

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 99 - L2 Version 001
Chandra X-Ray Center

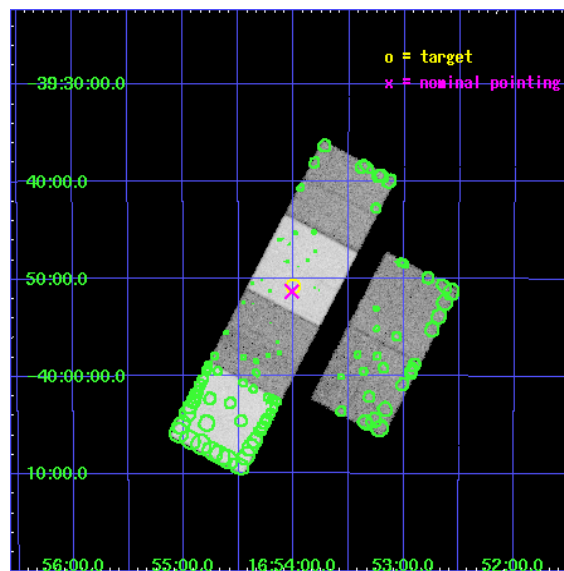
L2 Processing Date : May 27 2007

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1 Front

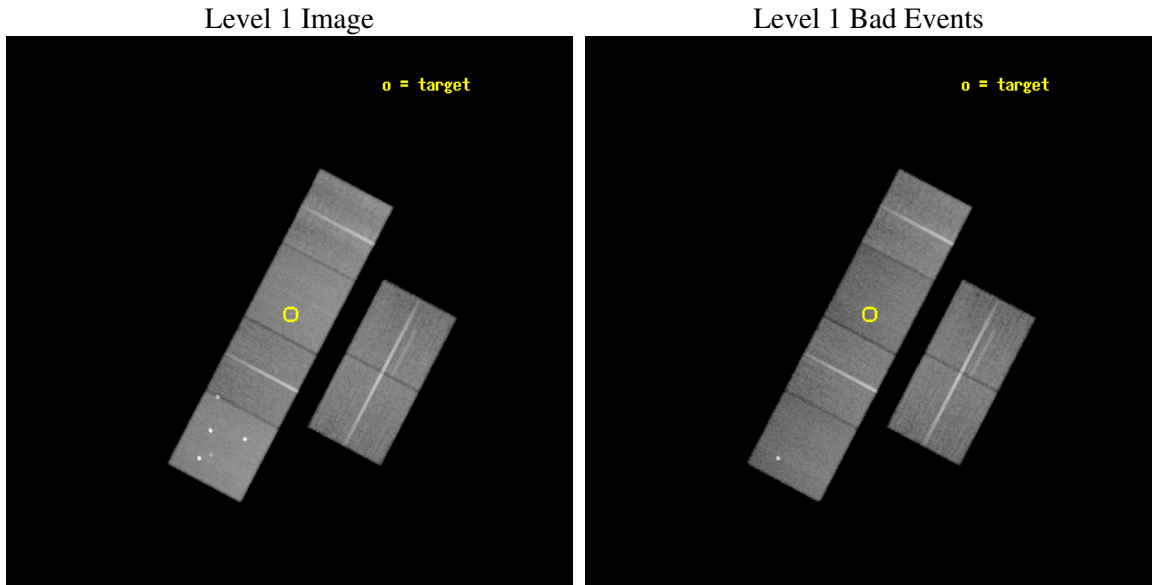
seq_num	400012
obs_id	99
title	BLACK HOLE EVENT HORIZONS
observer	Prof. Gordon Garmire
object	GRO J1655-40
dtcycle	0
cycle	P
ra_targ	253.500417
dec_targ	-39.845806
ra_nom	253.50423829571
dec_nom	-39.855308096188
roll_nom	297.66943909761
revision	3
ontime	43097.600040138
livetime	42551.87227817
ontime2	43097.600040138
ontime3	43091.118099675
ontime5	43097.600040138
ontime6	43097.600040138
ontime7	43097.600040138
ontime8	43097.600040138
l2events	424866



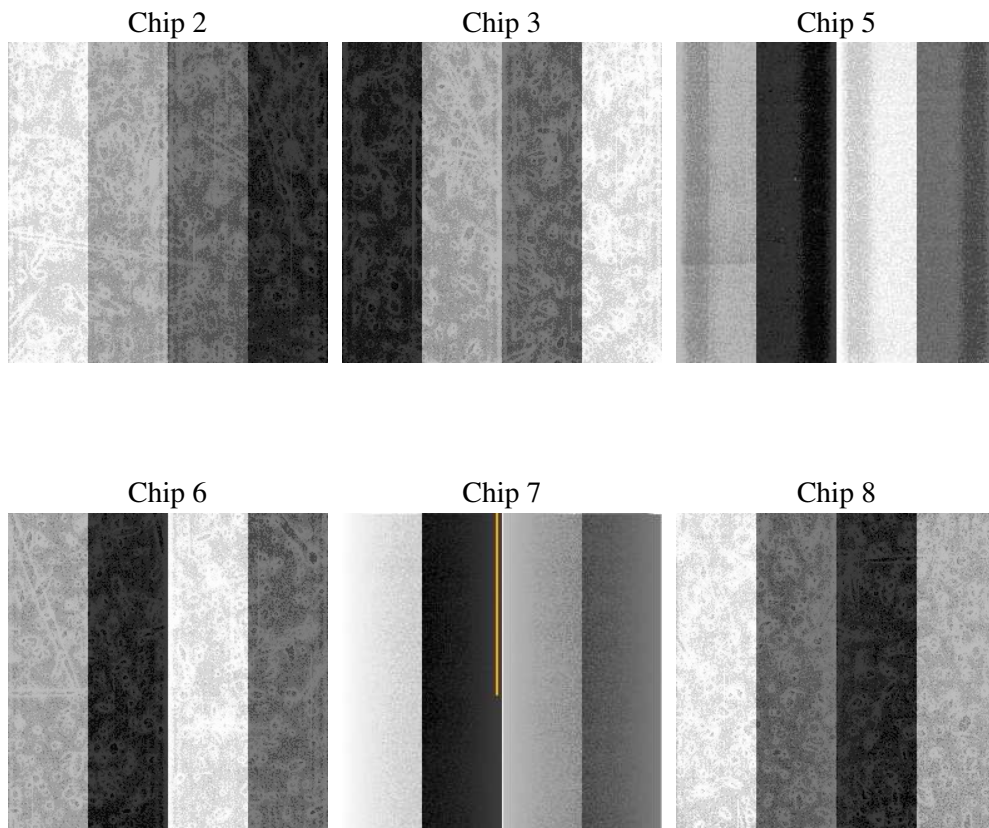
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-05-27T17:17:58
revision	3

sched_exp_time	43000.000000
ontime	43097.600040138
ontime2	43097.600040138
ontime3	43091.118099675
ontime5	43097.600040138
ontime6	43097.600040138
ontime7	43097.600040138
ontime8	43097.600040138
l1events	1990650

2.1.4 Events

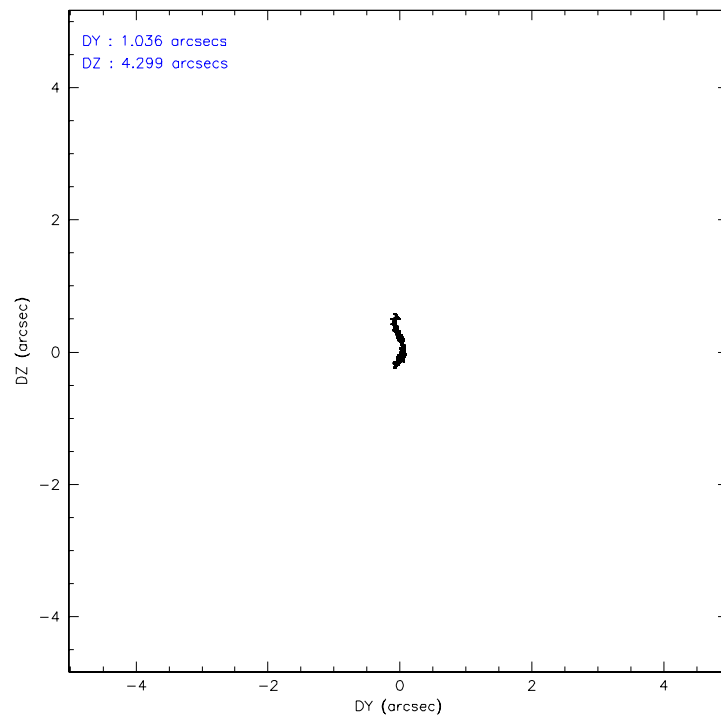
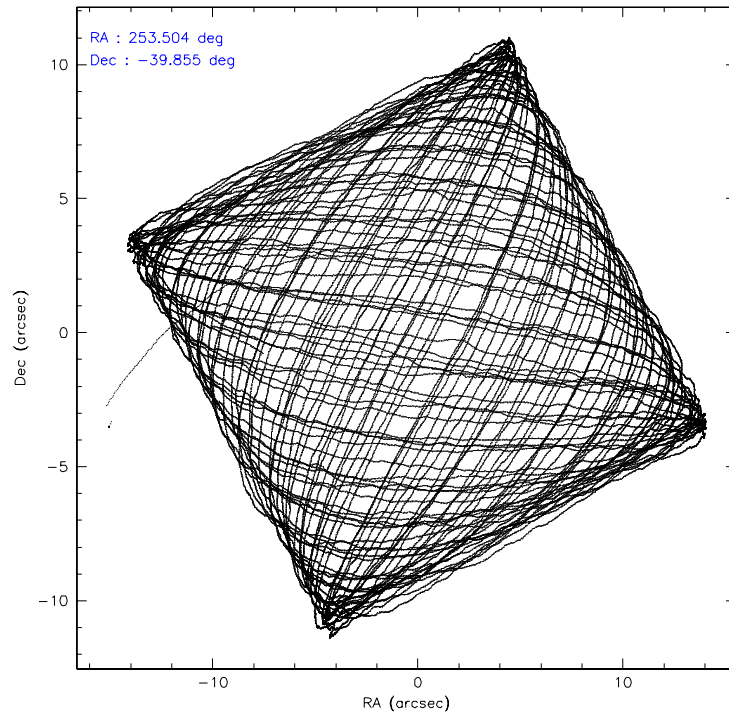
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	297451	285168	405522	295512	345451	361546
rejected events	265222	253539	208563	262263	197395	291214
rejected %	89%	88%	51%	88%	57%	80%

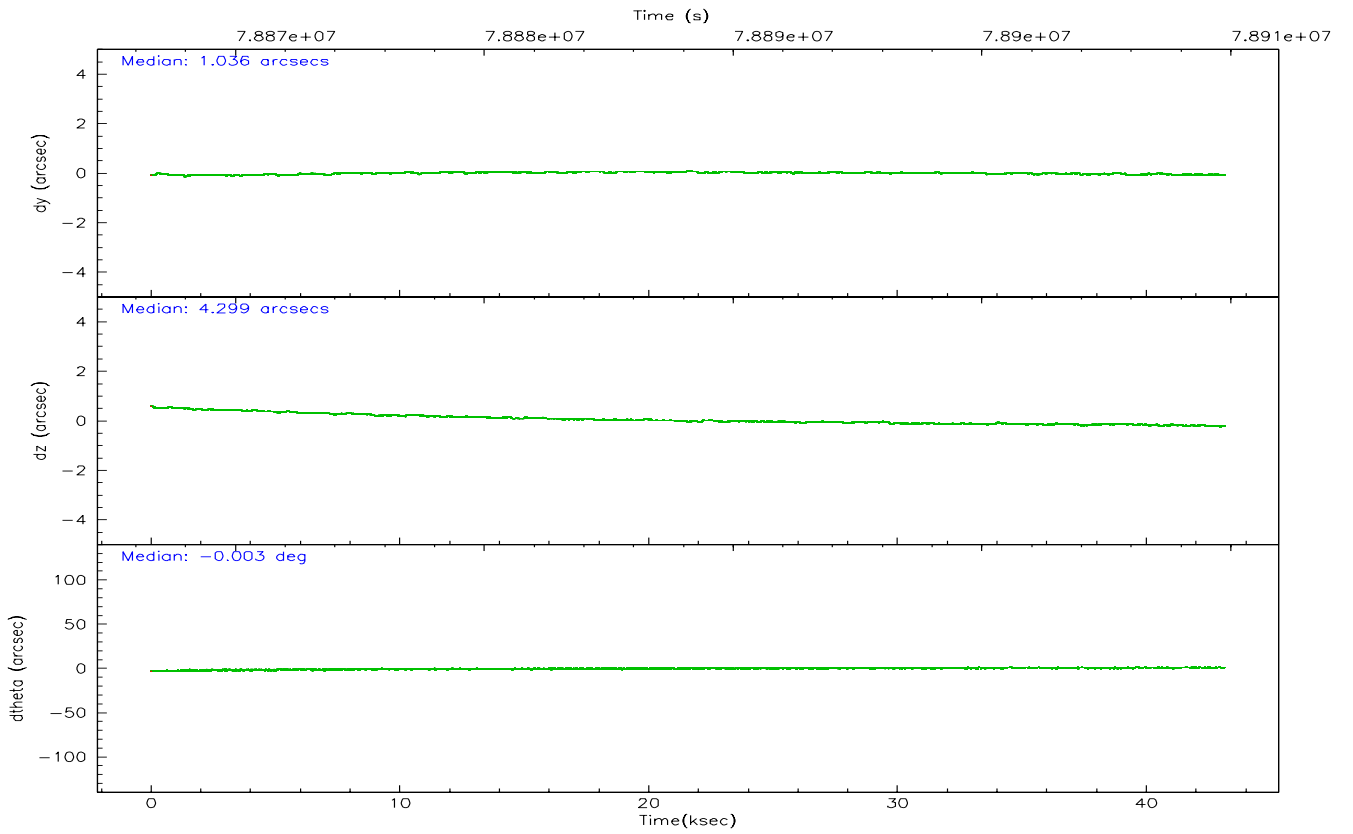
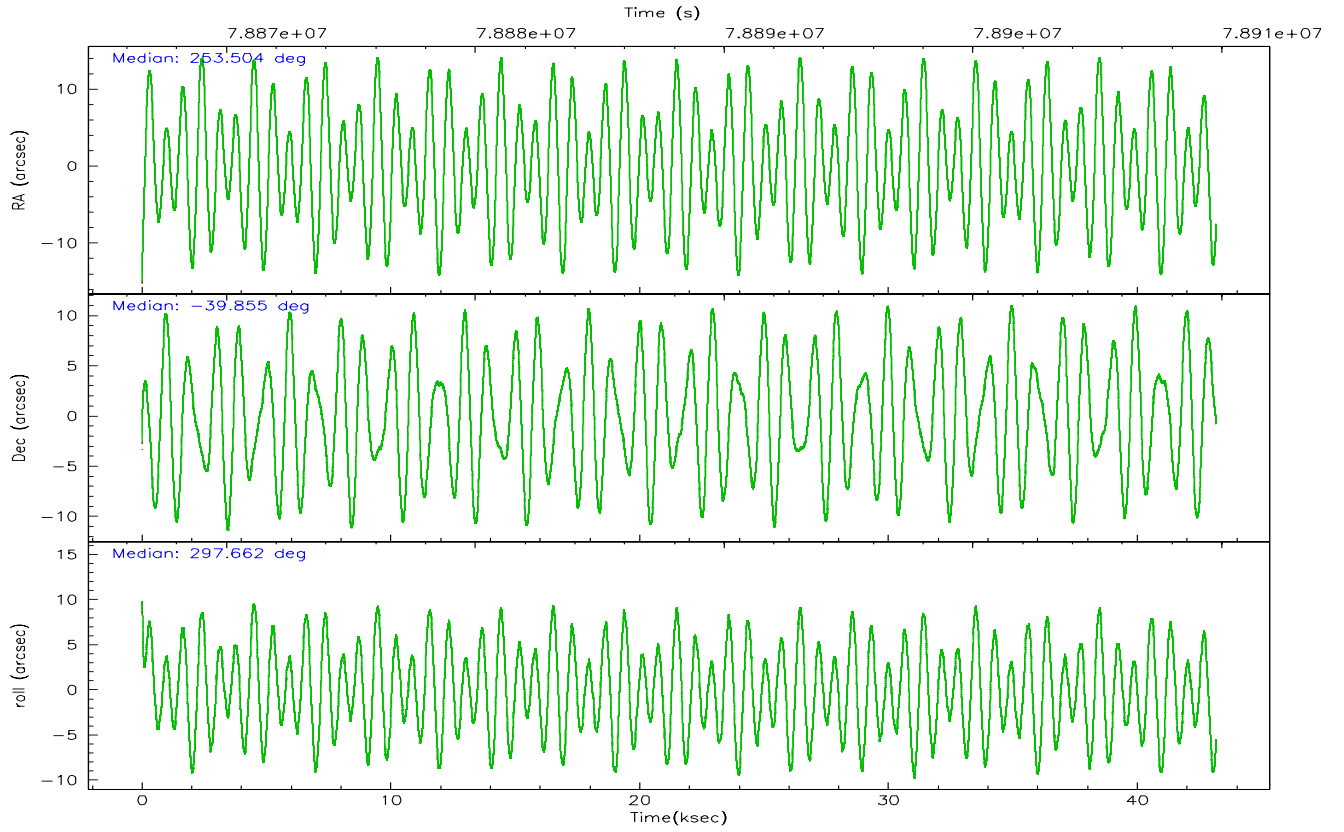
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	14385	14622	37772	14697	15154	22993
	4%	5%	9%	4%	4%	6%
grade 1 events	137	165	497	122	332	201
	0%	0%	0%	0%	0%	0%
grade 2 events	6566	5799	54436	6183	29456	14866
	2%	2%	13%	2%	8%	4%
grade 3 events	3165	3015	7932	3272	13980	7336
	1%	1%	1%	1%	4%	2%
grade 4 events	2964	3056	7521	3122	13485	6884
	0%	1%	1%	1%	3%	1%
grade 5 events	8838	9644	29244	10796	32569	13796
	2%	3%	7%	3%	9%	3%
grade 6 events	5151	5139	89313	5977	75990	18254
	1%	1%	22%	2%	21%	5%
grade 7 events	256245	243728	178807	251343	164485	277216
	86%	85%	44%	85%	47%	76%

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	253.473995	253.5042382957095	Subarray requested	NONE	NONE
Pointing Dec	-39.840766	-39.85530809618815	Alternating exposures requested	N	N
Pointing Roll	297.493431	297.6694390976068	Primary exposure time	3.200000	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	78866779.184000	78865744.867293			
Observation start date	2000-07-01T19:25:15	2000-07-01T19:09:04			
Observation end time	78909779.184000	78910890.993957			
Observation end date	2000-07-02T07:21:55	2000-07-02T07:41:30			
Read mode	TIMED	TIMED			

2.3 Aspect



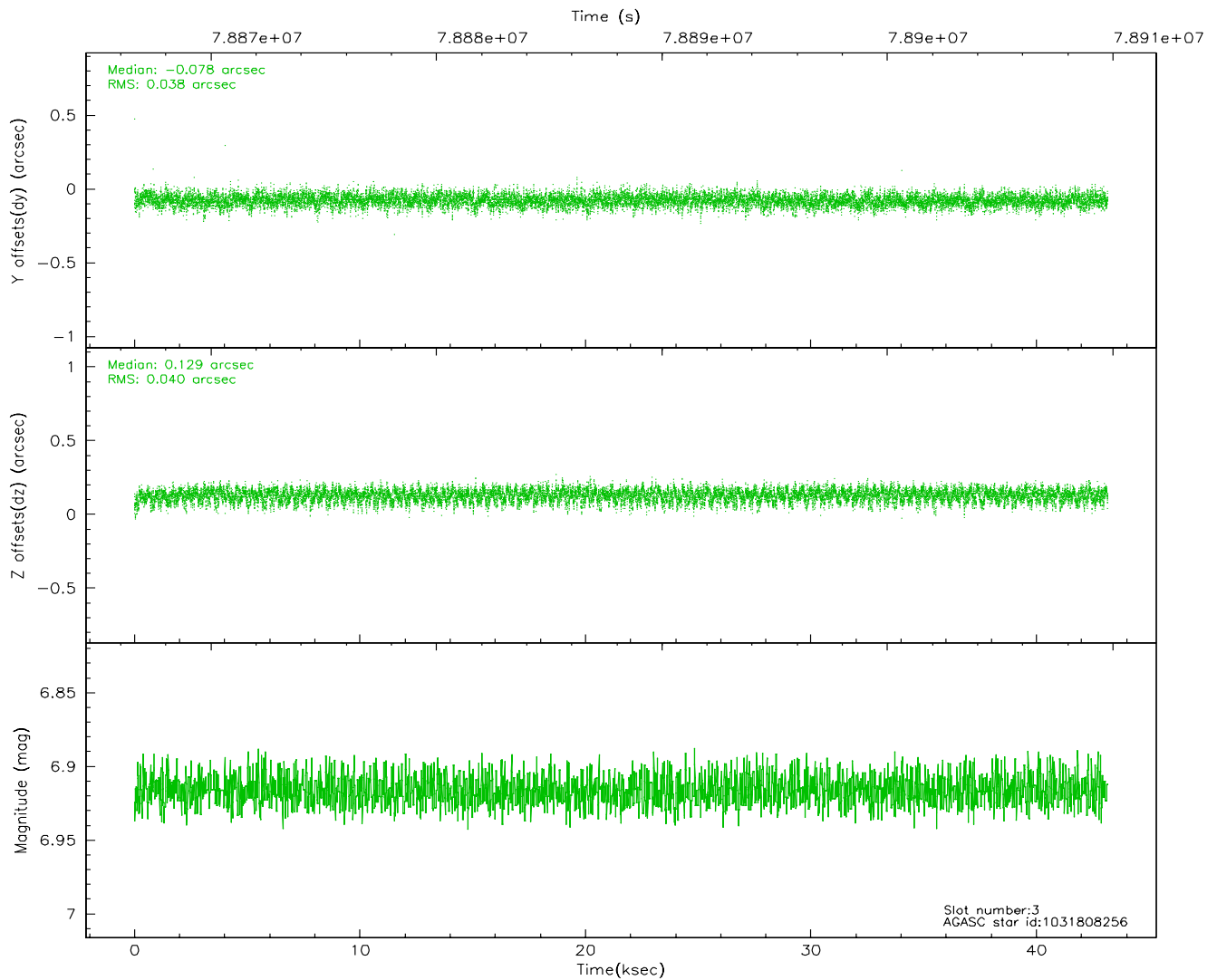
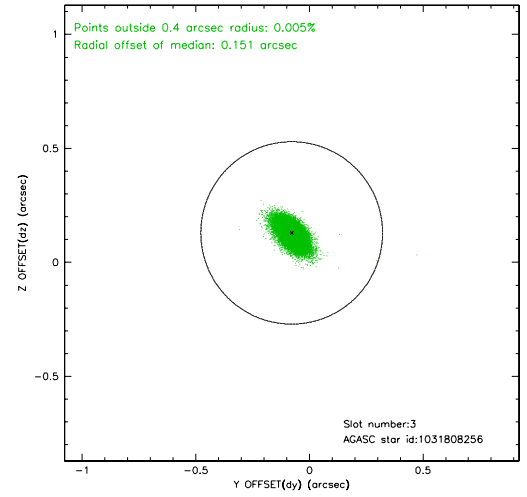
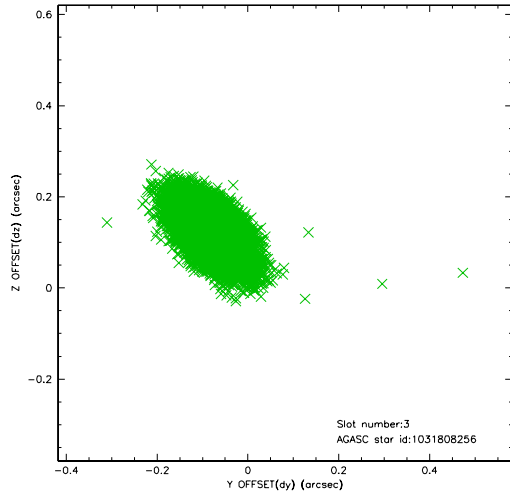


Slot Statistics

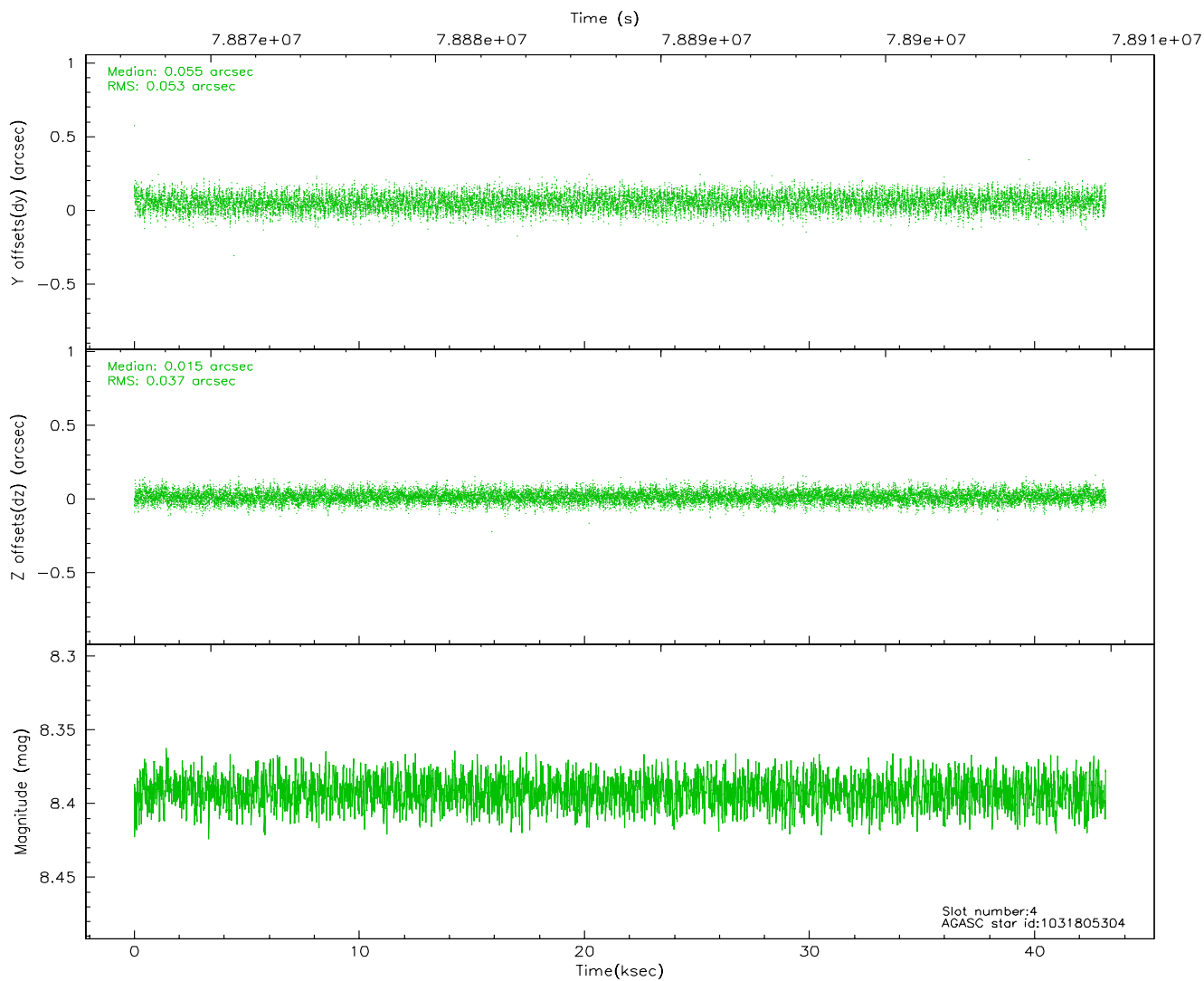
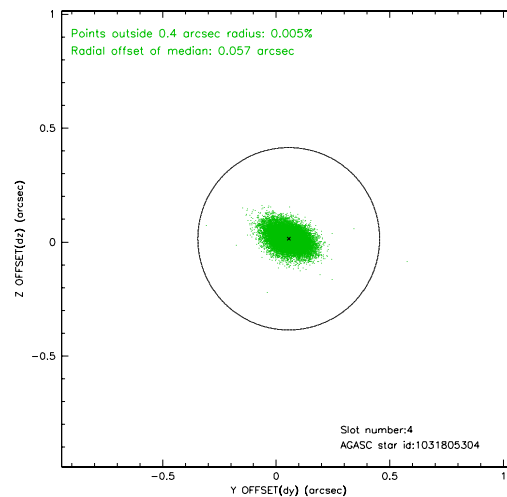
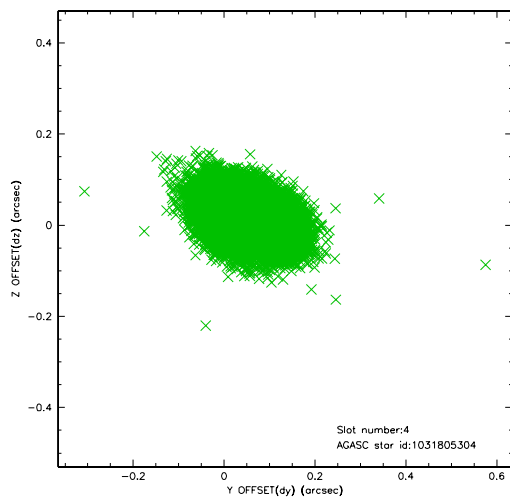
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	10530	-0.011	0.015	0.008	0.016	0.000000	0.000000	-753.65	-1725.43
1	FID	ACIS-S-4	7.21	10529	-0.049	0.002	0.005	0.015	0.000000	0.000000	2159.61	183.01
2	FID	ACIS-S-5	7.23	10528	0.029	-0.008	0.008	0.014	0.000000	0.000000	-1806.43	176.71
3	GUIDE	1031808256	6.92	21058	-0.078	0.129	0.056	0.099	253.549379	-40.452817	2049.88	-832.68
4	GUIDE	1031805304	8.39	21056	0.055	0.015	0.068	0.114	254.276305	-39.974862	1458.69	1737.14
5	GUIDE	1031804728	8.74	21052	0.038	-0.032	0.083	0.136	254.103364	-39.579793	-22.04	1981.01
6	GUIDE	1031807512	8.24	21059	-0.052	-0.024	0.064	0.104	252.886468	-39.697545	-1203.95	-1207.12
7	GUIDE	1031280504	9.45	21055	0.042	-0.086	0.124	0.196	254.101226	-39.301331	-911.05	2444.45

2.4 Star Slots

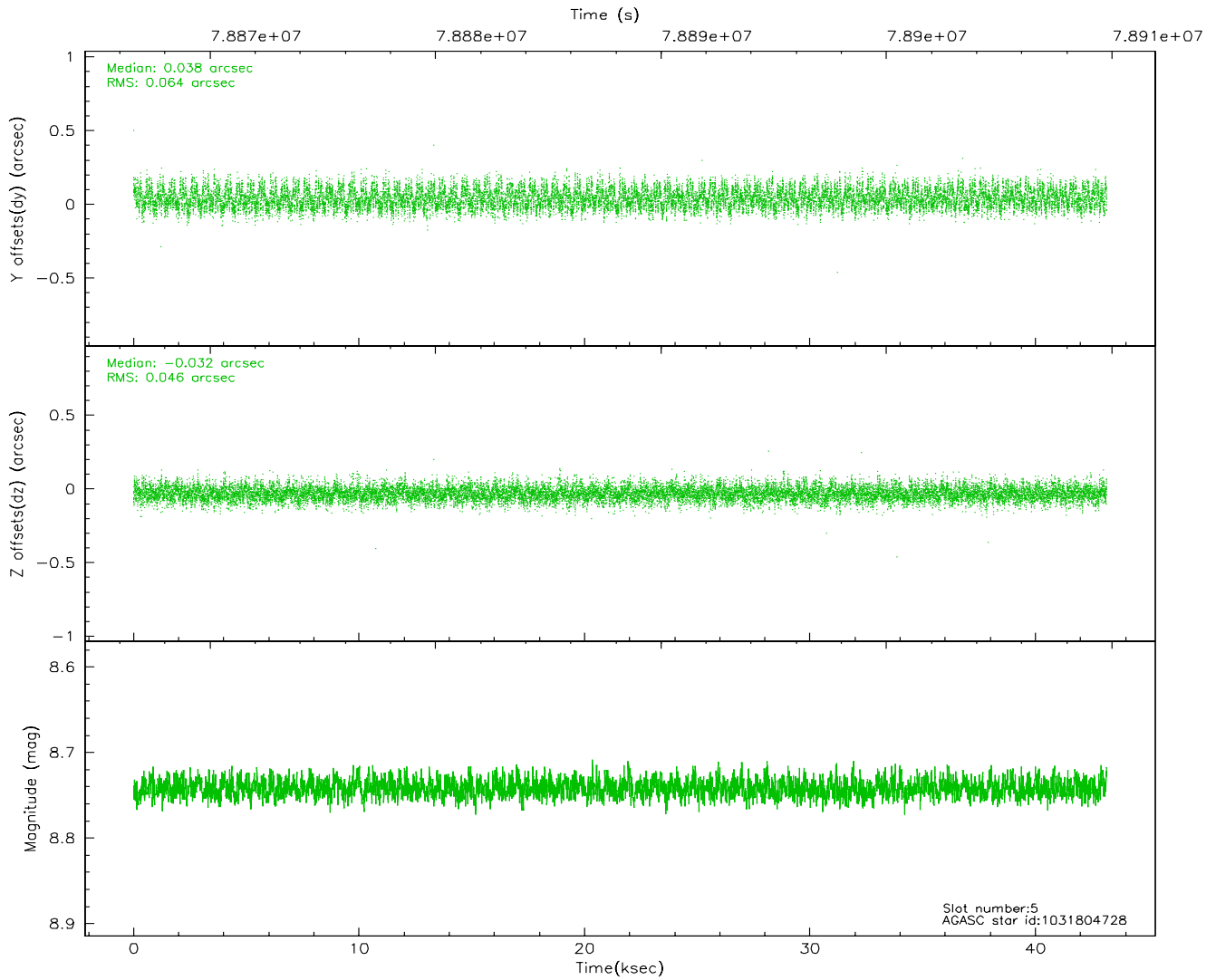
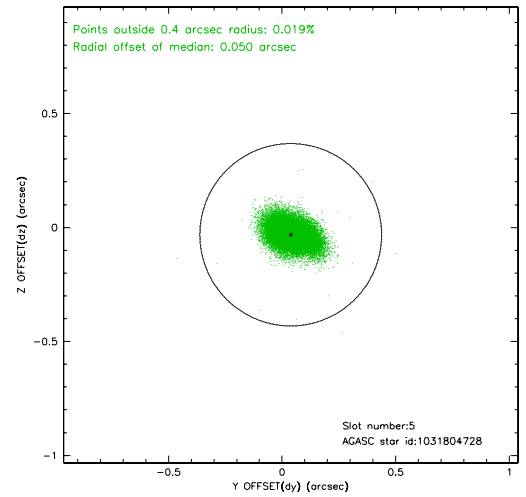
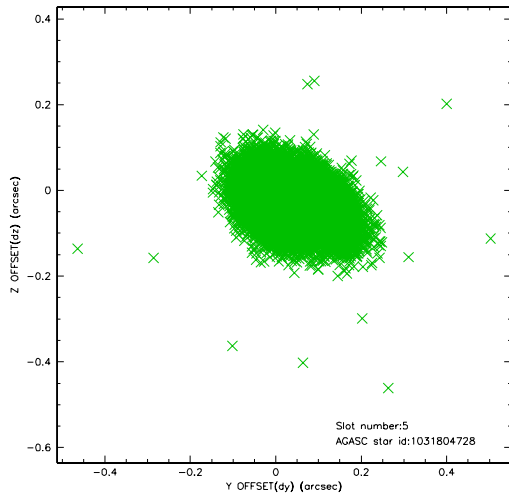
2.4.1 Slot 3



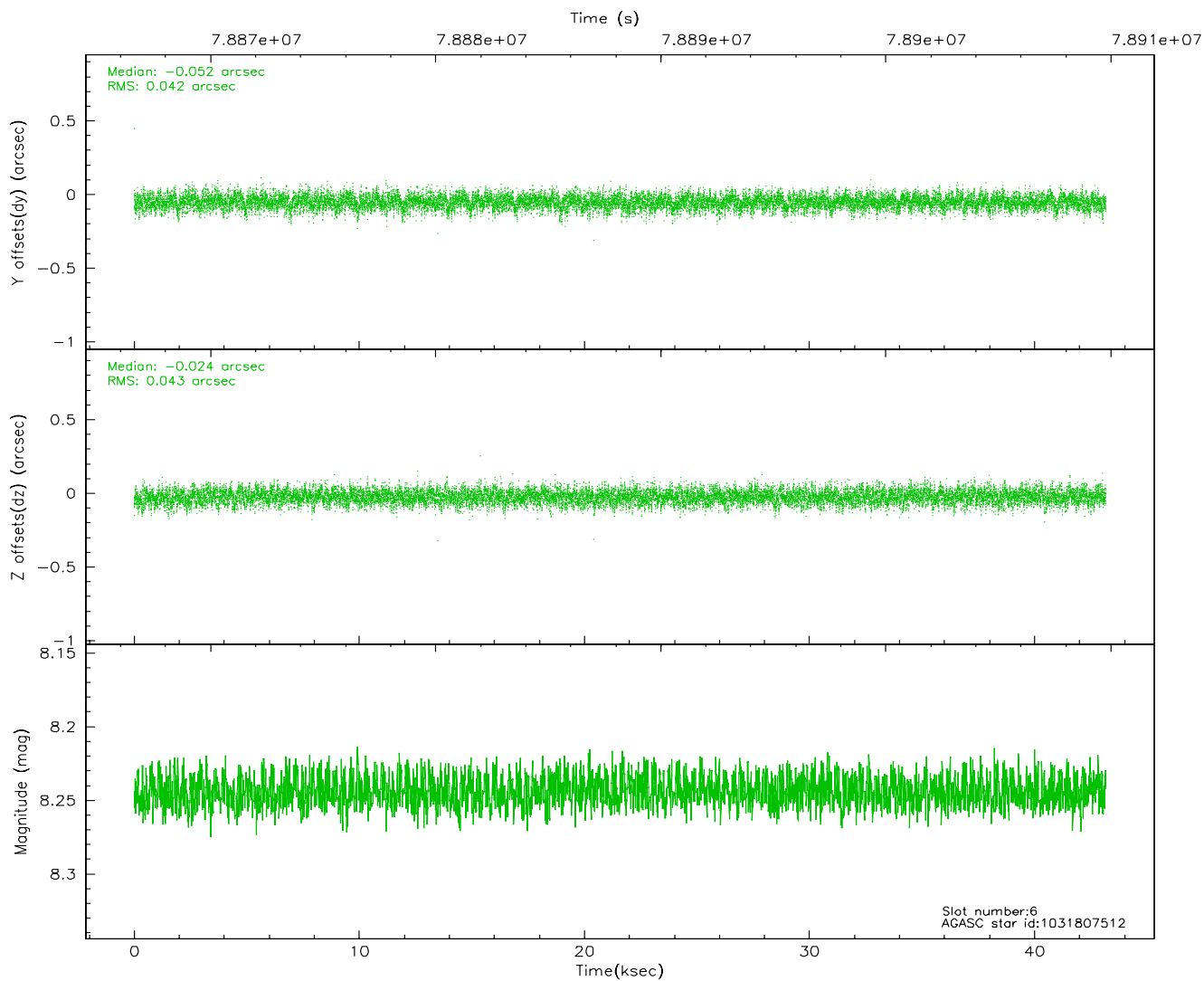
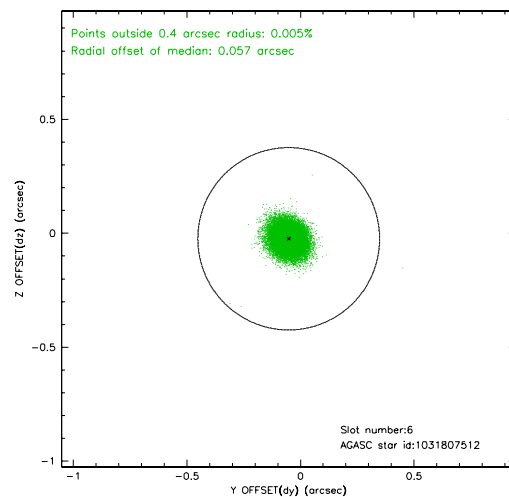
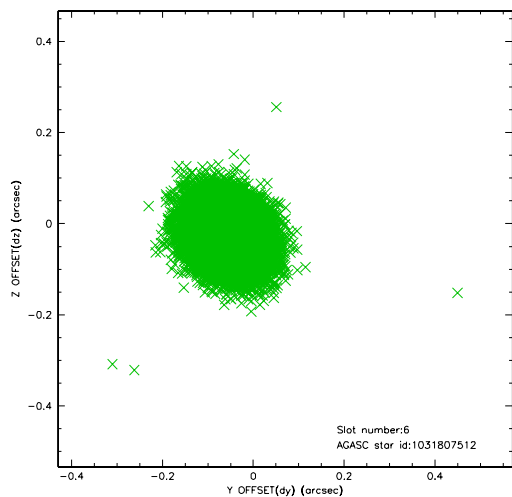
2.4.2 Slot 4



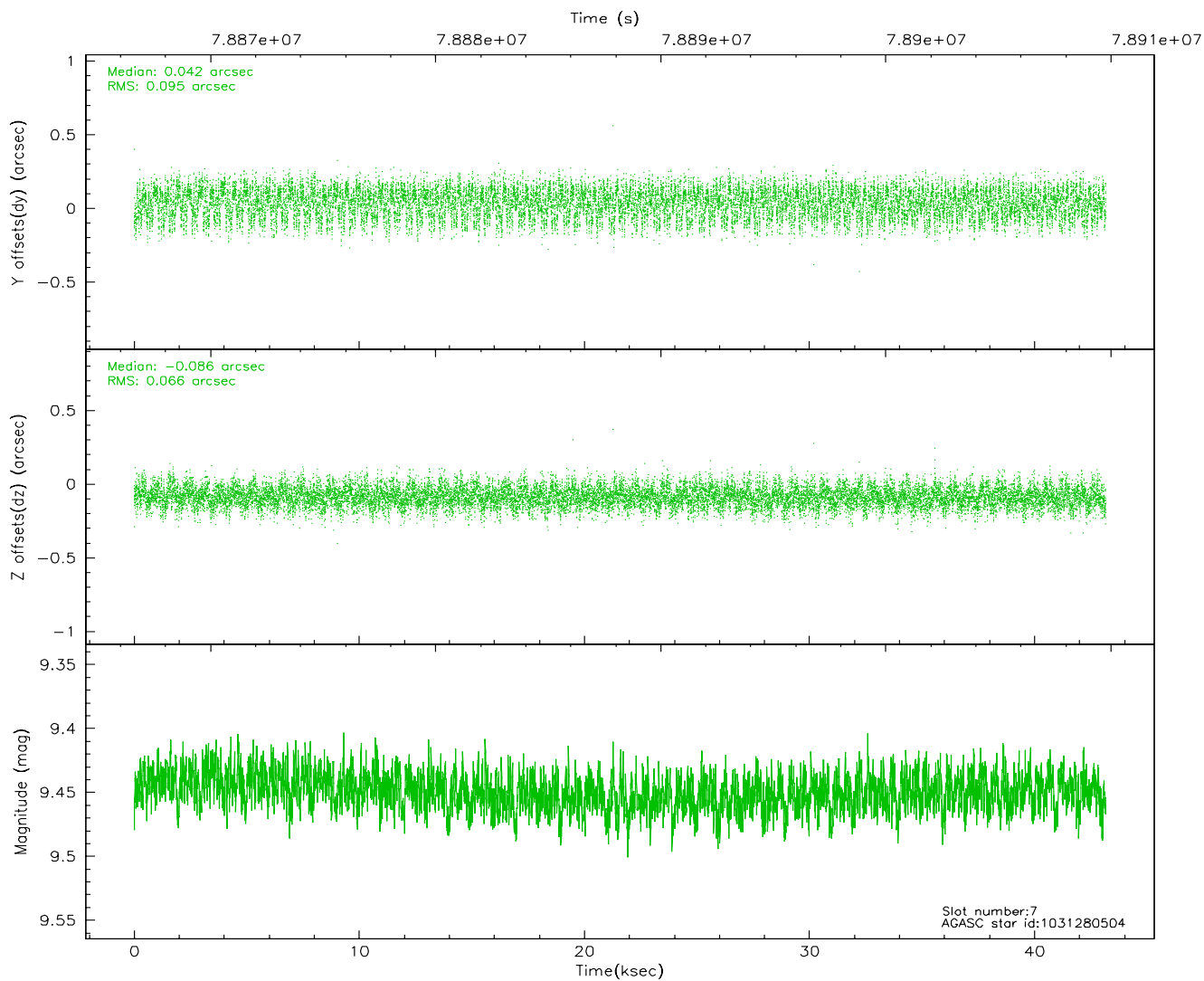
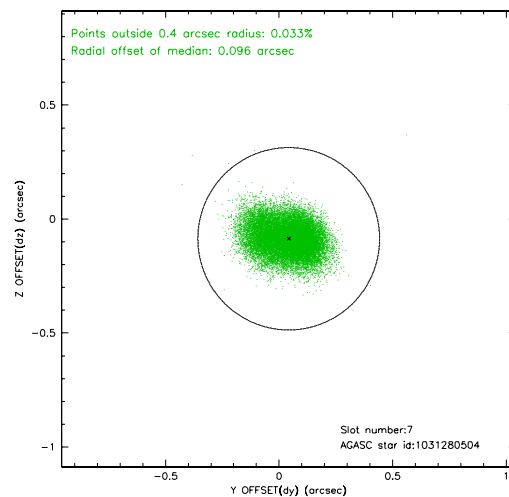
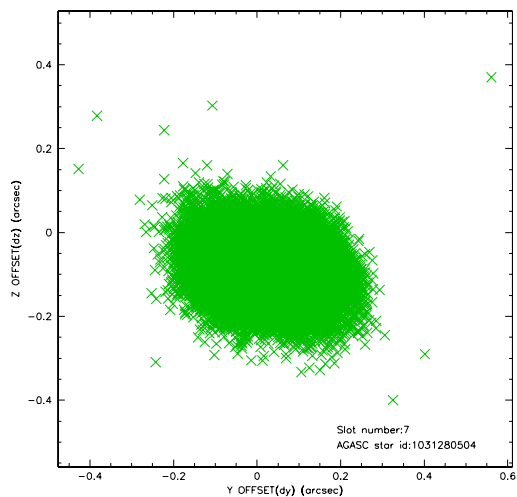
2.4.3 Slot 5



2.4.4 Slot 6

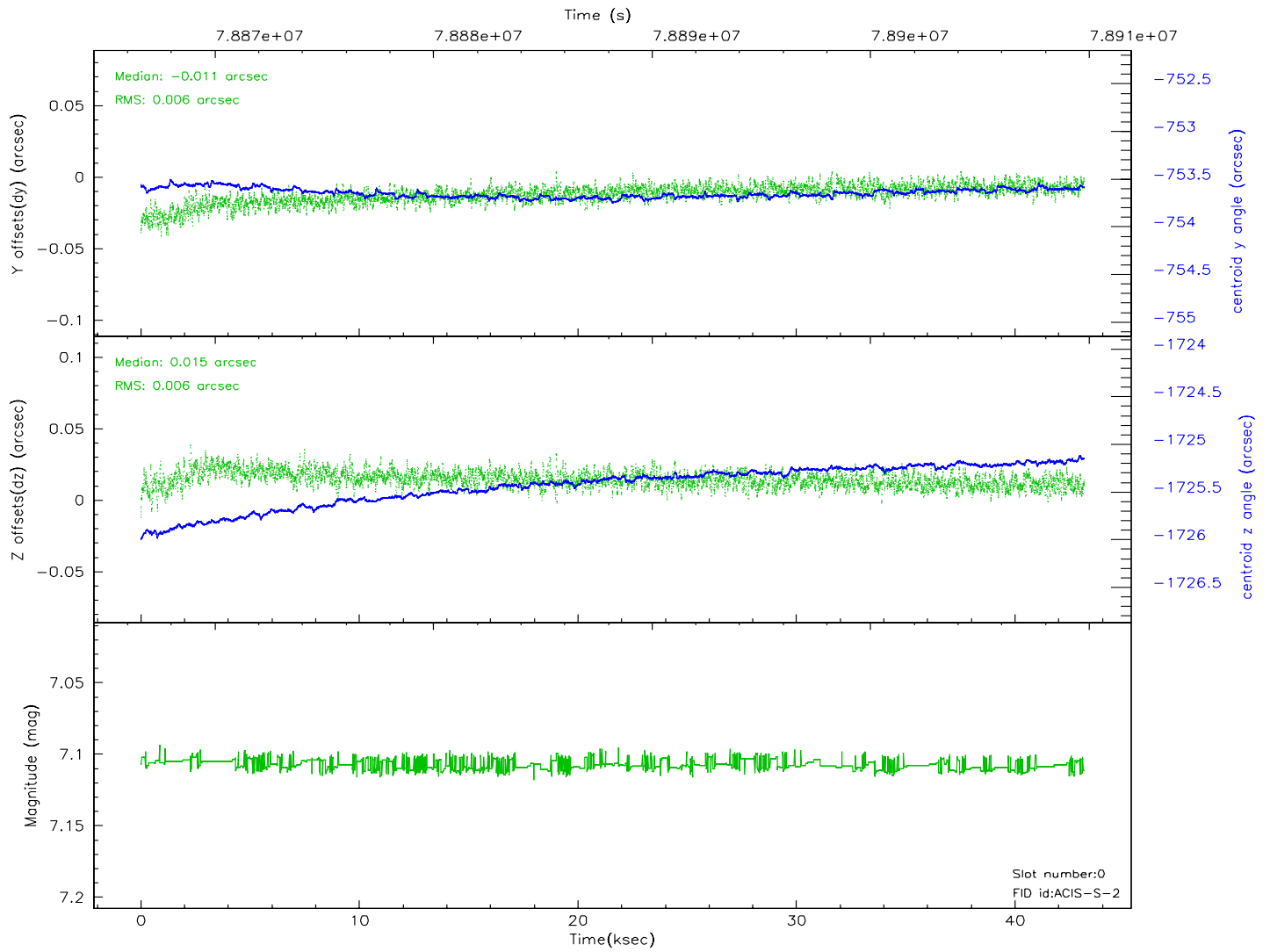
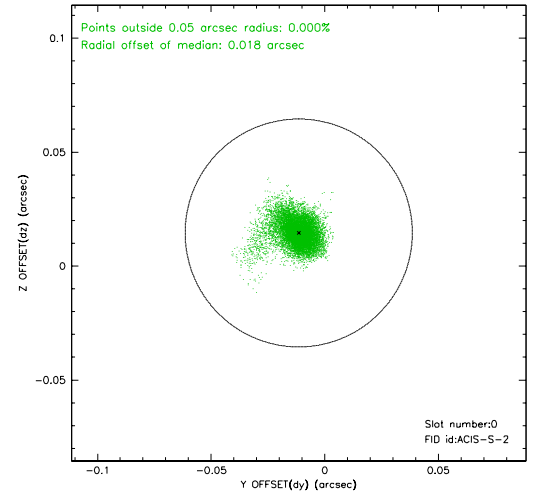
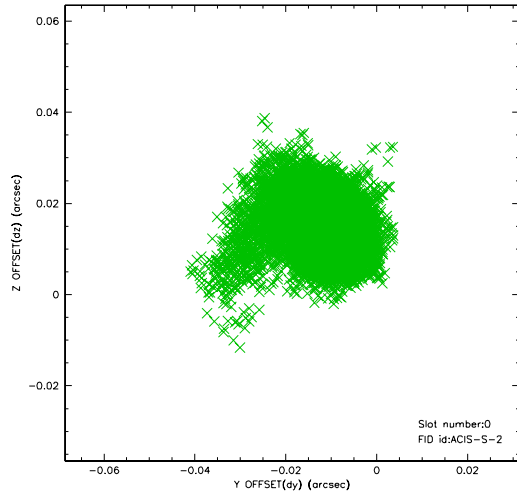


2.4.5 Slot 7

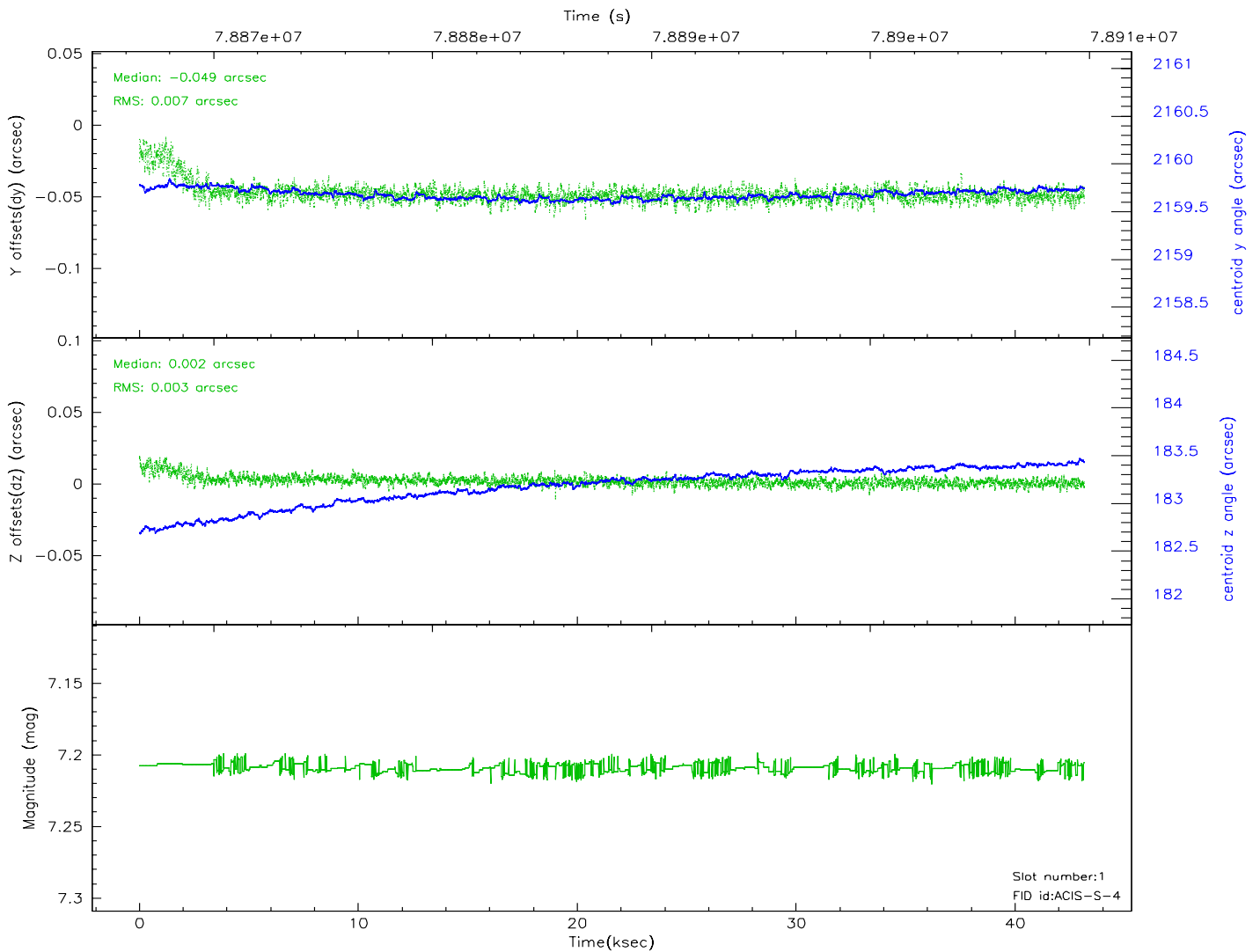
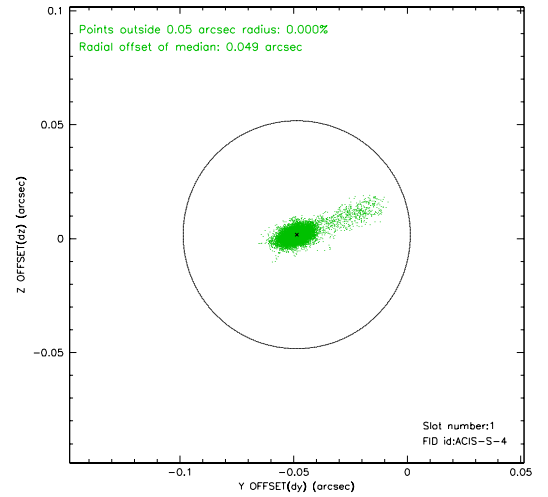
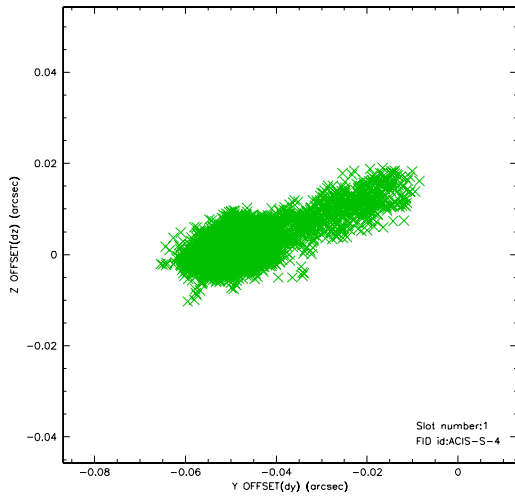


2.5 FID Slots

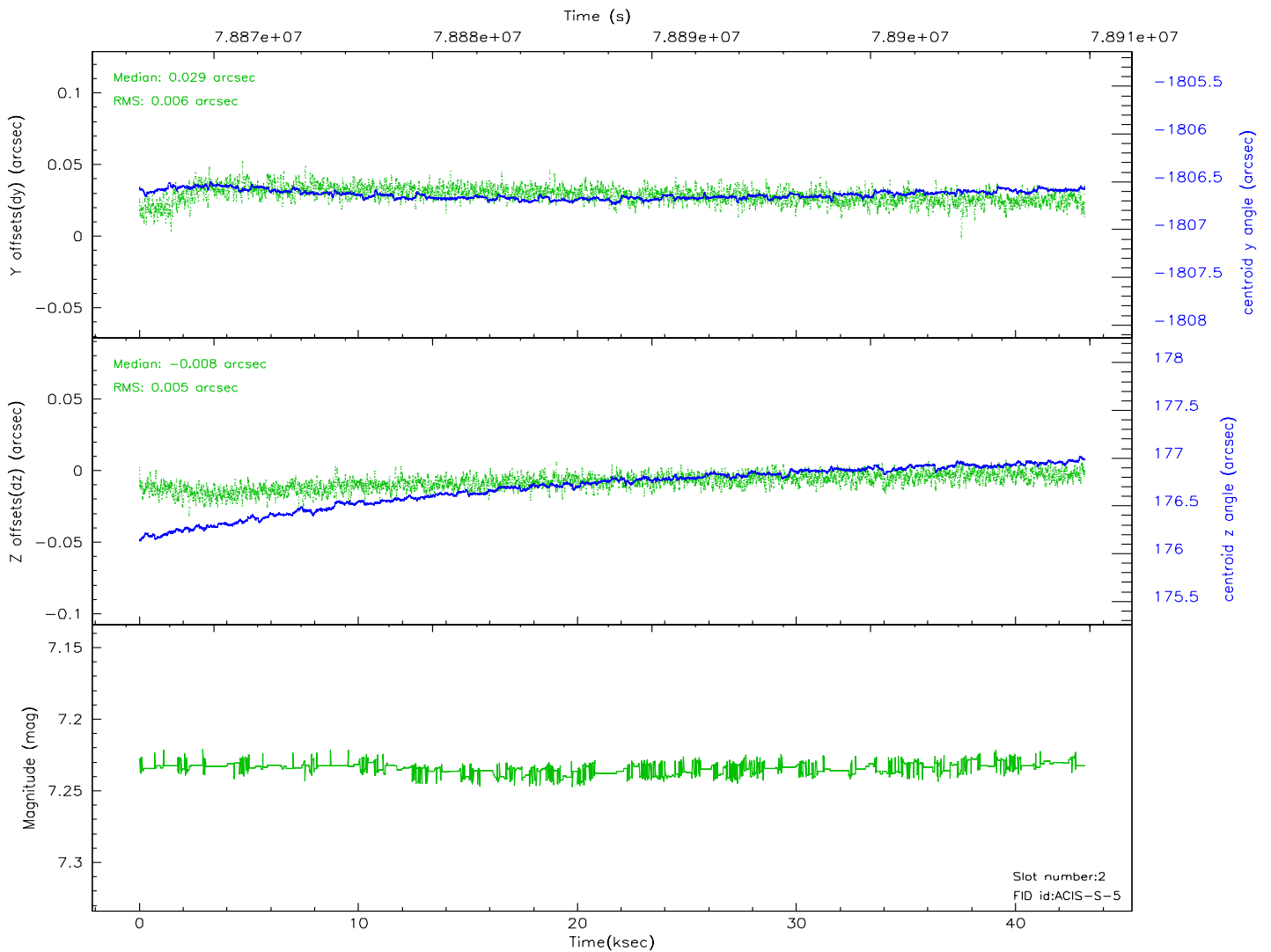
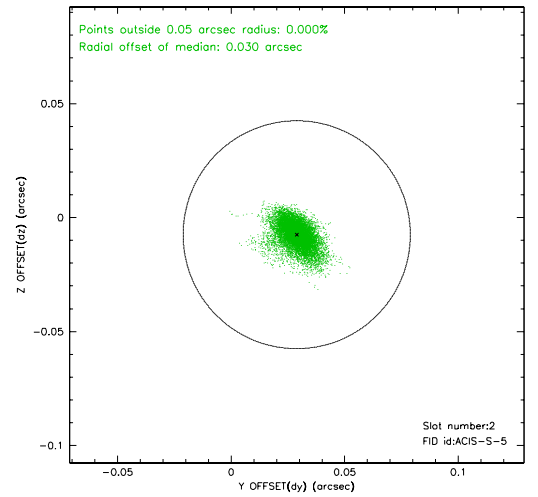
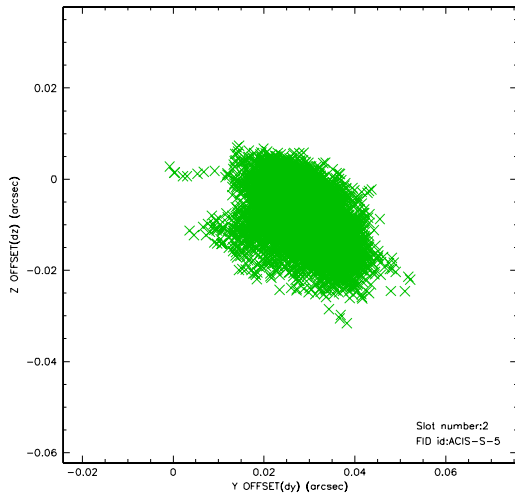
2.5.1 Slot 0



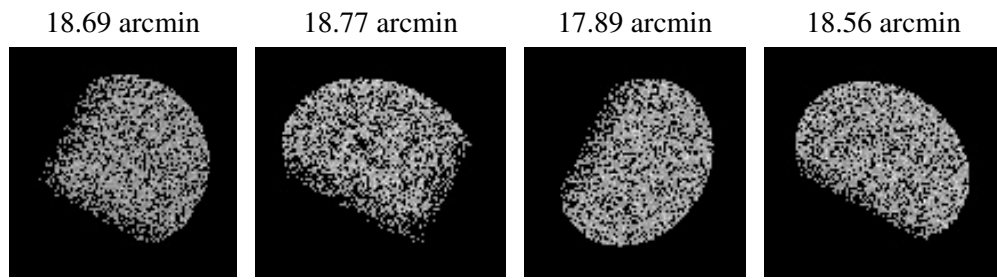
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.05.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.097

A.2 Comments