

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 520 - L2 Version 001
Chandra X-Ray Center

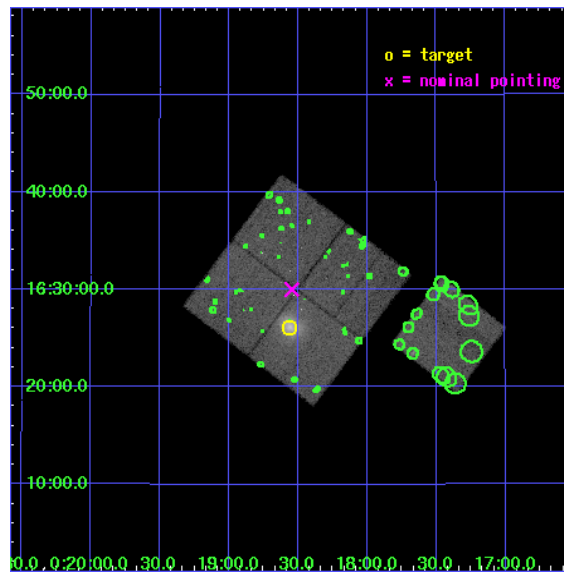
L2 Processing Date : Jun 5 2007

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1 Front

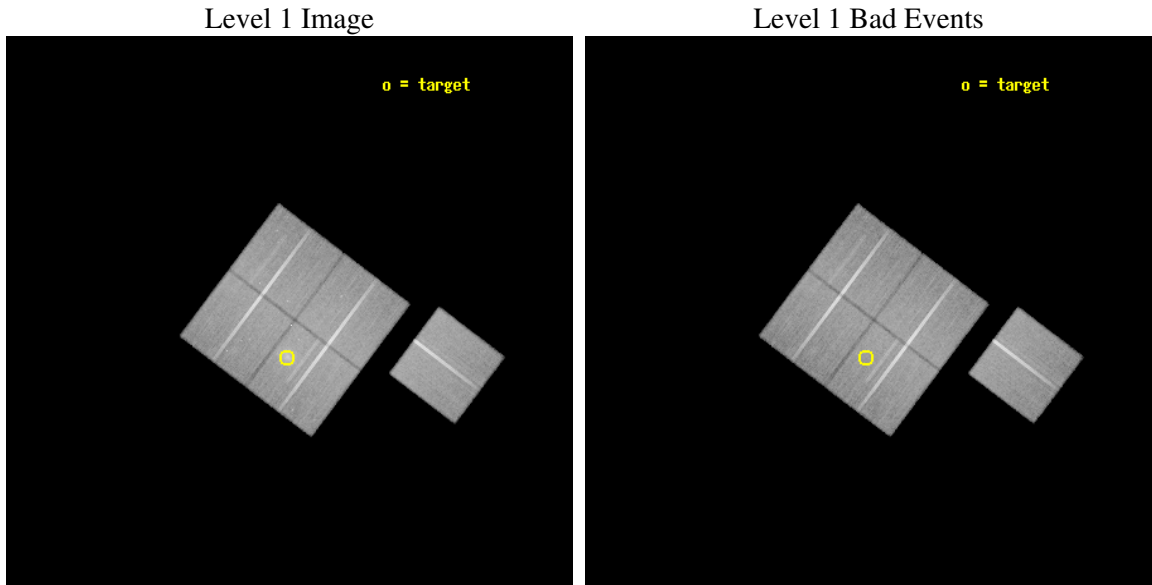
seq_num	800028
obs_id	520
title	DETERMINATION OF H0/Q0
observer	DR. LEON VANSPEYBROECK
object	MS 0015.9+1609
dtcycle	0
cycle	P
ra_targ	4.641088
dec_targ	16.435486
ra_nom	4.6363702131657
dec_nom	16.500248052941
roll_nom	127.08272834045
revision	2
ontime	68275.118103176
livetime	67410.577447413
ontime0	68281.600063592
ontime1	68271.87719278
ontime2	68281.600063592
ontime3	68275.118103176
ontime6	68281.600063592
l2events	213676



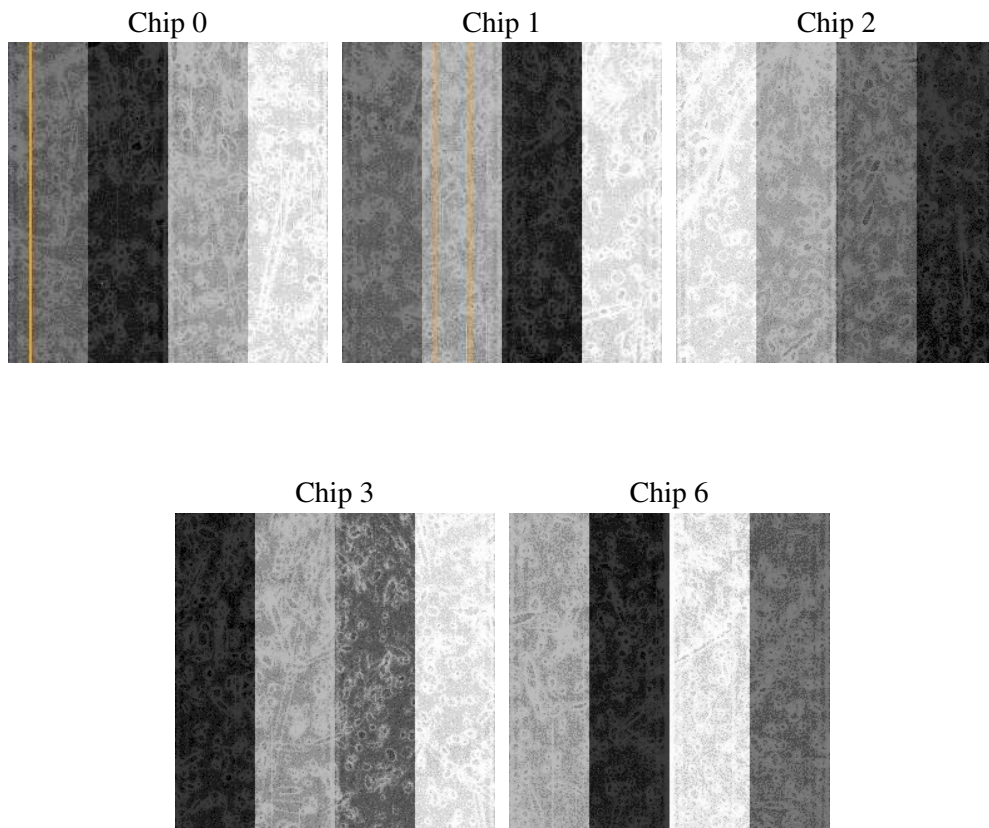
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-05T07:05:56
revision	2

sched_exp_time	68190.000000
ontime	68275.118103176
ontime0	68281.600063592
ontime1	68271.87719278
ontime2	68281.600063592
ontime3	68275.118103176
ontime6	68281.600063592
l1events	1952029

2.1.4 Events

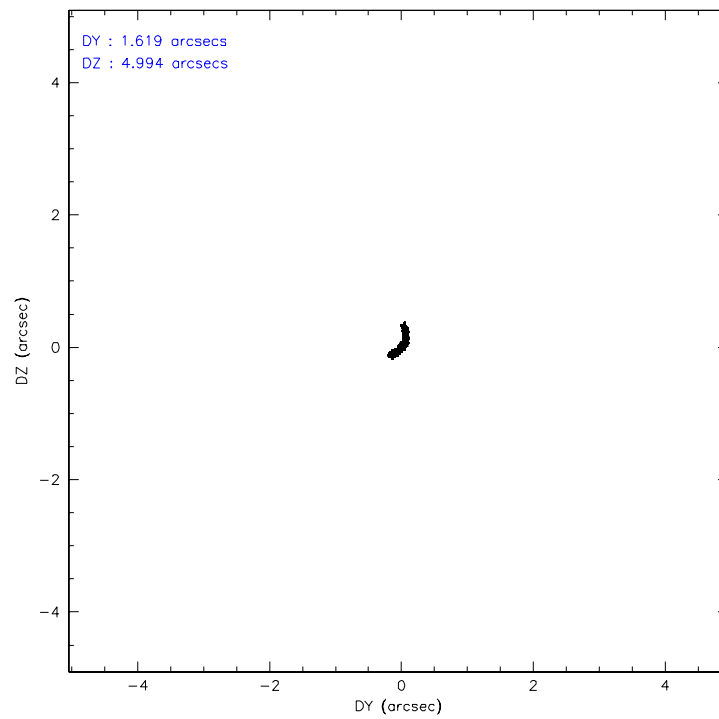
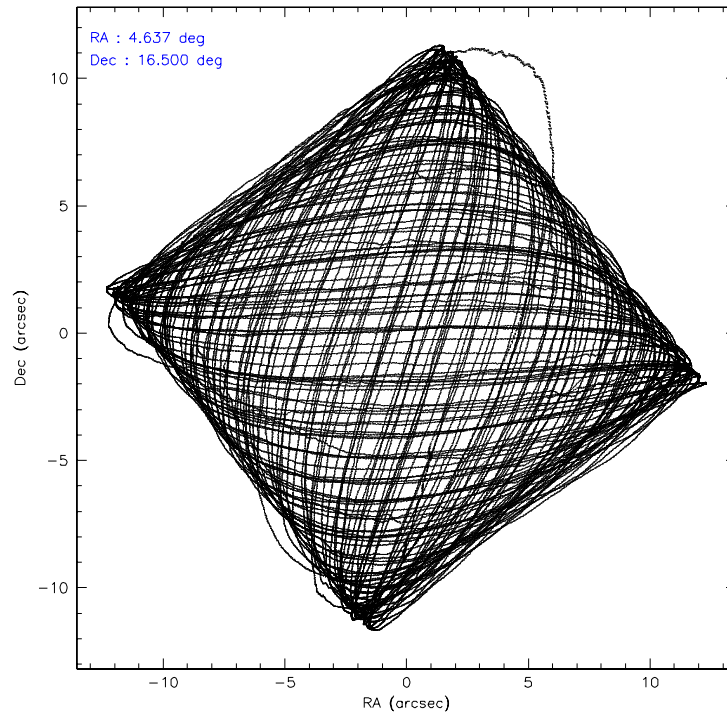
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	369291	371770	397327	419242	394399
rejected events	323109	322993	354399	354768	350297
rejected %	87%	86%	89%	84%	88%

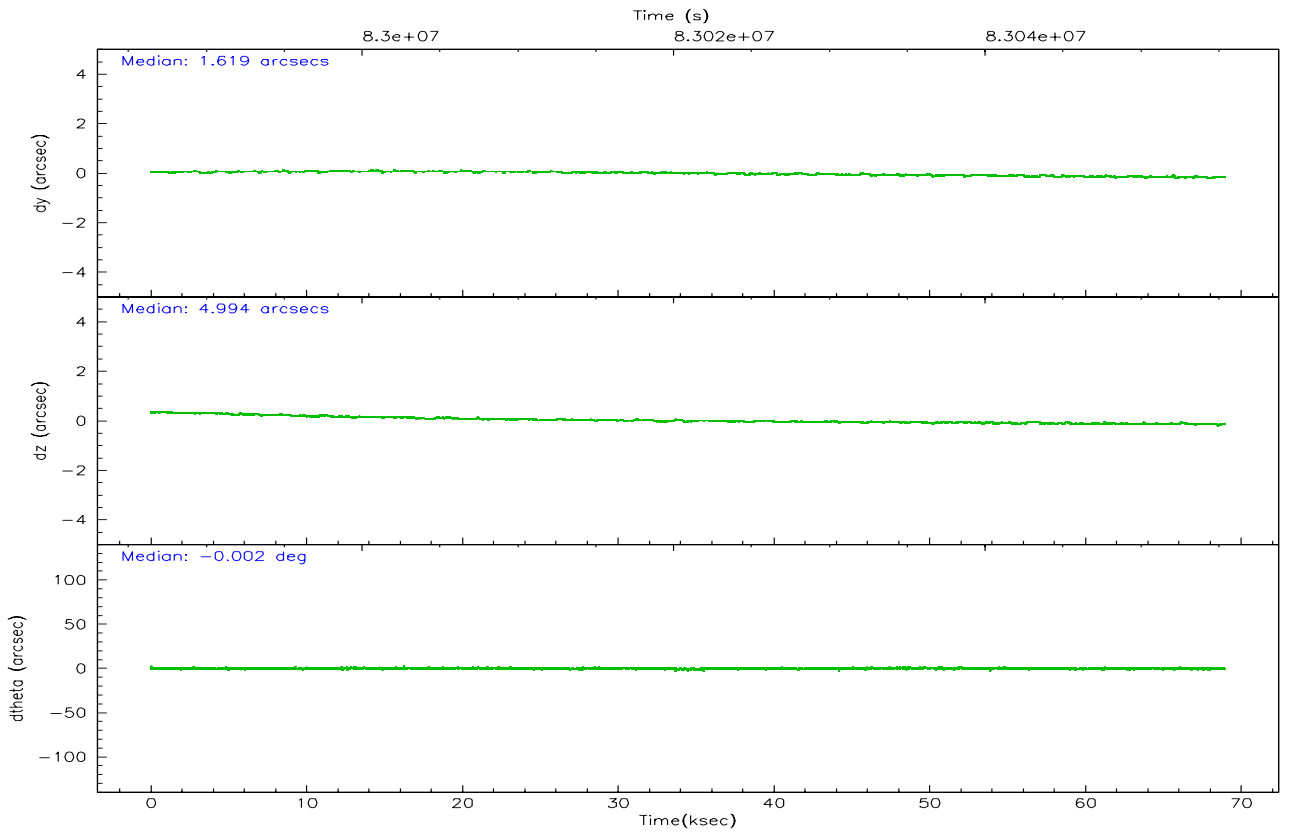
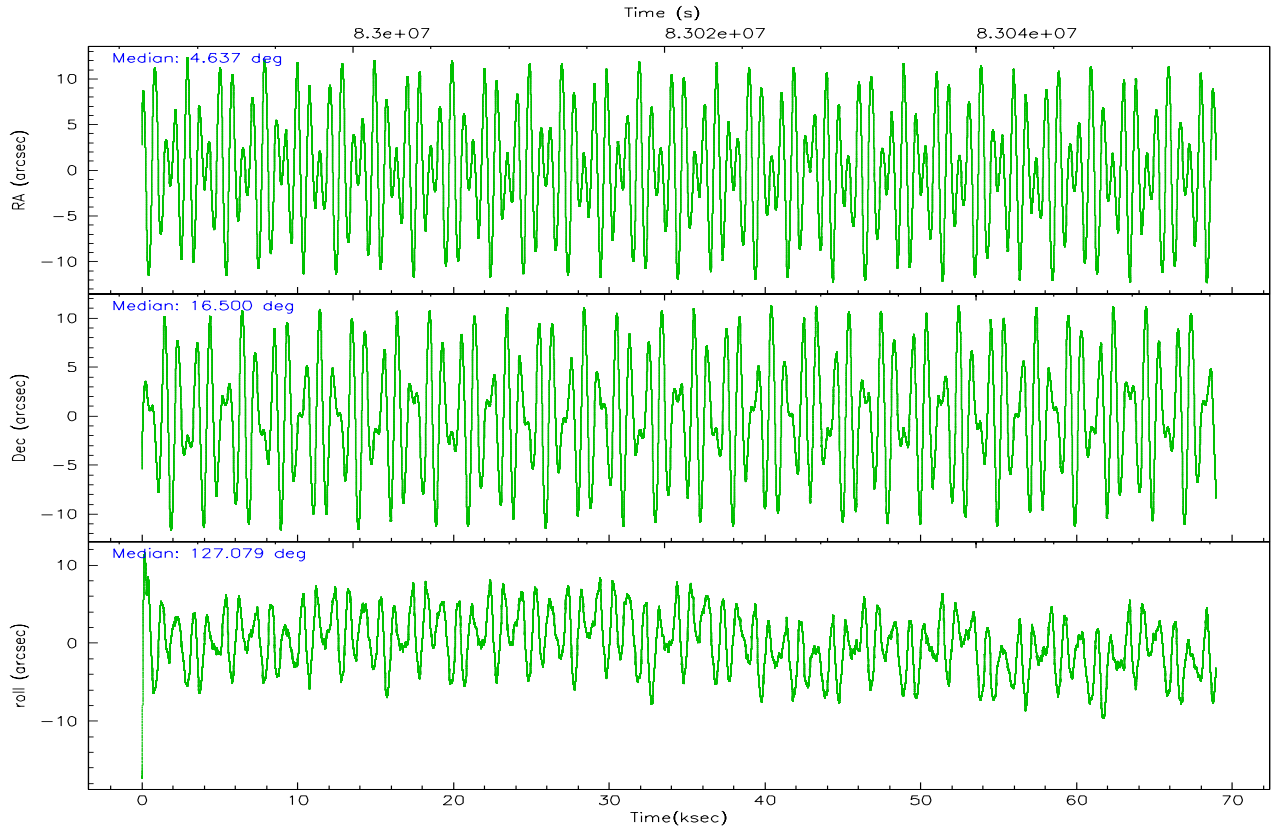
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	19990	20626	18035	36104	17891
	5%	5%	4%	8%	4%
grade 1 events	187	189	178	286	153
	0%	0%	0%	0%	0%
grade 2 events	9504	9417	9124	10616	8683
	2%	2%	2%	2%	2%
grade 3 events	4547	5004	4132	4789	4623
	1%	1%	1%	1%	1%
grade 4 events	4262	5031	4220	4807	4409
	1%	1%	1%	1%	1%
grade 5 events	13492	14592	12905	14534	15484
	3%	3%	3%	3%	3%
grade 6 events	7883	8700	7420	8159	8499
	2%	2%	1%	1%	2%
grade 7 events	309426	308211	341313	339947	334657
	83%	82%	85%	81%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	4.662771	4.636370213165692	Subarray requested	NONE	NONE
Pointing Dec	16.489418	16.50024805294112	Alternating exposures requested	N	N
Pointing Roll	126.866547	127.0827283404497	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-236.532463	-236.5241547330508			
SIM translation stage offset (mm)	2.94	2.931701730121091			
Observation start time	82987223.184000	82985879.607796			
Observation start date	2000-08-18T11:59:19	2000-08-18T11:37:59			
Observation end time	83055413.184000	83056012.16042399			
Observation end date	2000-08-19T06:55:49	2000-08-19T07:06:52			
Read mode	TIMED	TIMED			

2.3 Aspect



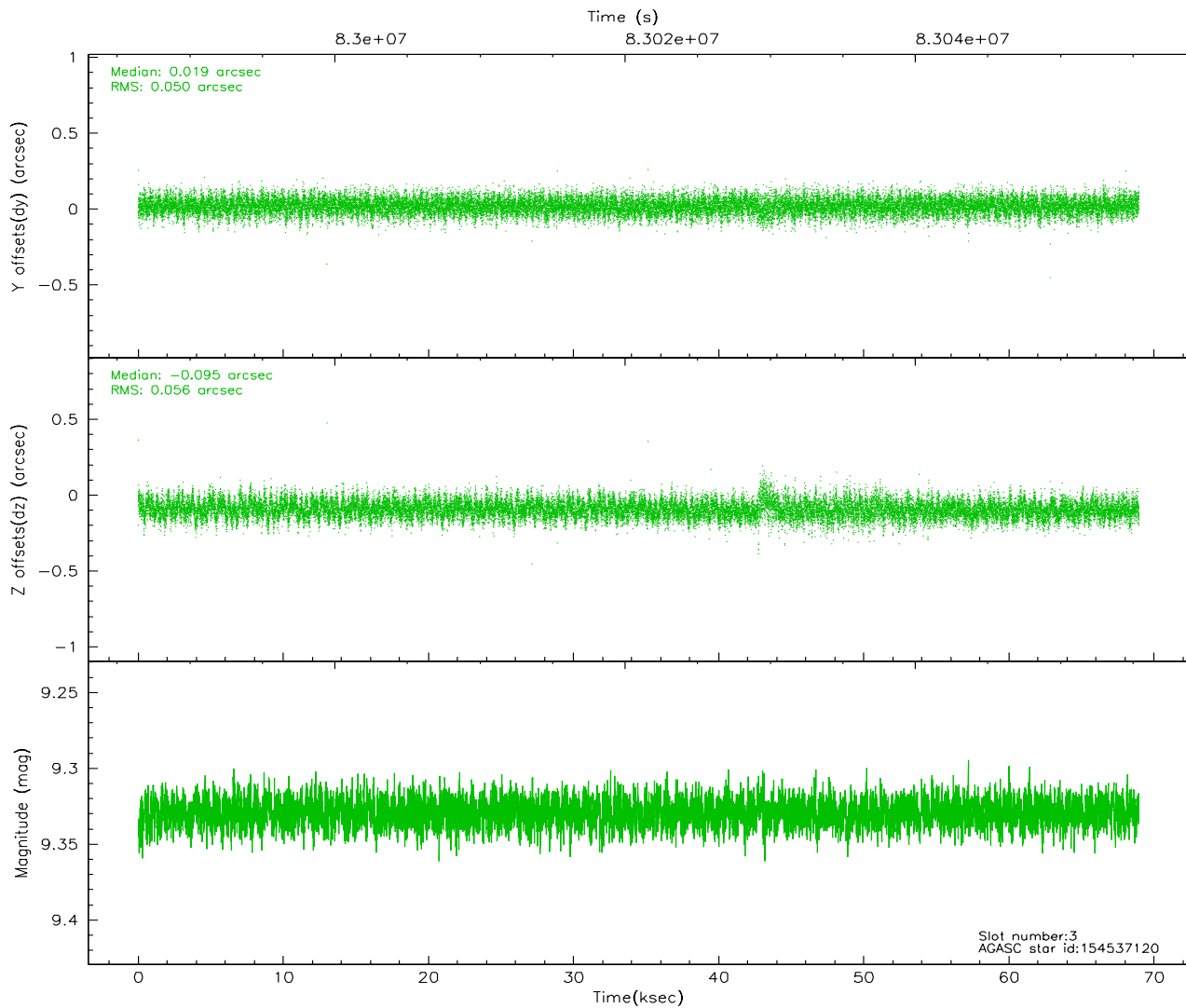
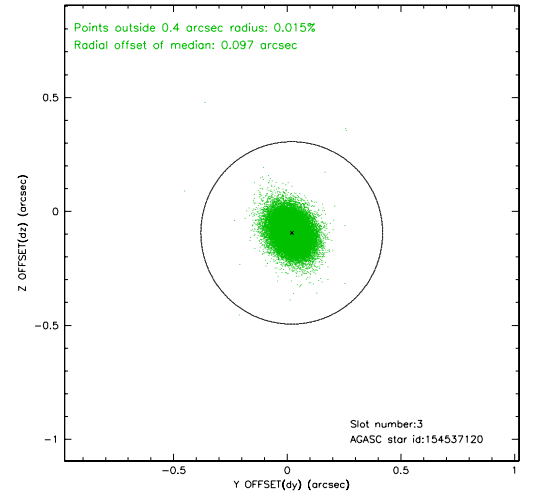
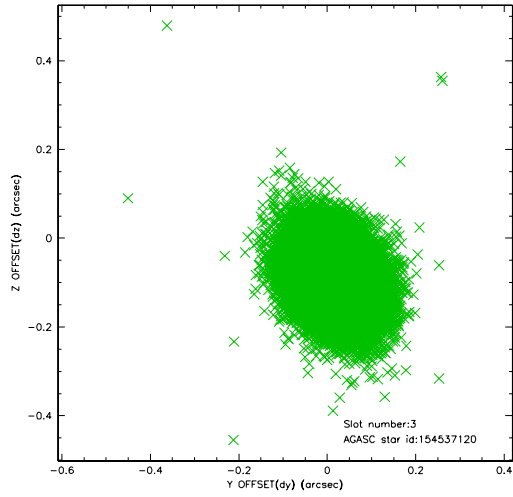


Slot Statistics

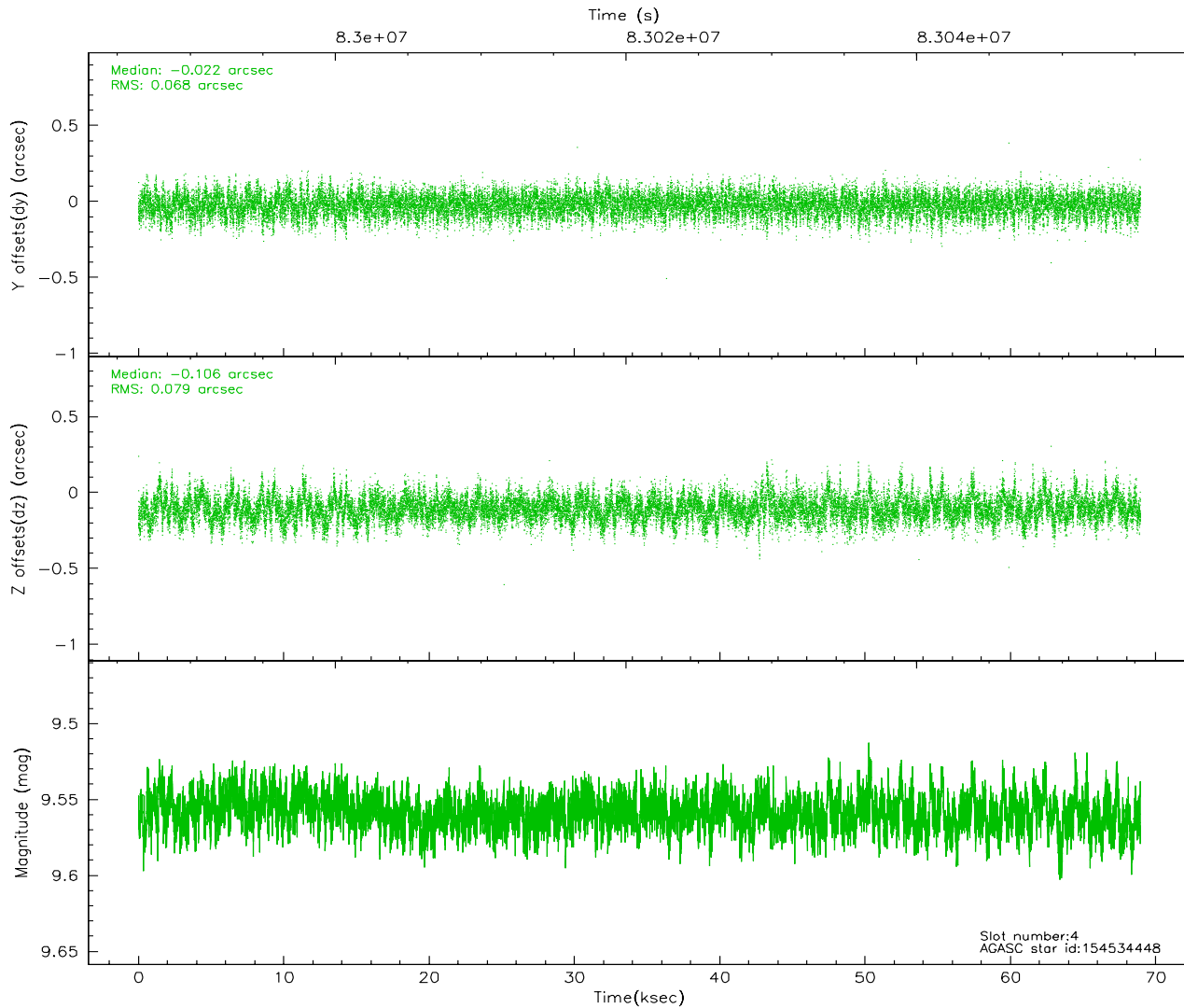
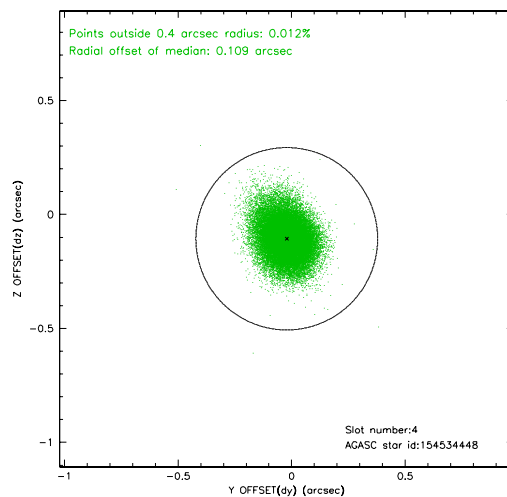
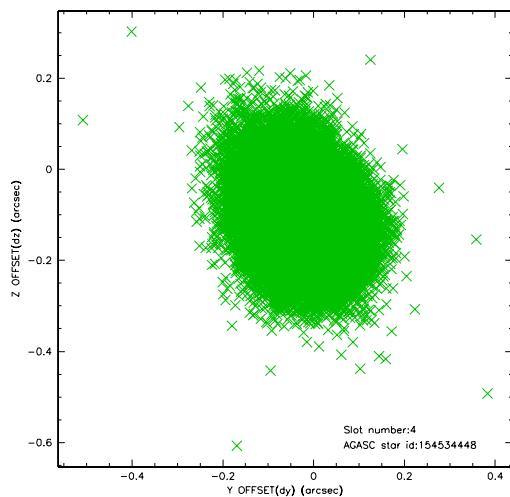
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	16820	-0.003	0.007	0.010	0.018	0.000000	0.000000	-755.74	-774.79
1	FID	ACIS-I-4	7.21	16817	-0.050	0.011	0.006	0.010	0.000000	0.000000	2158.32	1131.43
2	FID	ACIS-I-5	7.23	16816	-0.048	0.051	0.010	0.016	0.000000	0.000000	-1809.83	1129.64
3	GUIDE	154537120	9.33	33628	0.019	-0.095	0.079	0.129	4.414111	16.631473	924.73	379.78
4	GUIDE	154534448	9.56	33622	-0.022	-0.106	0.109	0.180	4.237899	16.324663	407.91	1529.96
5	GUIDE	154540528	9.81	33624	-0.047	0.070	0.103	0.172	4.507011	16.765383	1117.69	-165.68
6	GUIDE	154534888	9.17	33625	0.207	-0.120	0.074	0.122	4.912149	15.886441	-2253.48	611.73
7	GUIDE	154541992	9.65	33590	-0.162	0.248	0.129	0.204	5.049979	17.133128	1056.38	-2455.75

2.4 Star Slots

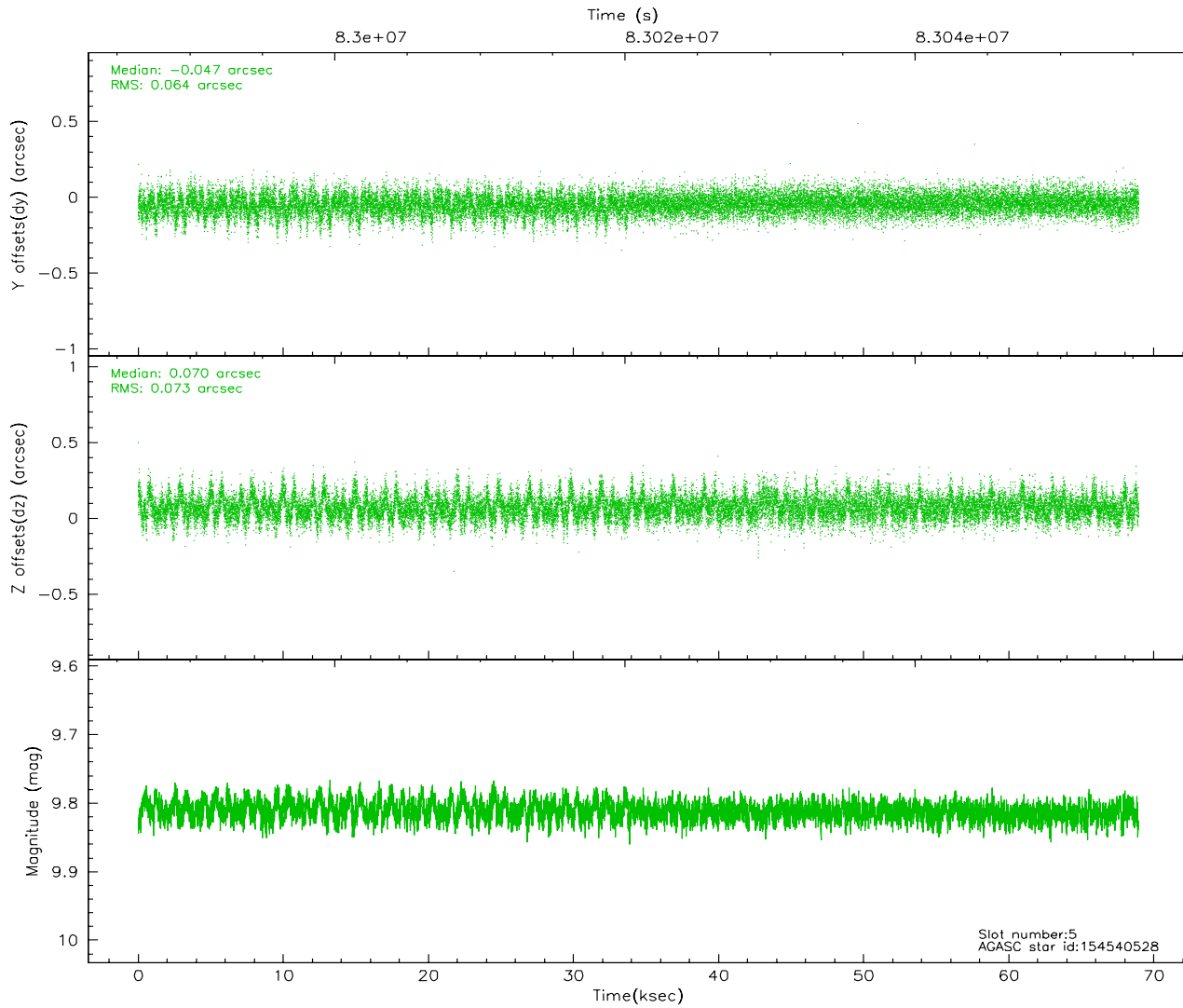
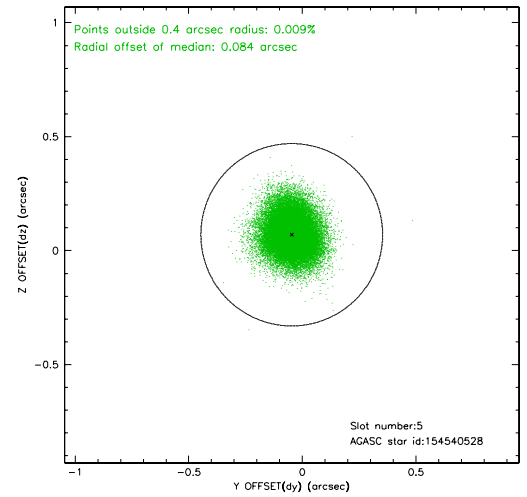
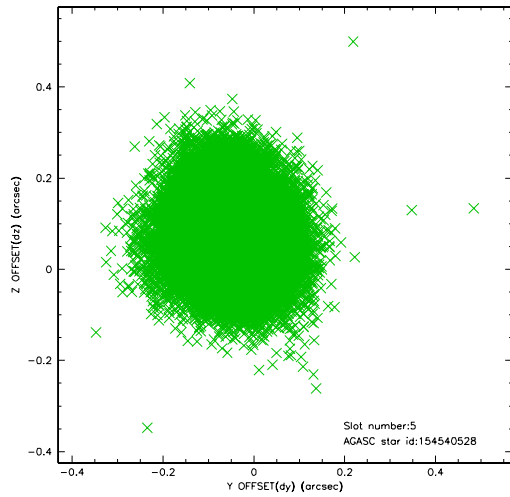
2.4.1 Slot 3



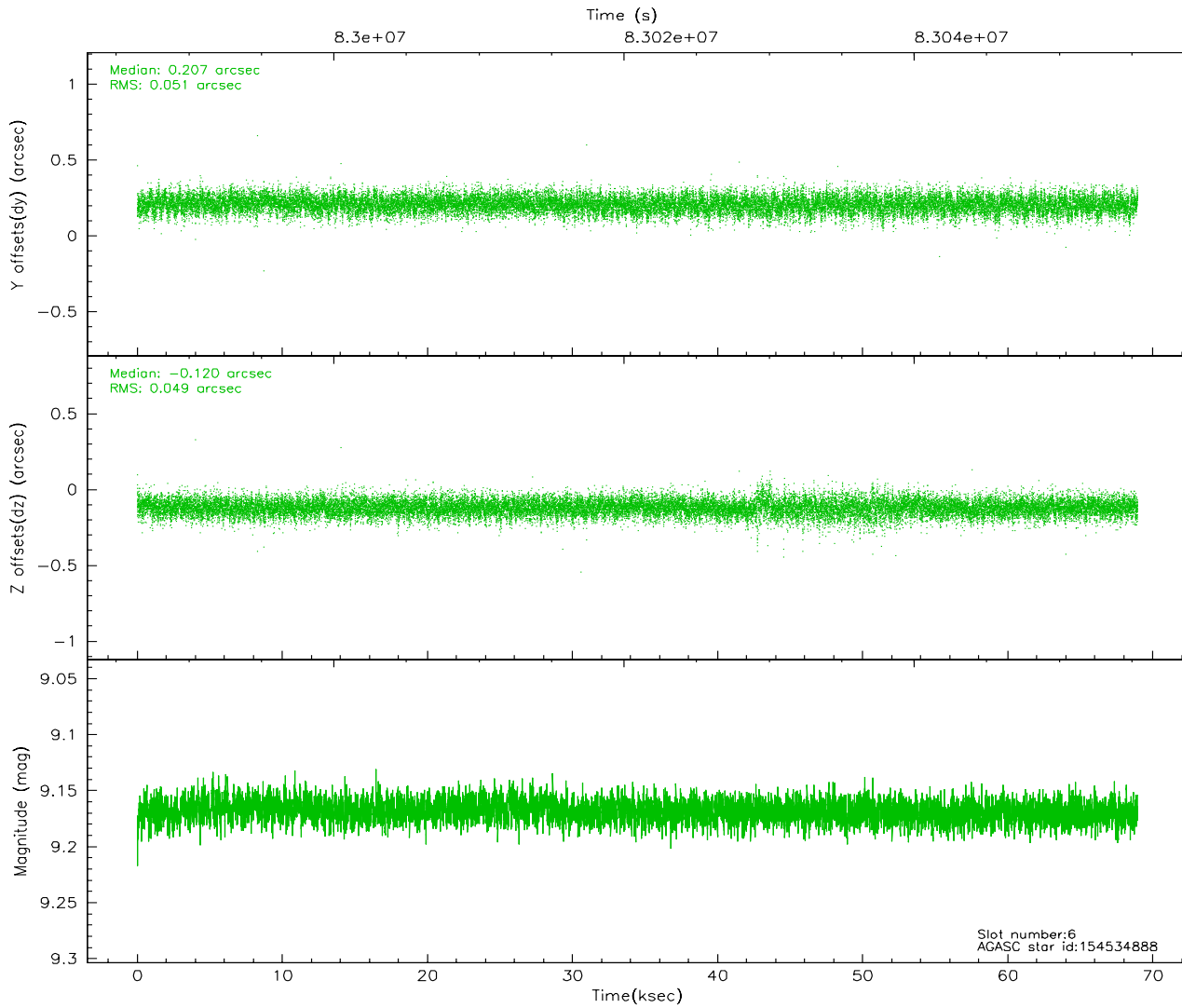
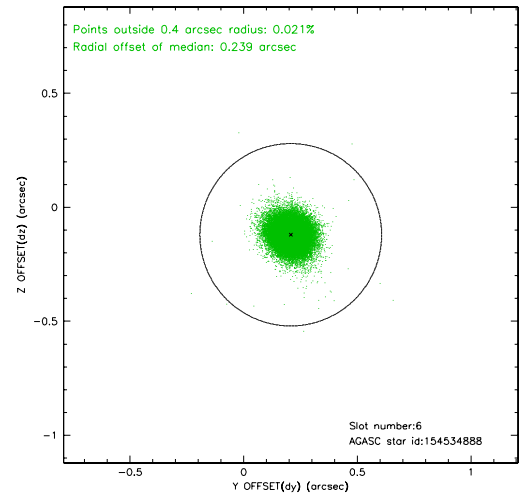
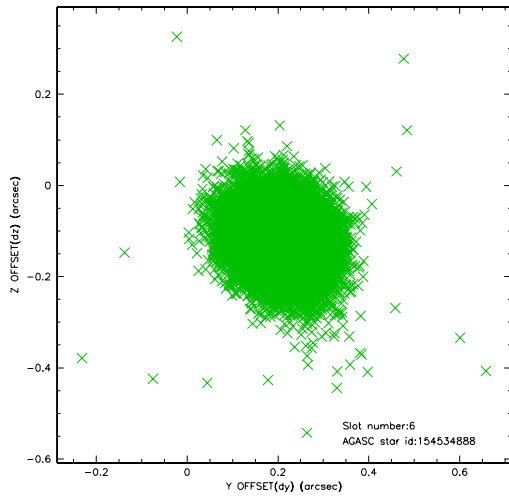
2.4.2 Slot 4



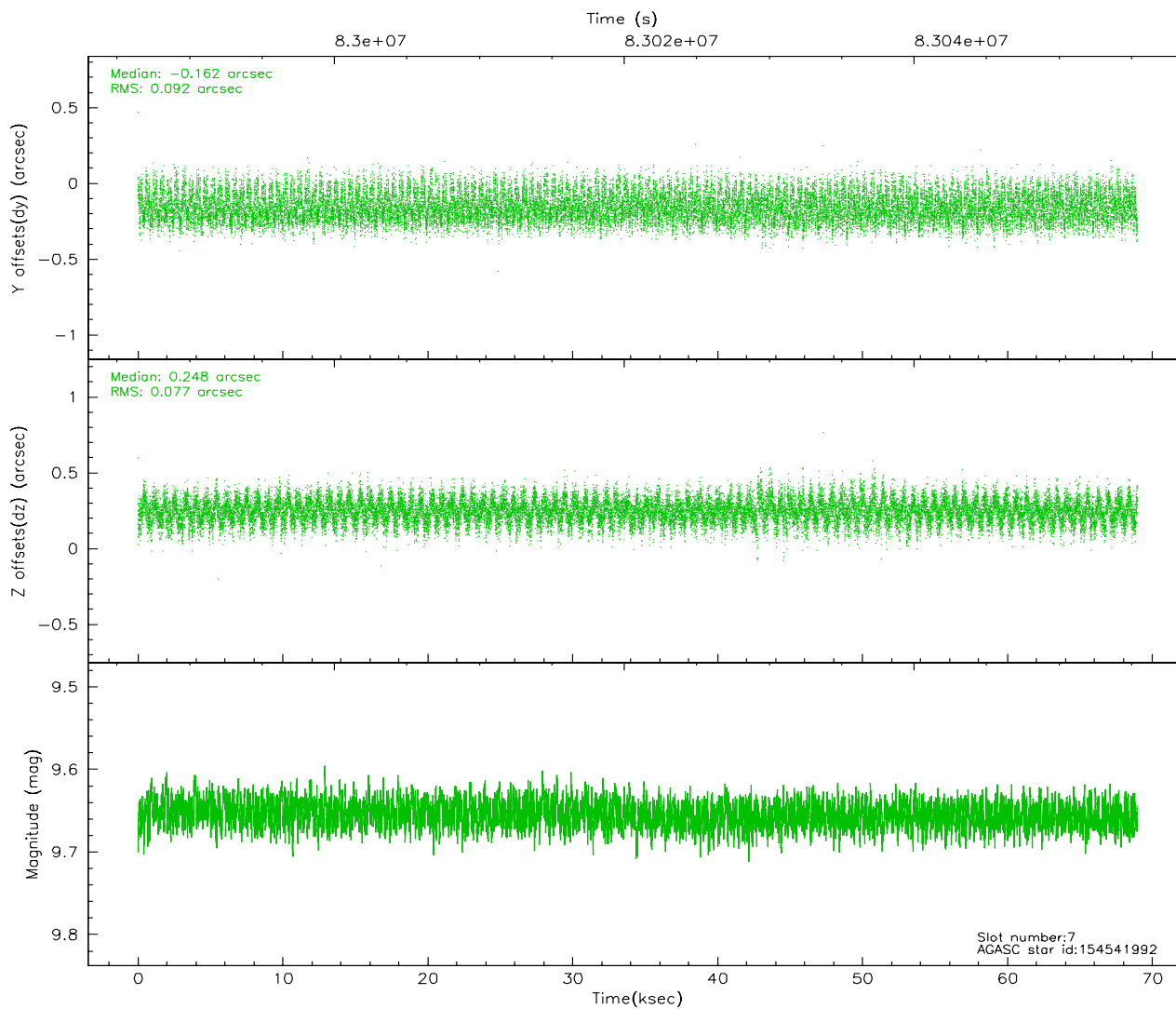
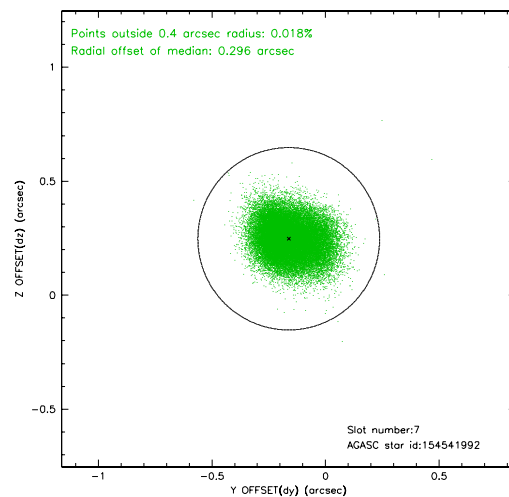
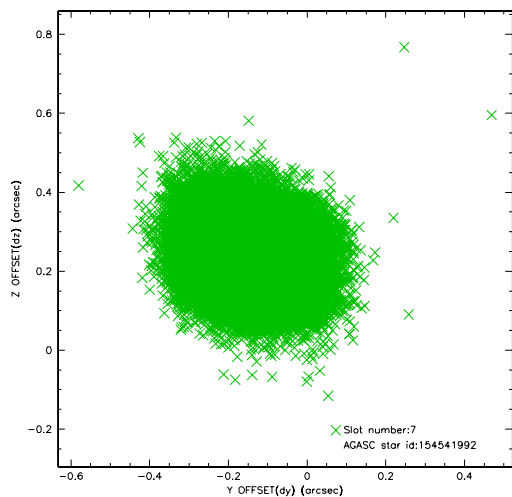
2.4.3 Slot 5



2.4.4 Slot 6

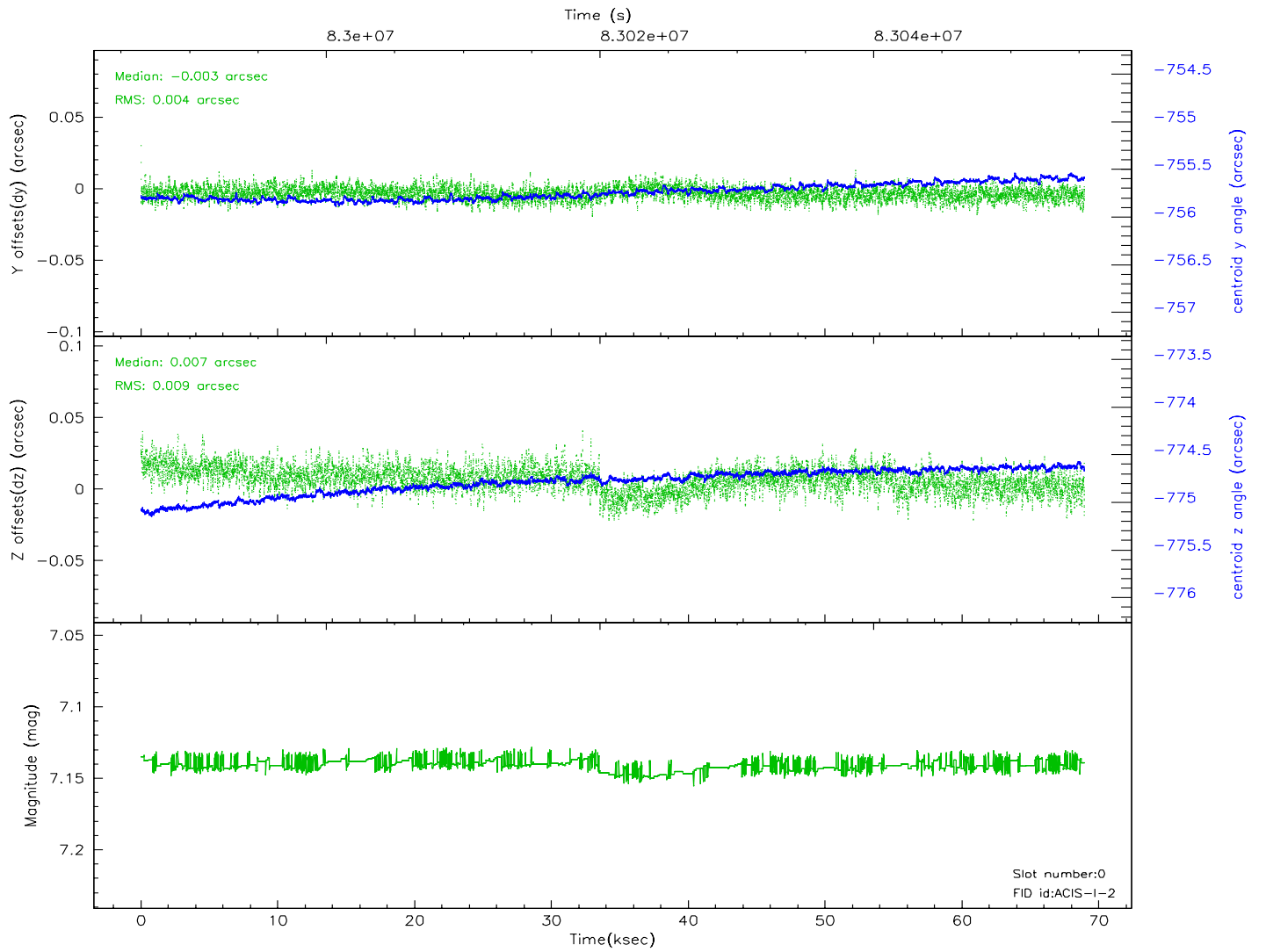
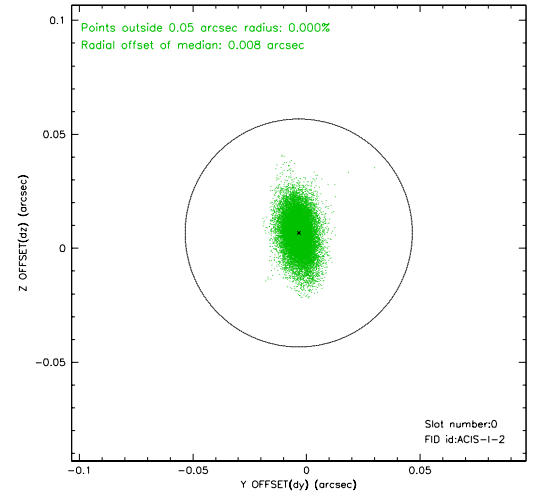
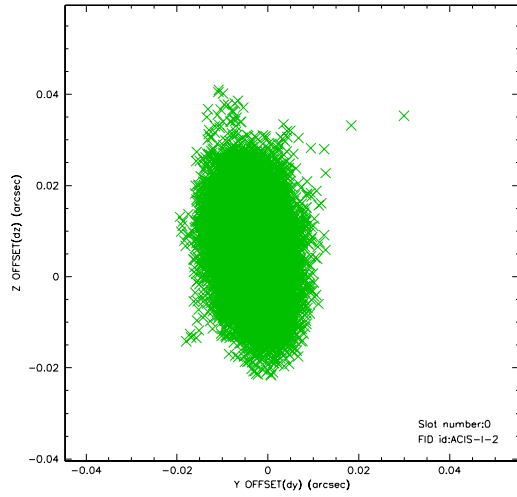


2.4.5 Slot 7

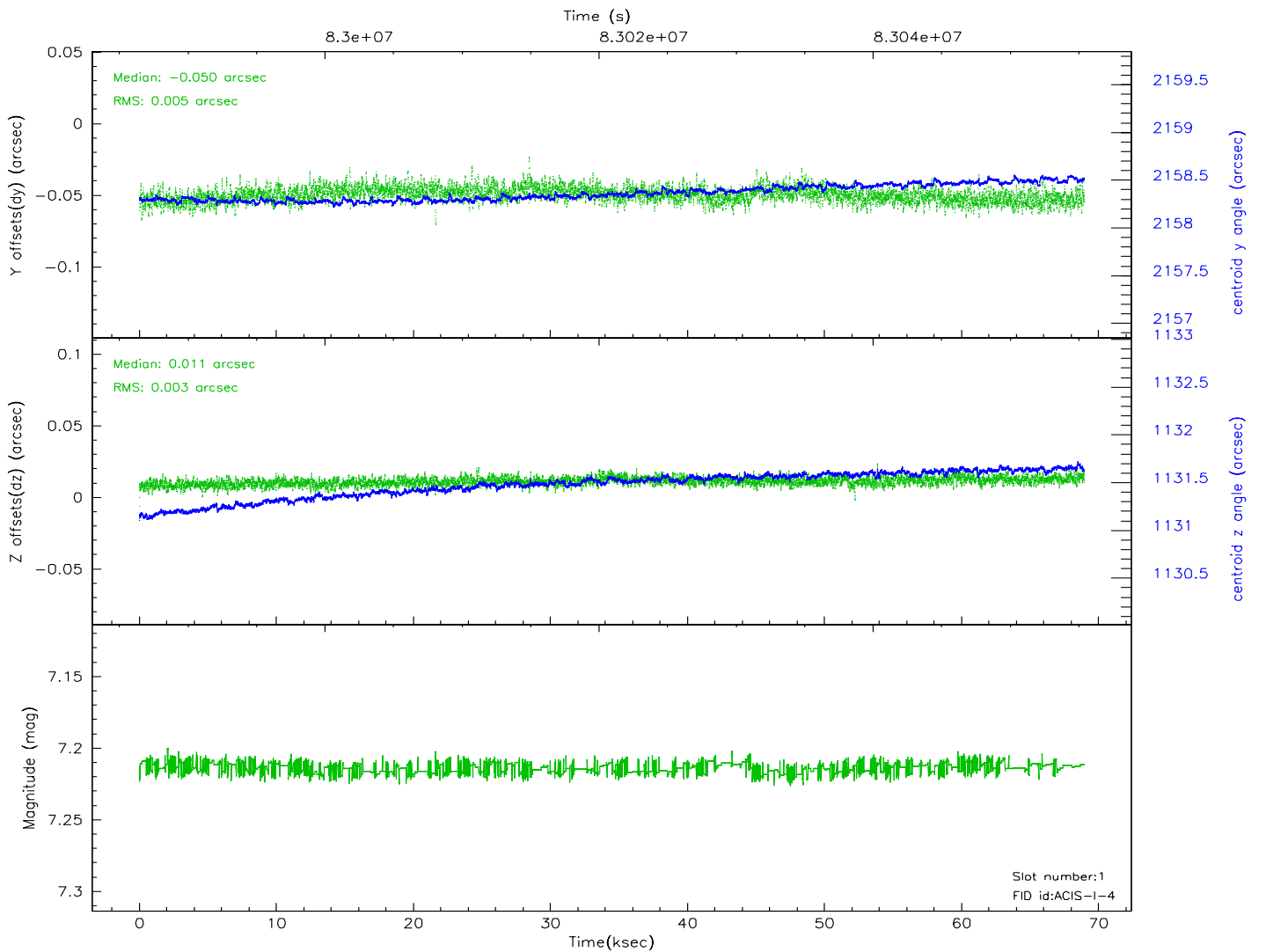
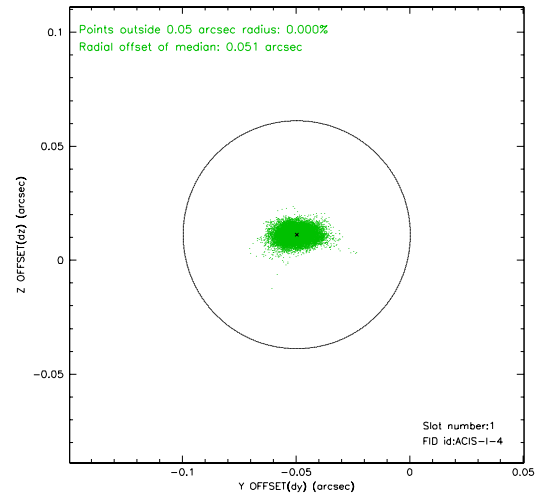
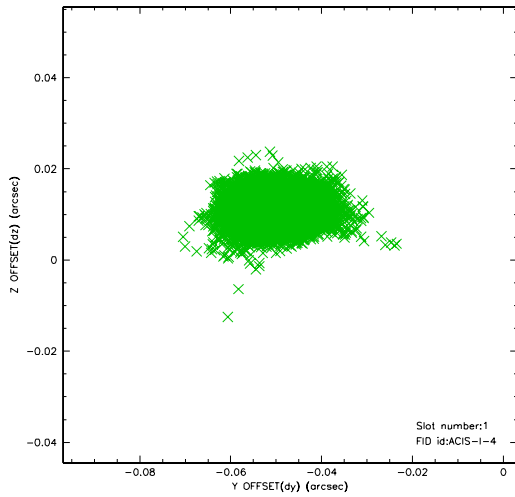


2.5 FID Slots

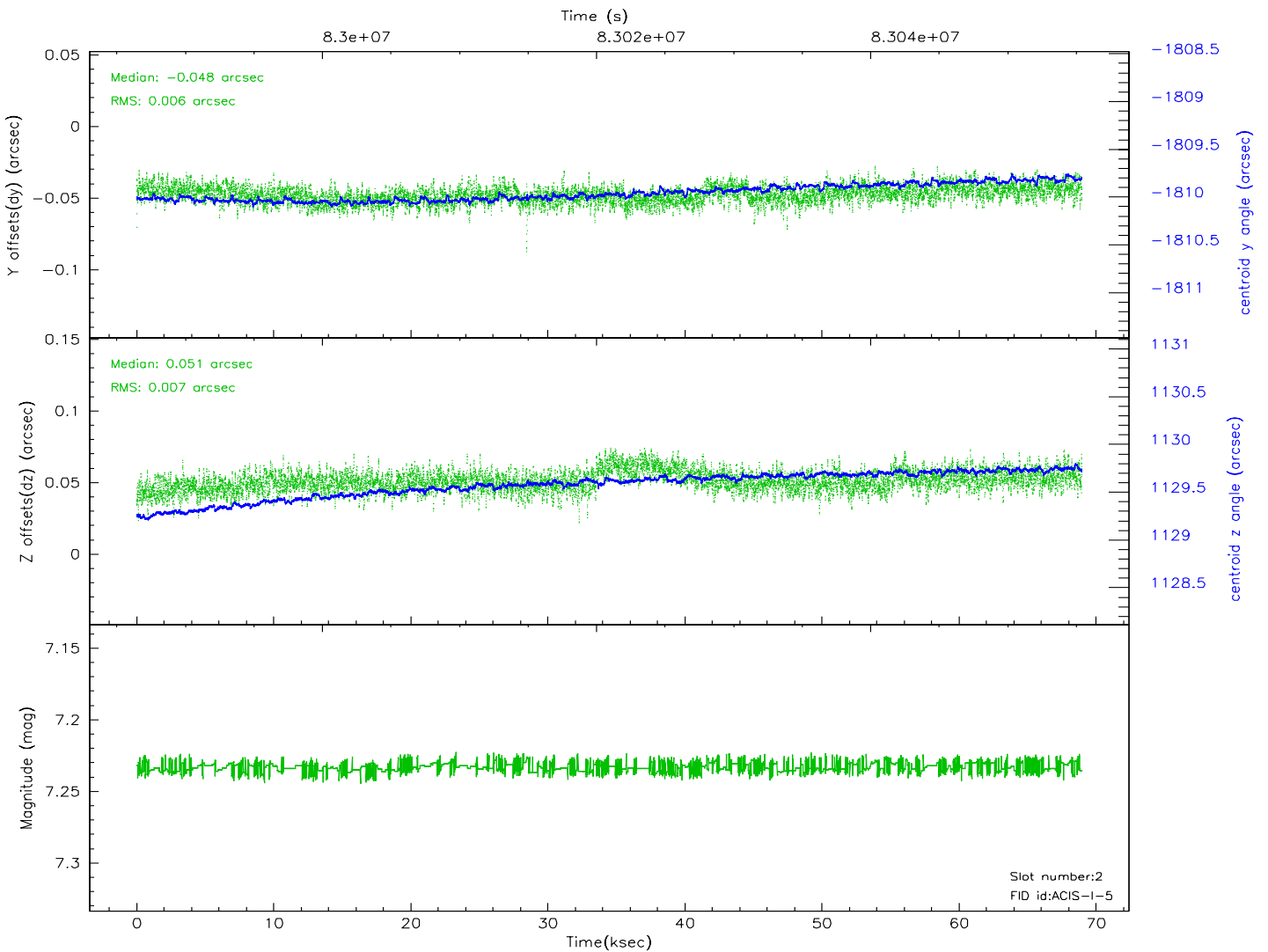
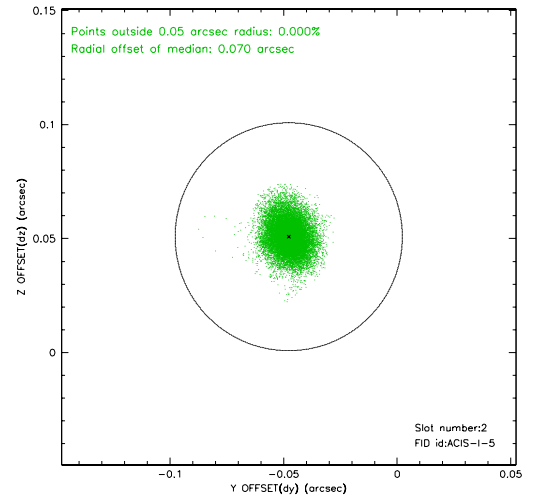
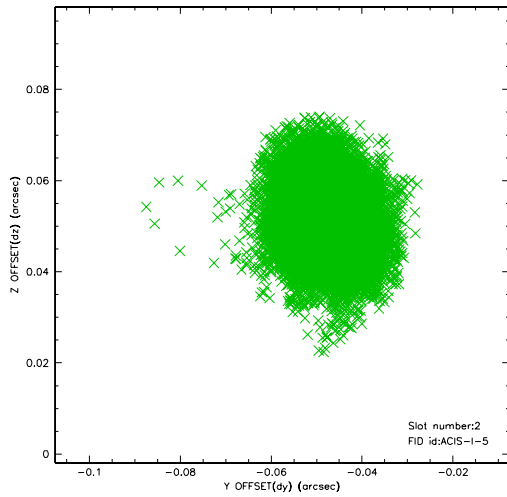
2.5.1 Slot 0



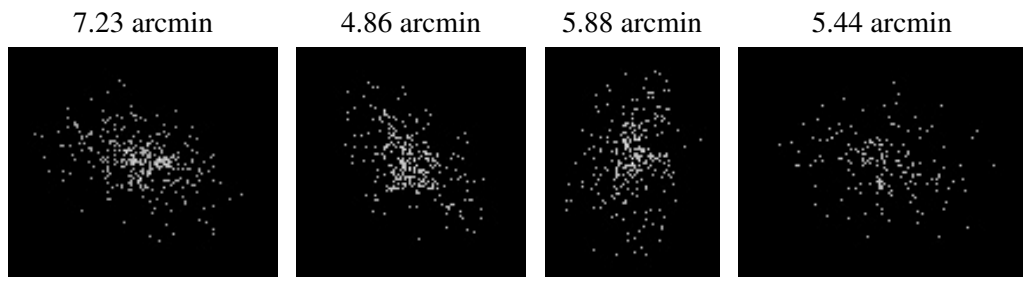
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	68.275

A.2 Comments