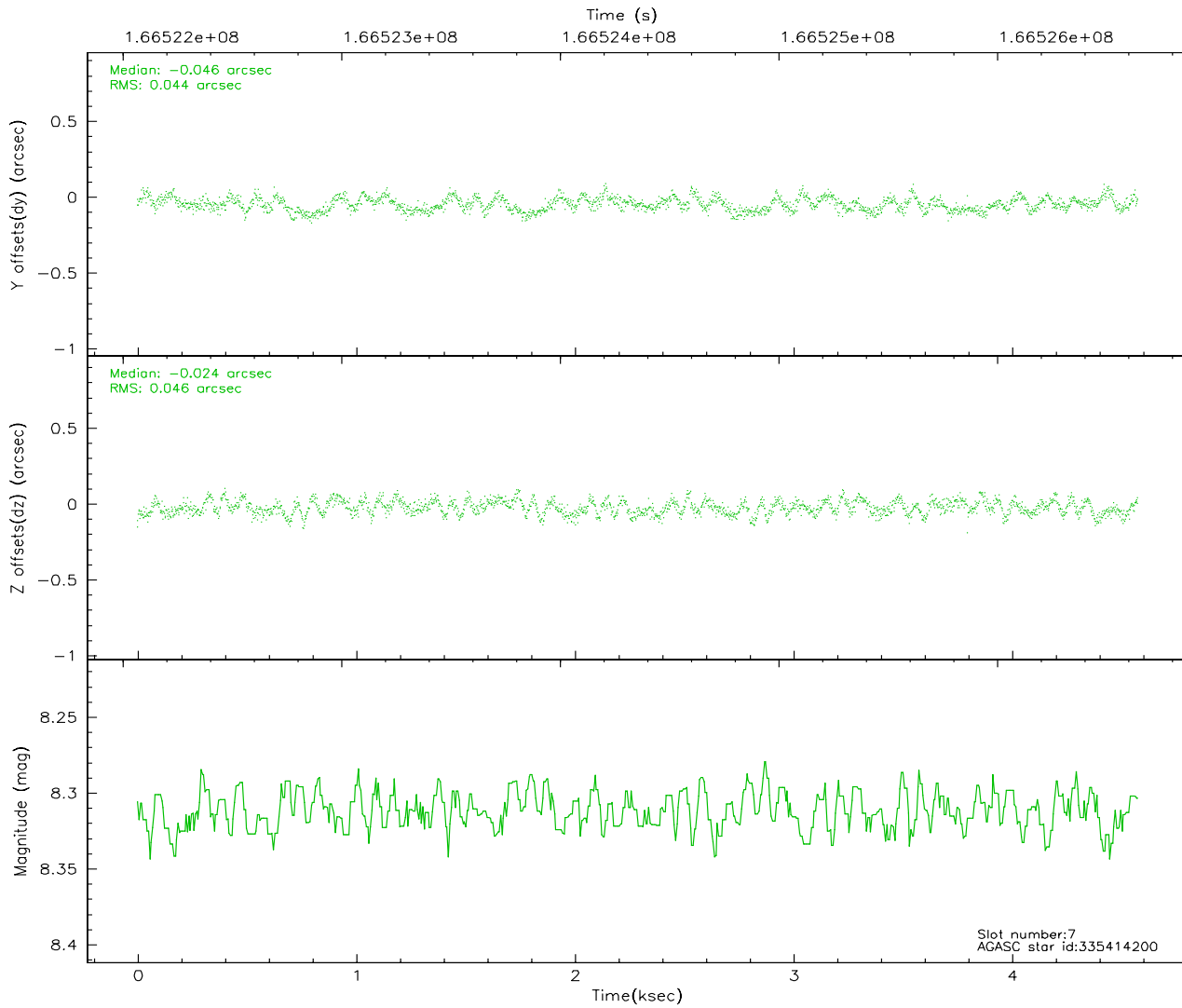
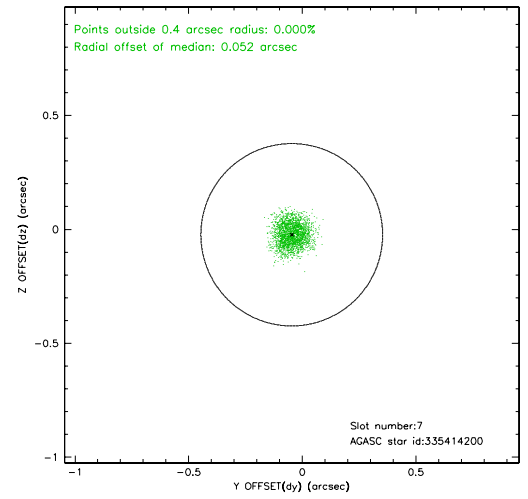
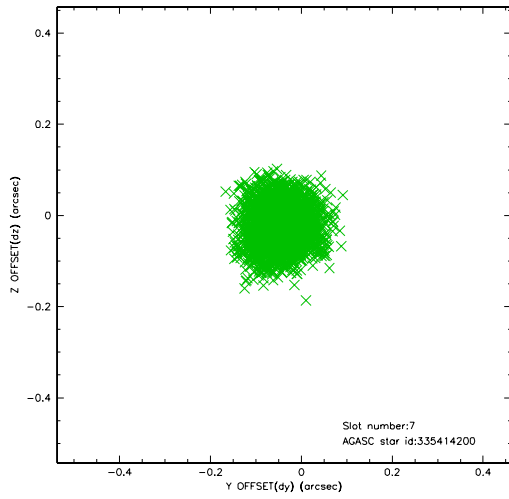
2.4.3 Slot 5



2.4.4 Slot 6

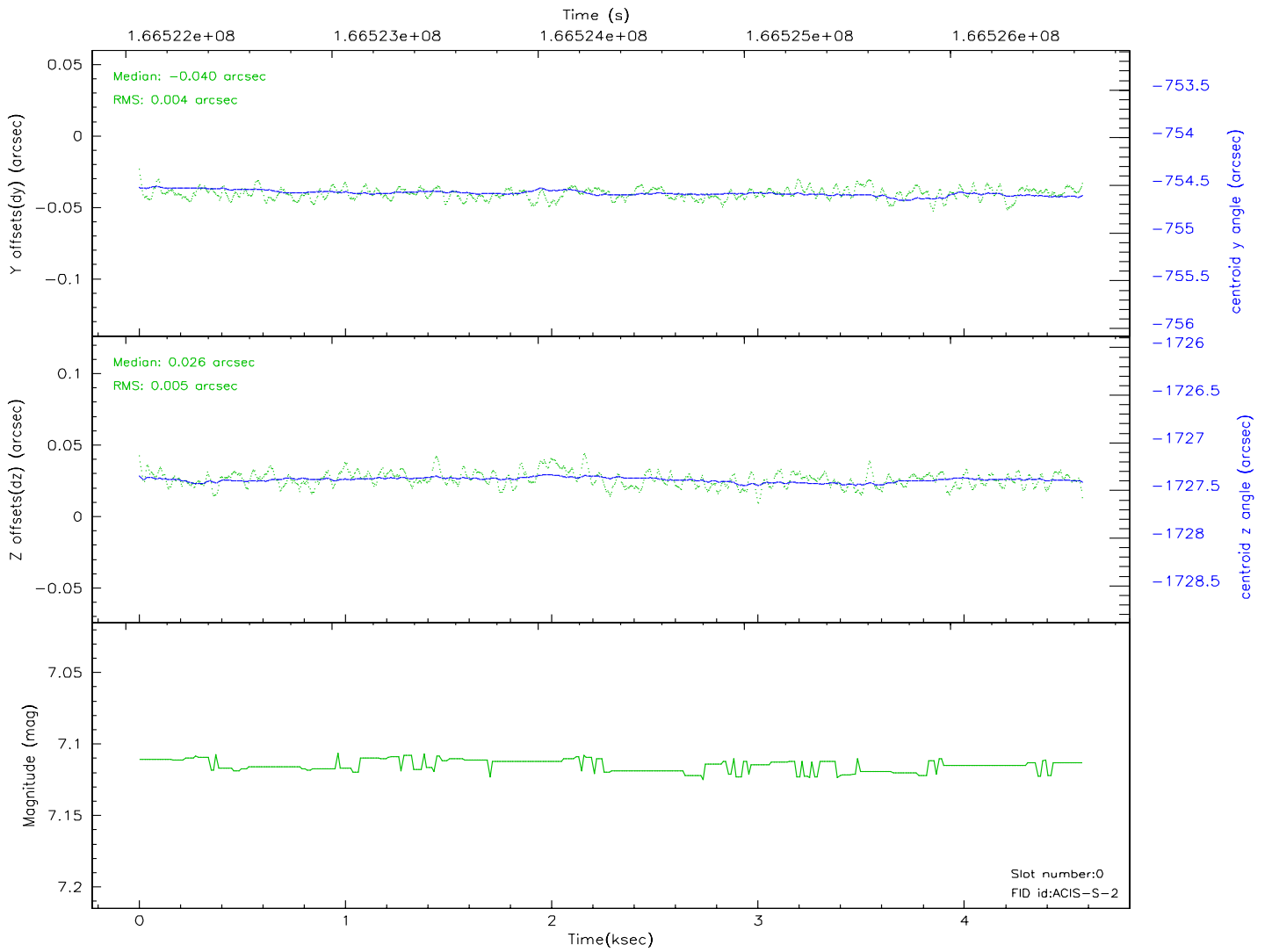
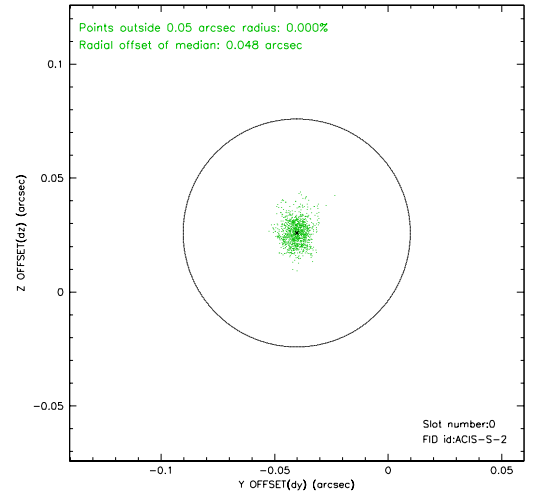
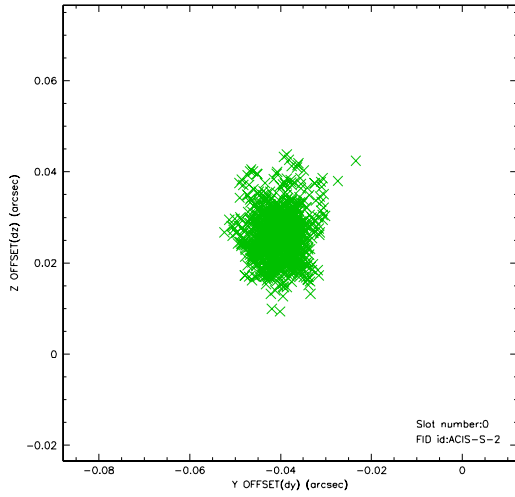


2.4.5 Slot 7

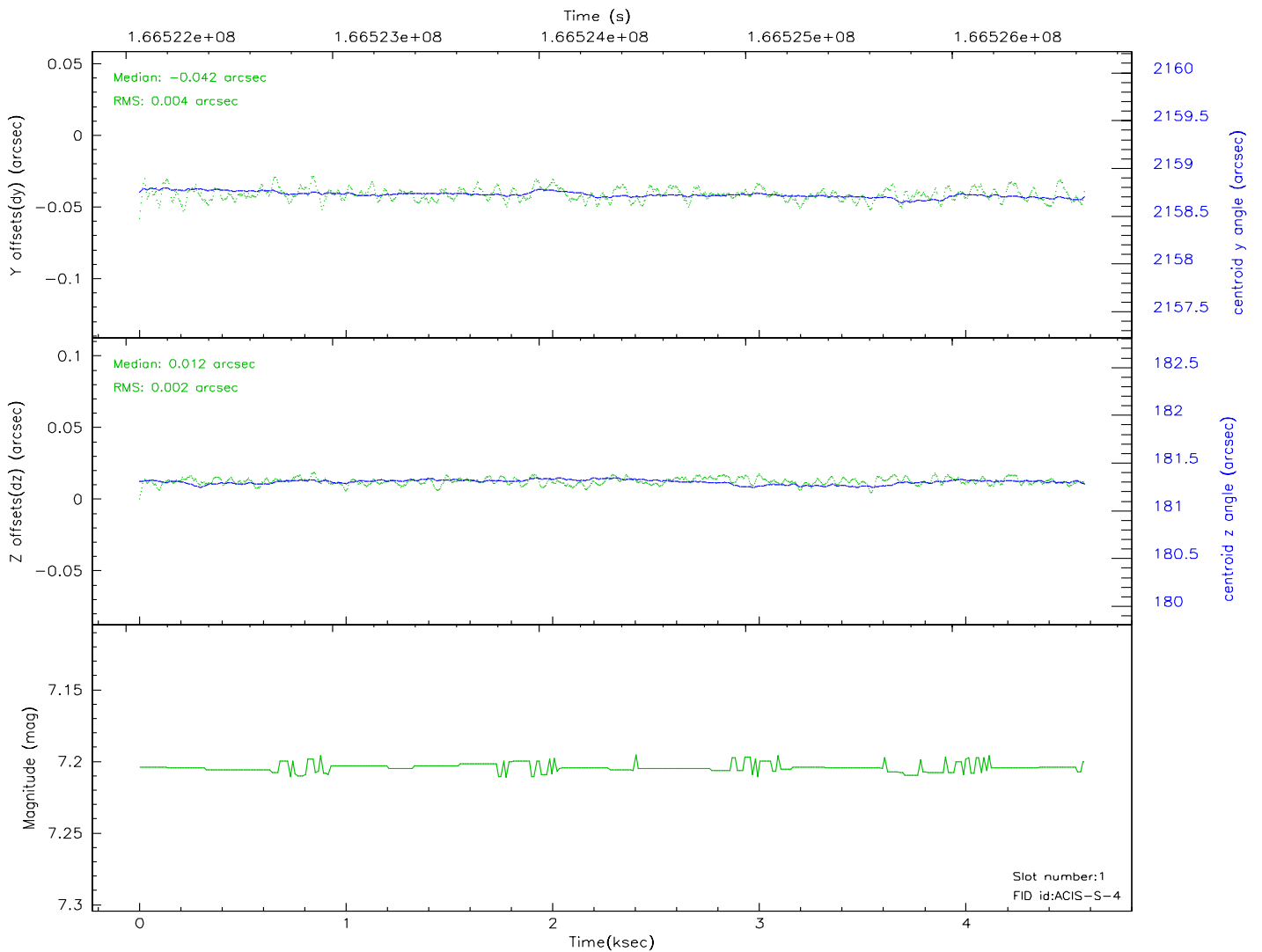
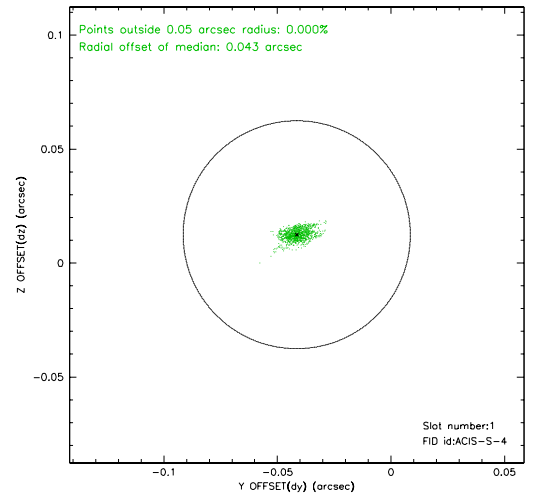
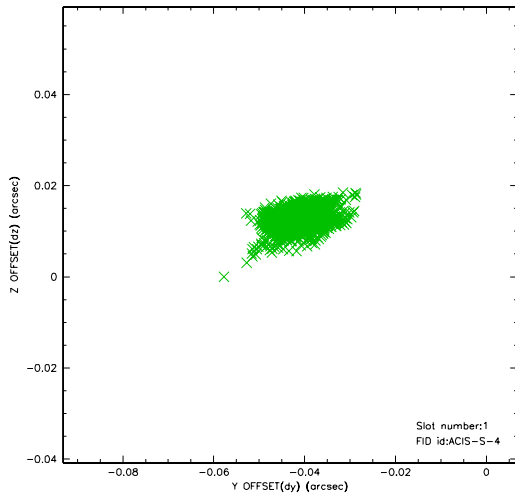


2.5 FID Slots

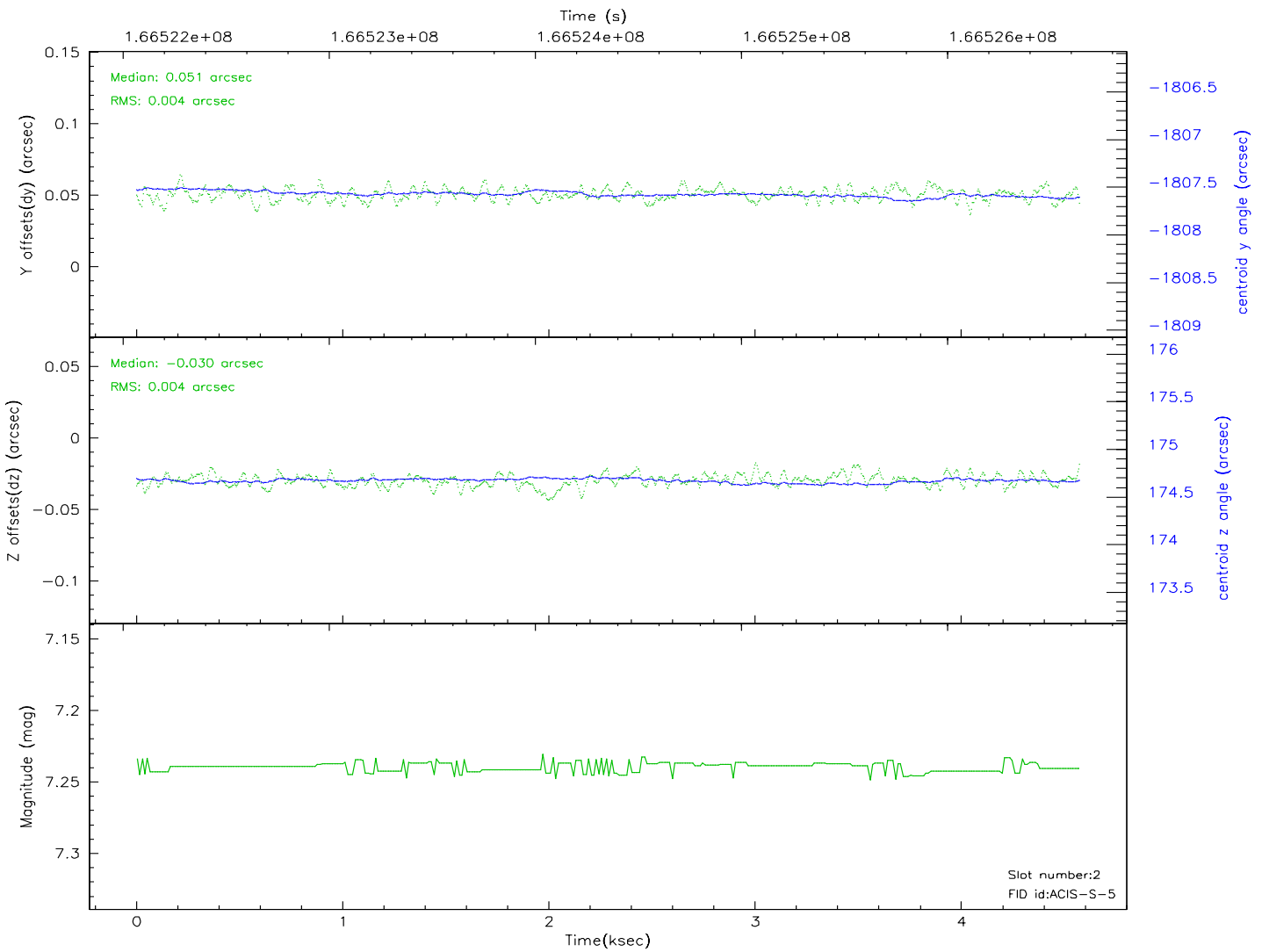
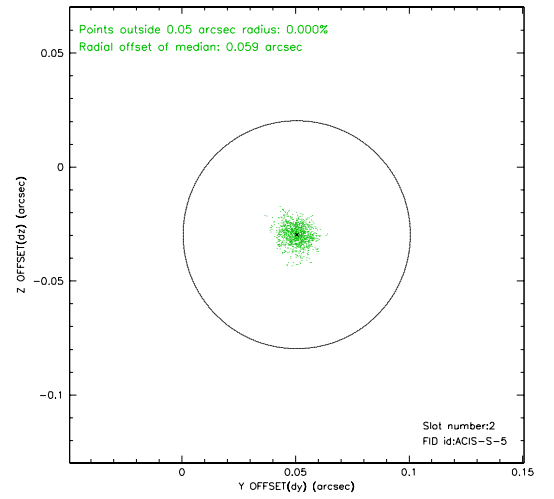
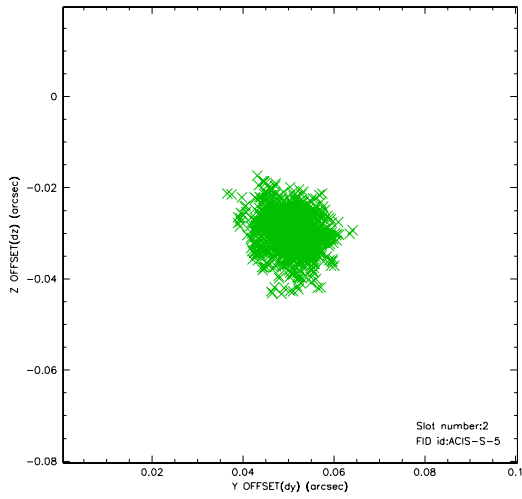
2.5.1 Slot 0



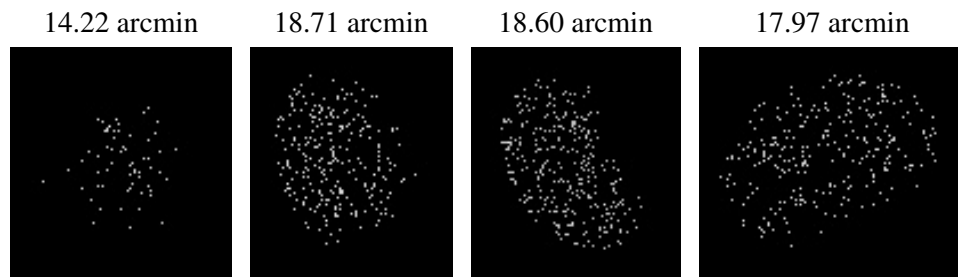
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.08.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.977

A.2 Comments