

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 115 - L2 Version 001
Chandra X-Ray Center

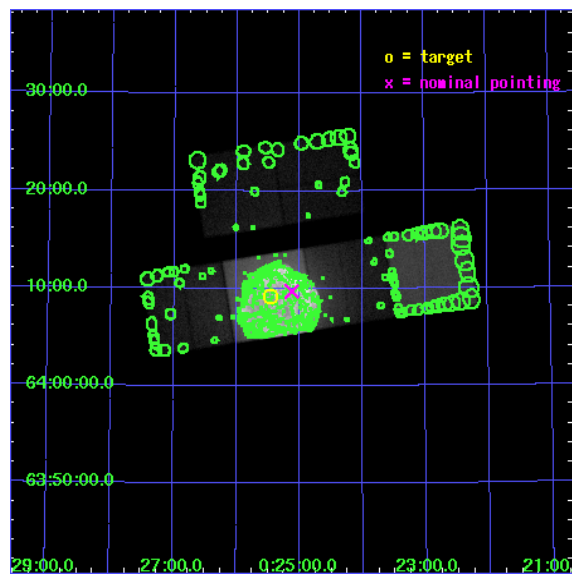
L2 Processing Date : Jun 8 2007

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1 Front

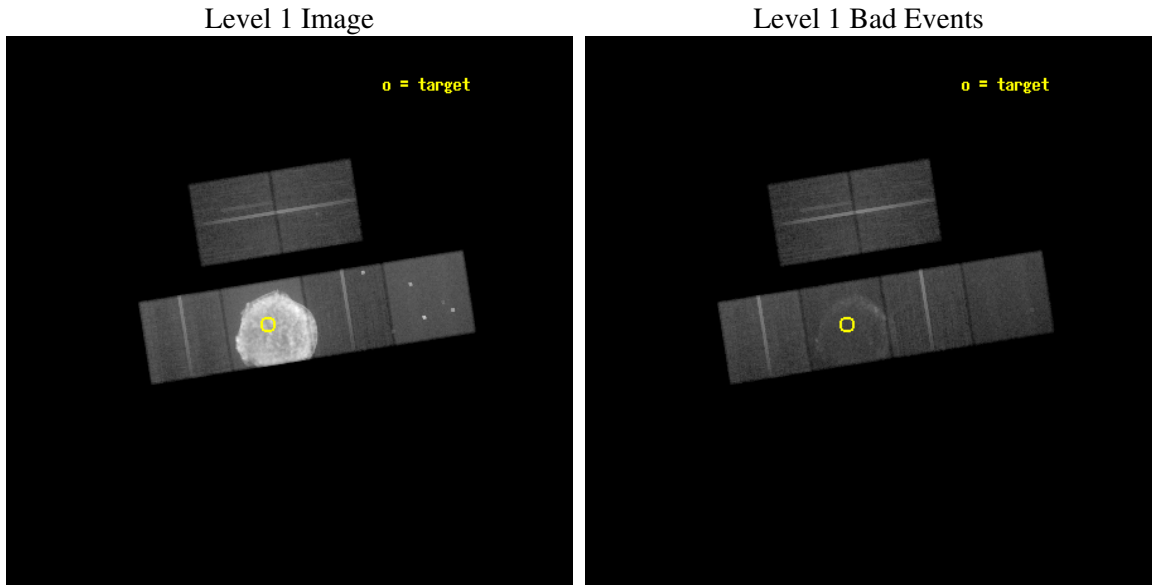
seq_num	500002
obs_id	115
title	ACIS OBSERVATIONS OF TYCHO AND KEPLER
observer	DR STEPHEN HOLT
object	TYCHO SNR
dtcycle	0
cycle	P
ra_targ	6.365
dec_targ	64.154083
ra_nom	6.2805805699483
dec_nom	64.161847042393
roll_nom	170.97492509816
revision	2
ontime	49539.200046137
livetime	48911.904866228
ontime2	49539.200046137
ontime3	49539.200046137
ontime5	49539.200046137
ontime6	49539.200046137
ontime7	49539.200046137
ontime8	49539.200046137
l2events	5946674



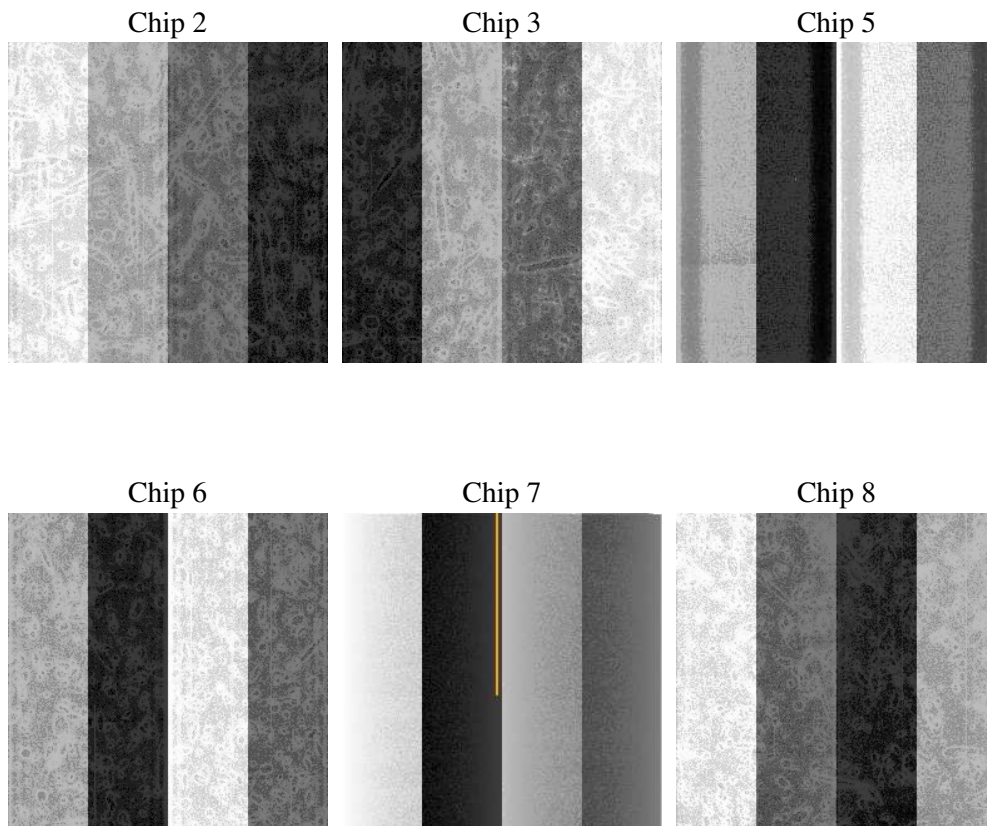
2 OBI

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	2007-06-08T10:42:20
revision	2

sched_exp_time	49591.410000
ontime	49539.200046137
ontime2	49539.200046137
ontime3	49539.200046137
ontime5	49539.200046137
ontime6	49539.200046137
ontime7	49539.200046137
ontime8	49539.200046137
l1events	7591245

2.1.4 Events

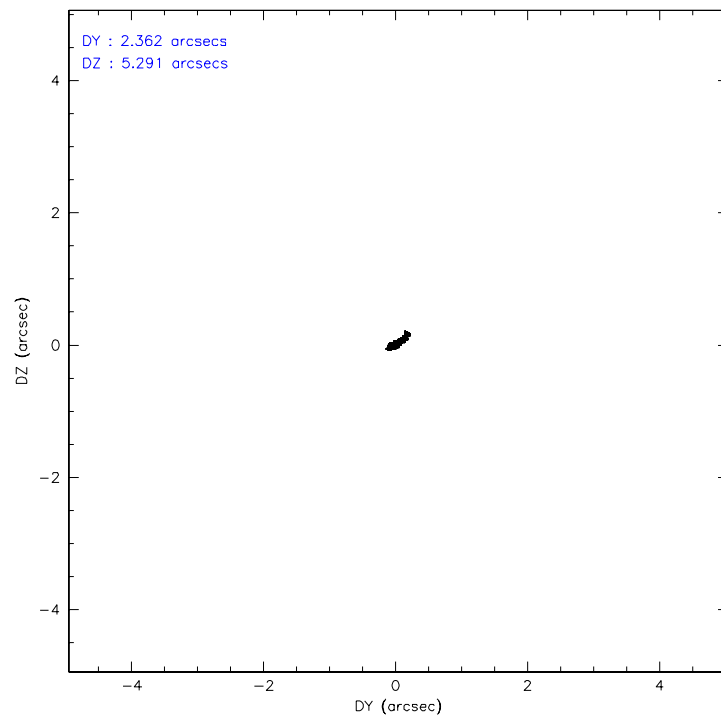
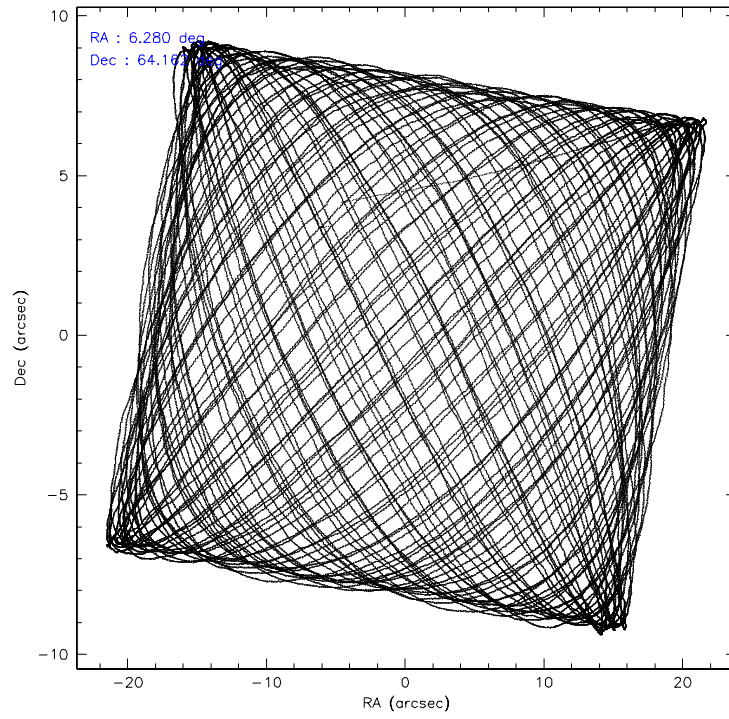
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	294367	278748	426966	555317	5649489	386358
rejected events	255853	238045	205739	255005	250266	286044
rejected %	86%	85%	48%	45%	4%	74%

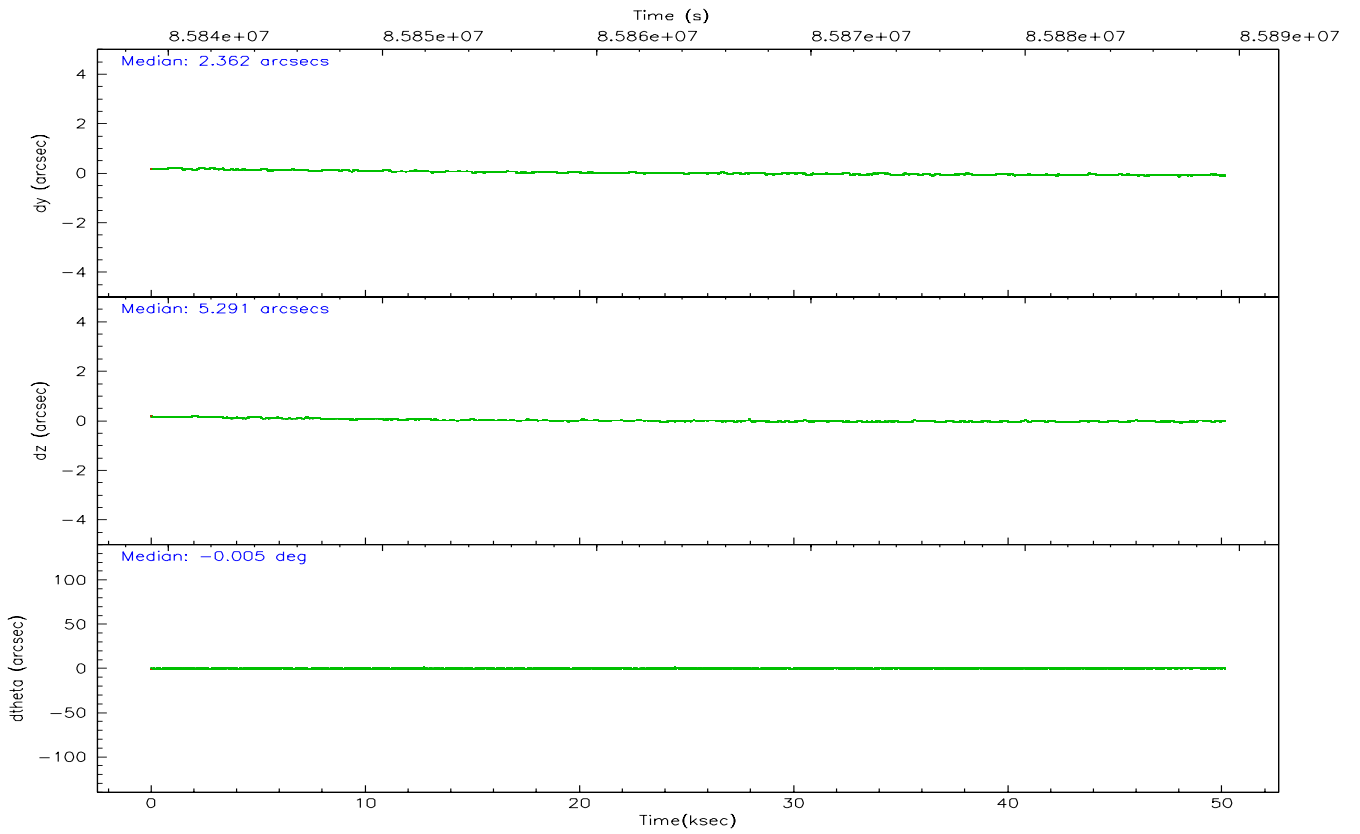
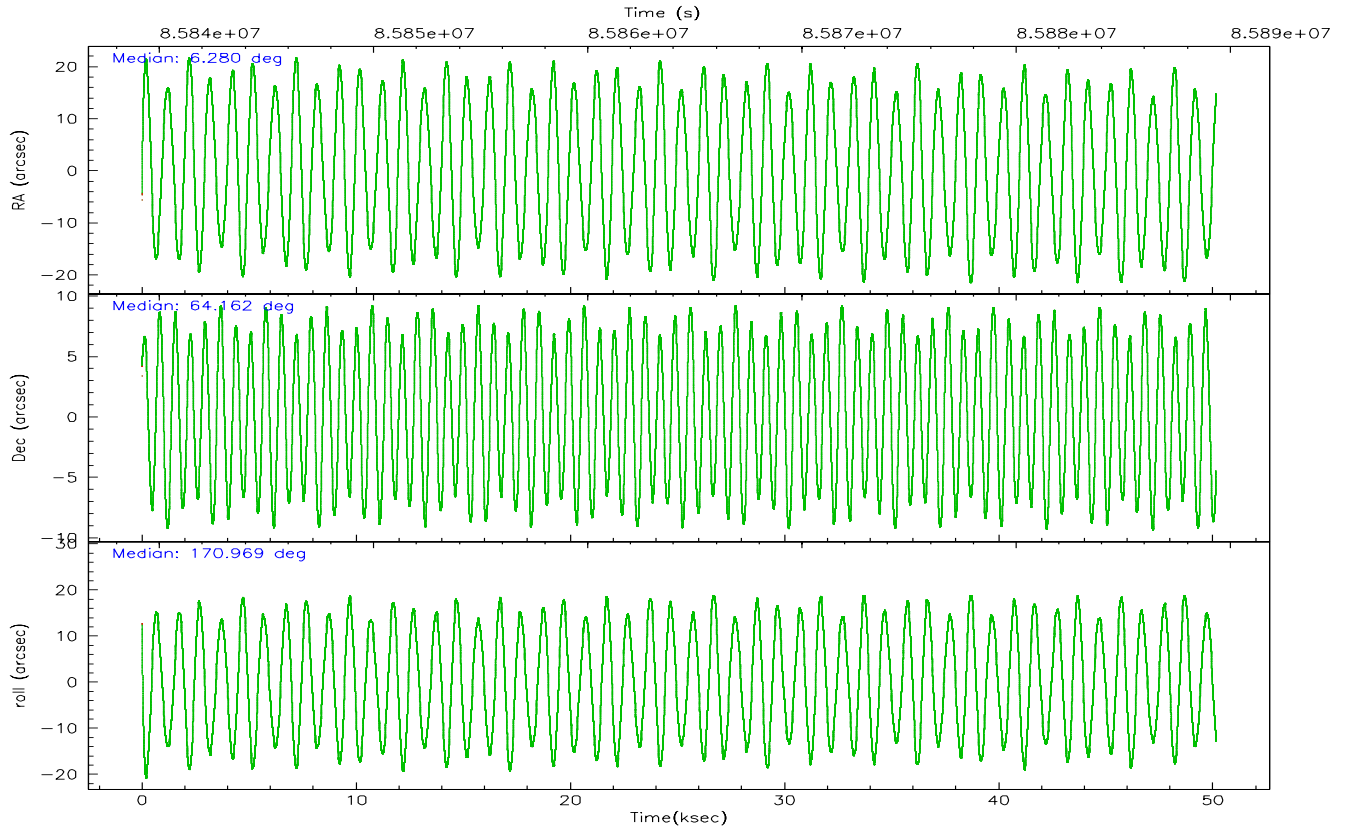
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	19622	21981	45450	238799	1384444	47825
	6%	7%	10%	43%	24%	12%
grade 1 events	161	161	709	1096	4084	274
	0%	0%	0%	0%	0%	0%
grade 2 events	7245	6897	58642	30501	1440973	17346
	2%	2%	13%	5%	25%	4%
grade 3 events	3162	3145	9985	10163	650024	8806
	1%	1%	2%	1%	11%	2%
grade 4 events	2983	3192	9662	10201	638443	7957
	1%	1%	2%	1%	11%	2%
grade 5 events	9304	9918	29134	11887	69434	14763
	3%	3%	6%	2%	1%	3%
grade 6 events	5507	5490	97504	10676	1285681	18383
	1%	1%	22%	1%	22%	4%
grade 7 events	246383	227964	175880	241994	176406	271004
	83%	81%	41%	43%	3%	70%

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	6.339076	6.280580569948258	Subarray requested	NONE	NONE
Pointing Dec	64.171792	64.16184704239295	Alternating exposures requested	N	N
Pointing Roll	170.765656	170.974925098155	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	85839748.184000	85838600.77741			
Observation start date	2000-09-20T12:21:24	2000-09-20T12:03:20			
Observation end time	85889339.184000	85889654.491831			
Observation end date	2000-09-21T02:07:55	2000-09-21T02:14:14			
Read mode	TIMED	TIMED			

2.3 Aspect



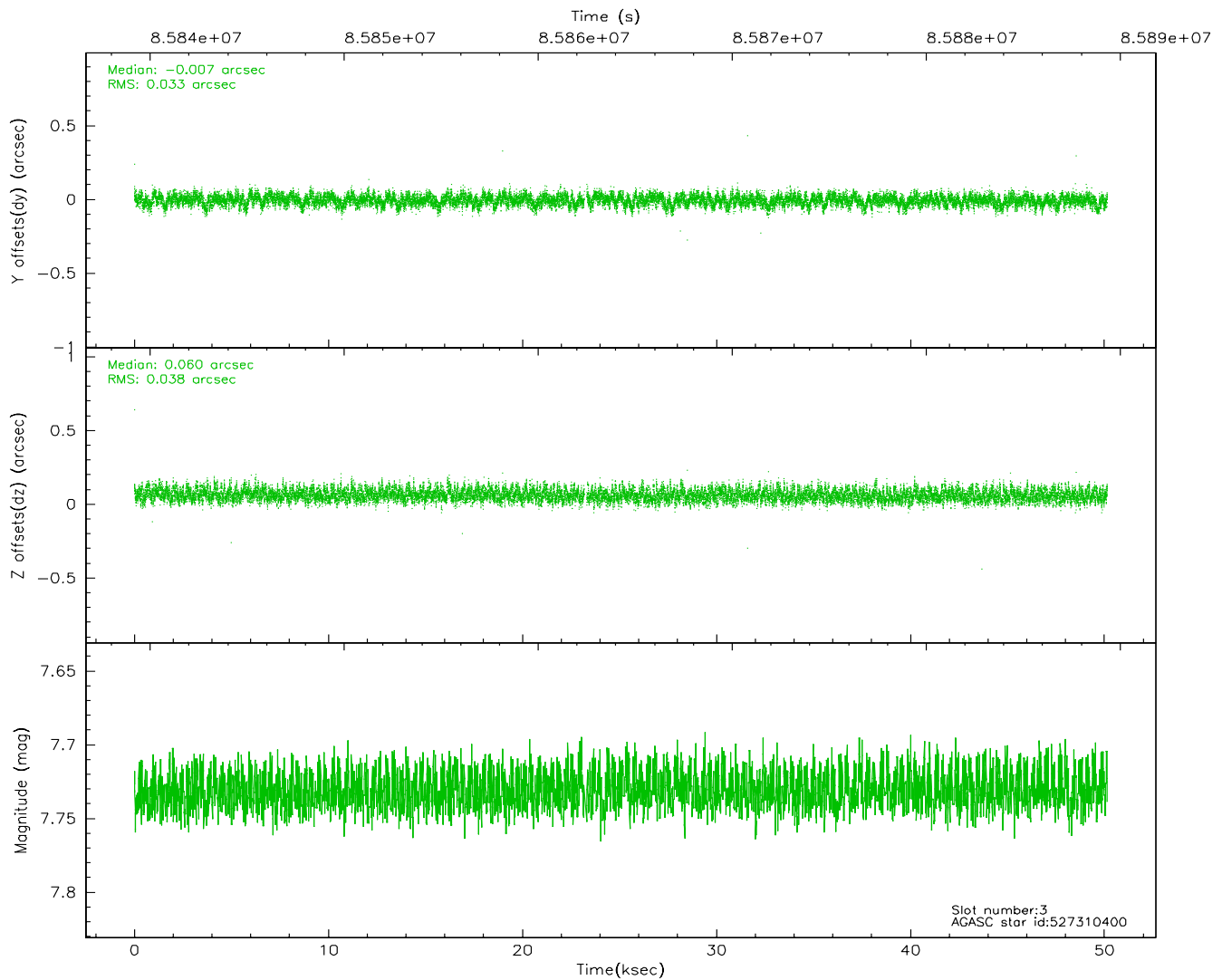
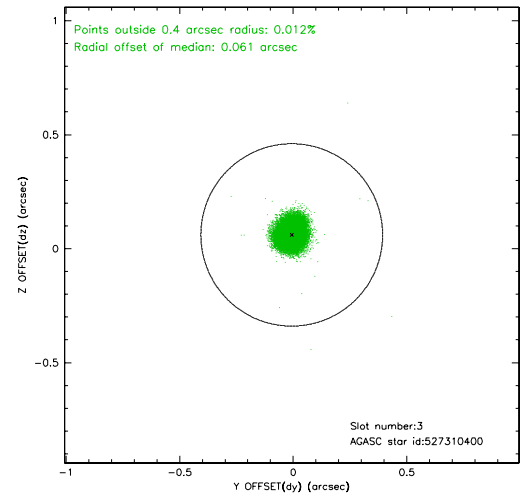
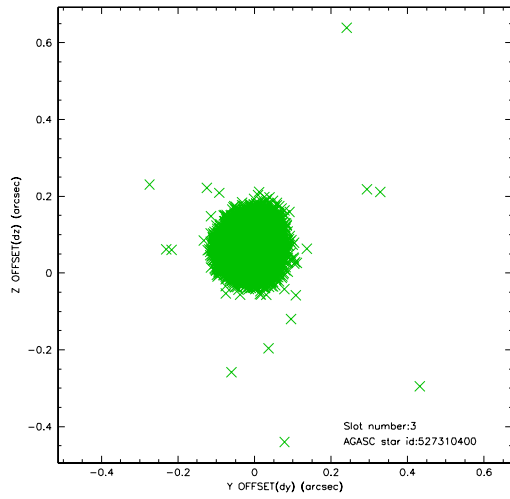


Slot Statistics

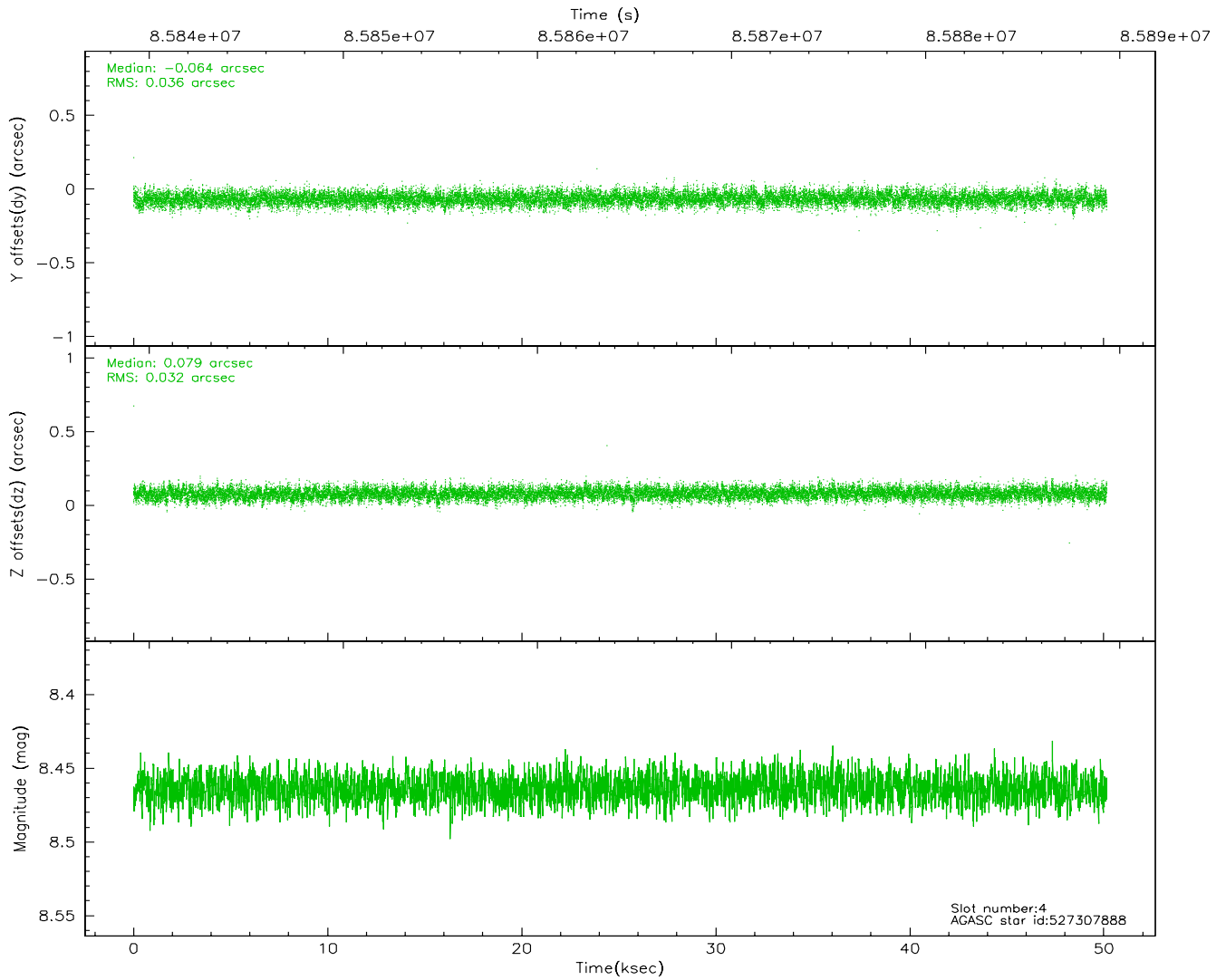
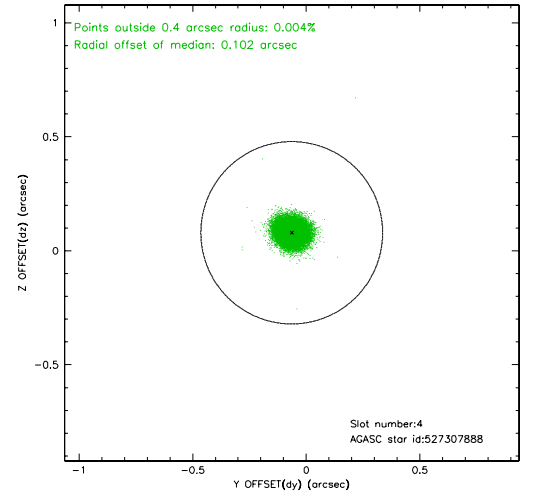
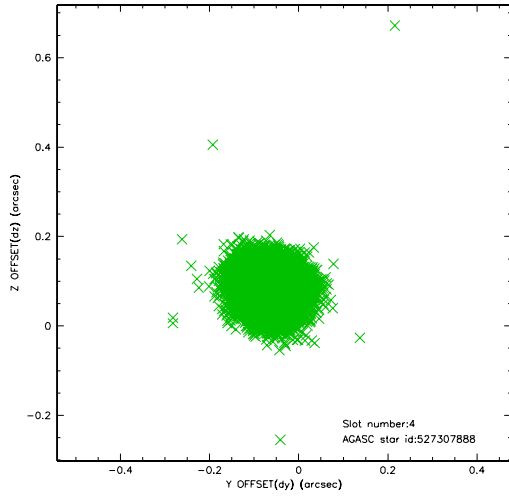
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12233	-0.037	0.009	0.006	0.010	0.000000	0.000000	-755.01	-1726.44
1	FID	ACIS-S-4	7.20	12233	-0.031	0.016	0.005	0.009	0.000000	0.000000	2158.25	182.12
2	FID	ACIS-S-5	7.24	12233	0.037	-0.016	0.006	0.010	0.000000	0.000000	-1807.84	175.67
3	GUIDE	527310400	7.73	24398	-0.007	0.060	0.053	0.084	6.292387	64.638680	340.27	-1646.91
4	GUIDE	527307888	8.46	24464	-0.064	0.079	0.051	0.083	4.965121	64.287990	2188.06	-90.70
5	GUIDE	527306552	8.74	24455	-0.042	-0.047	0.067	0.108	4.766895	63.925622	2317.18	1244.34
6	GUIDE	527312088	7.72	24465	-0.013	0.129	0.075	0.136	7.568260	64.748981	-1527.14	-2371.45
7	GUIDE	526788688	8.35	24459	0.126	-0.210	0.067	0.105	7.165543	63.460865	-1722.43	2304.36

2.4 Star Slots

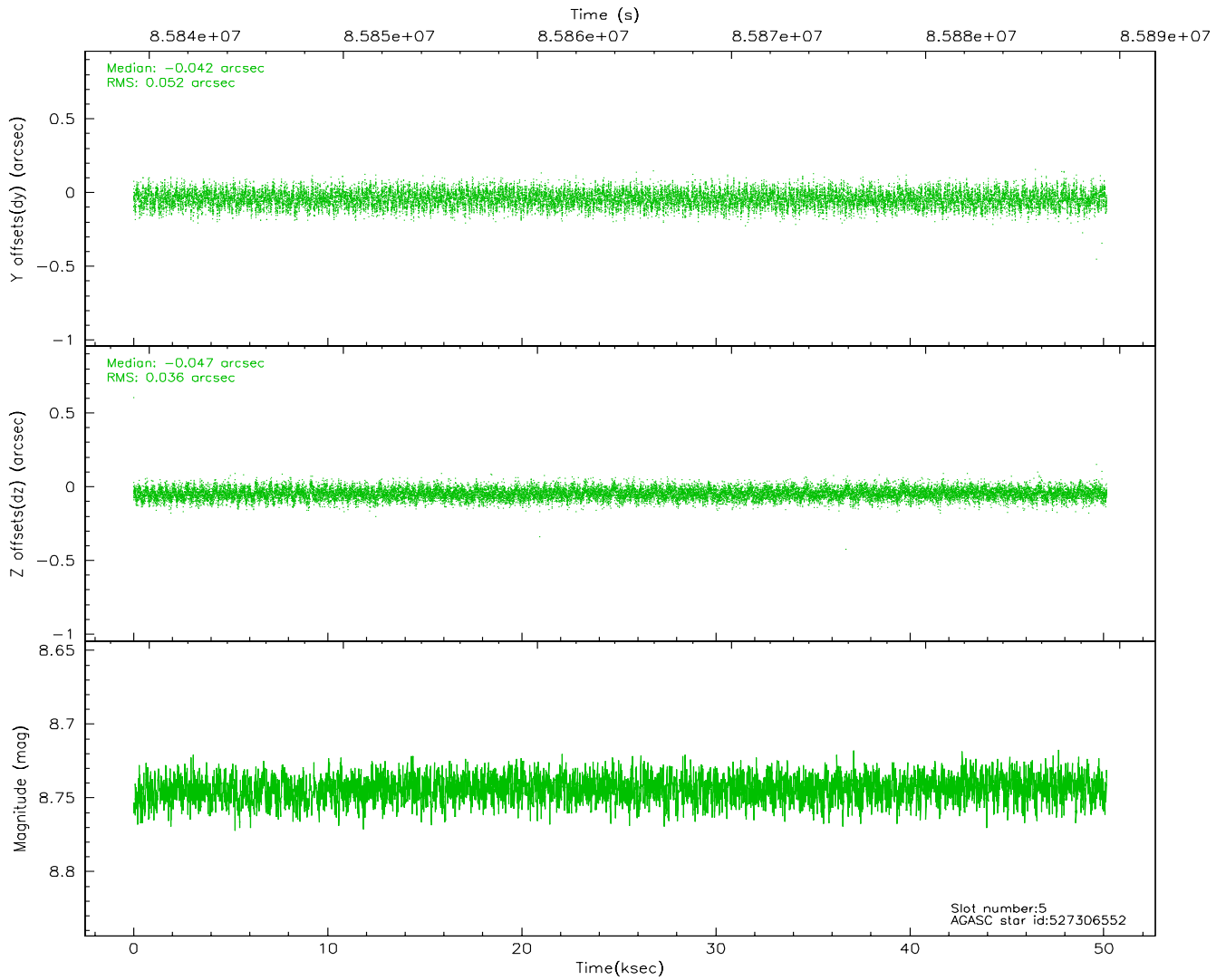
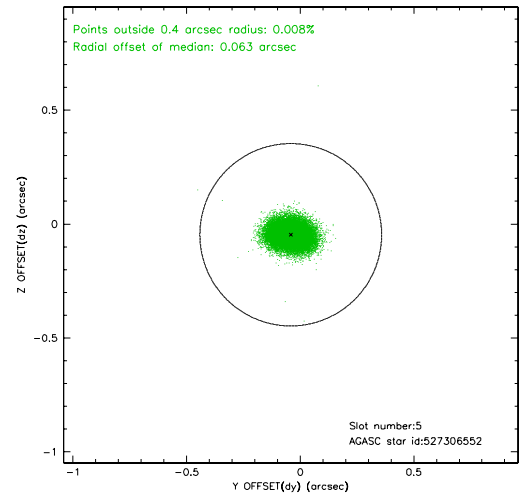
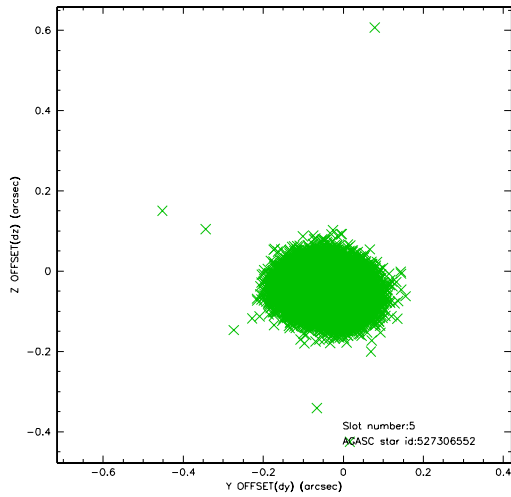
2.4.1 Slot 3



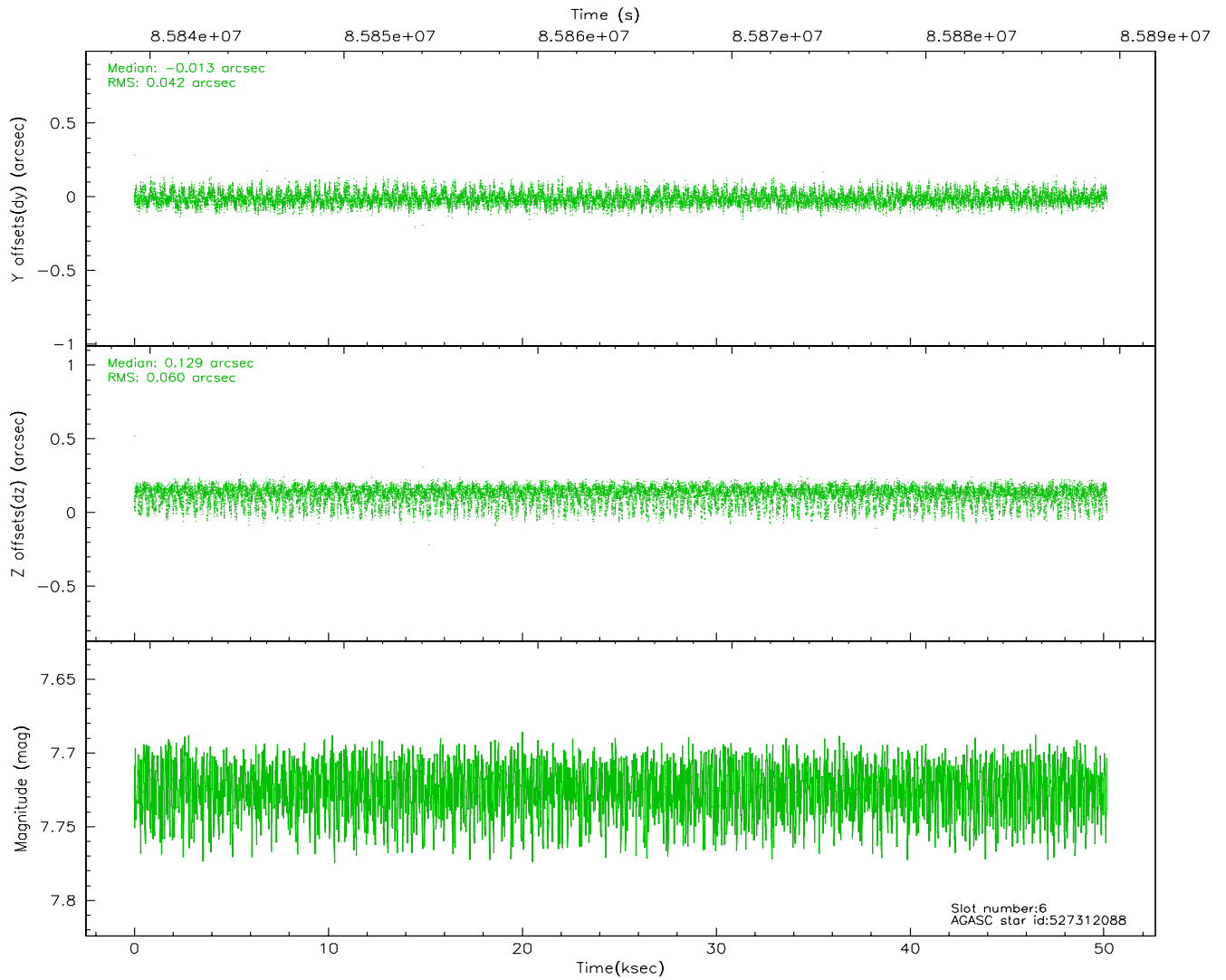
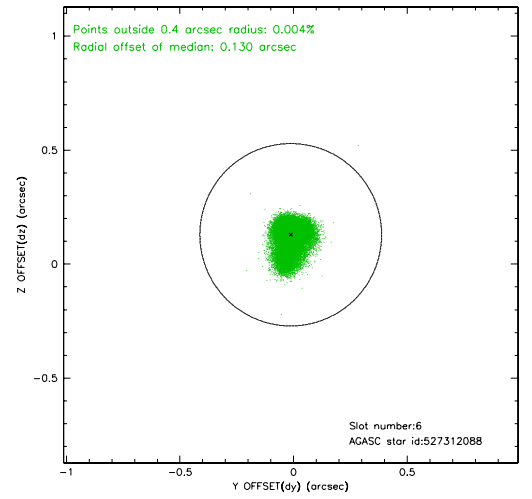
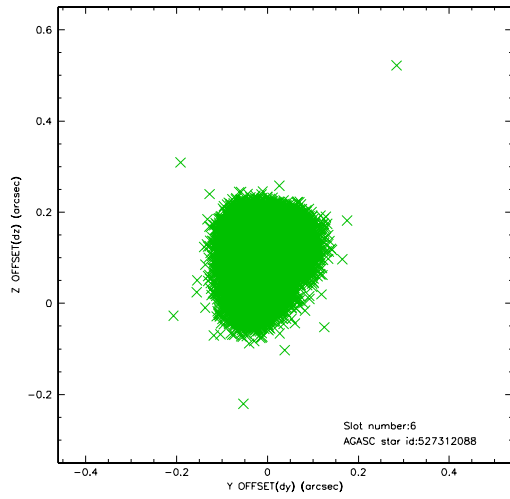
2.4.2 Slot 4



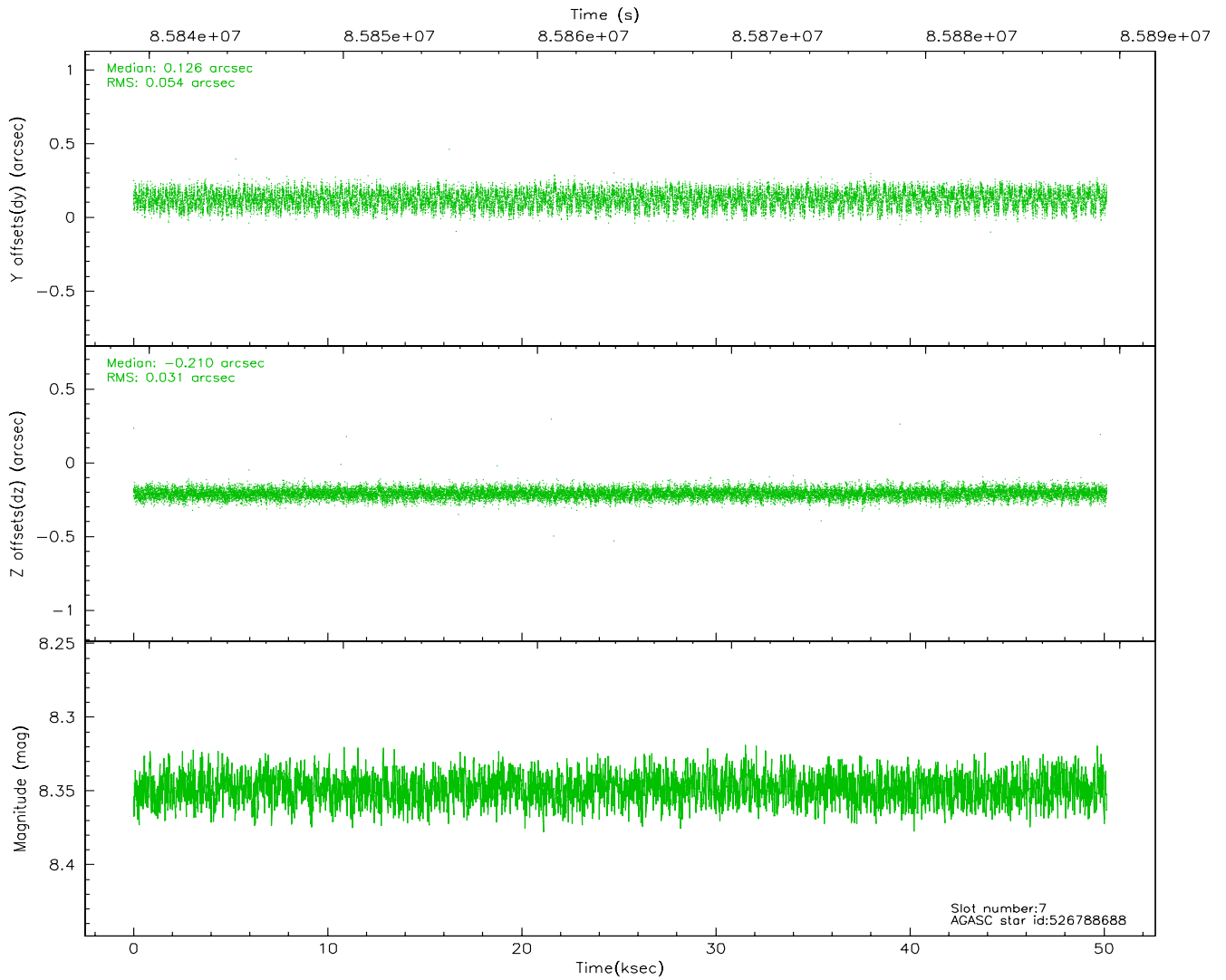
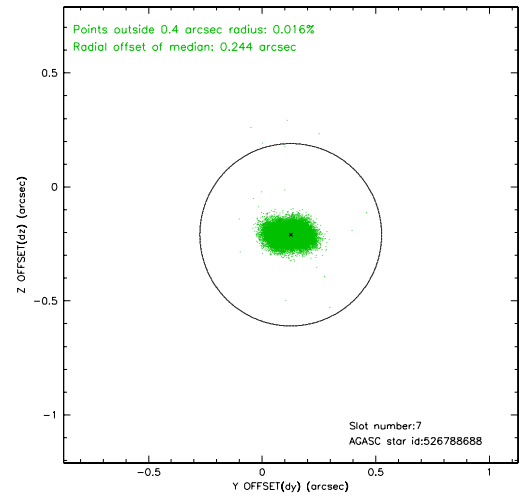
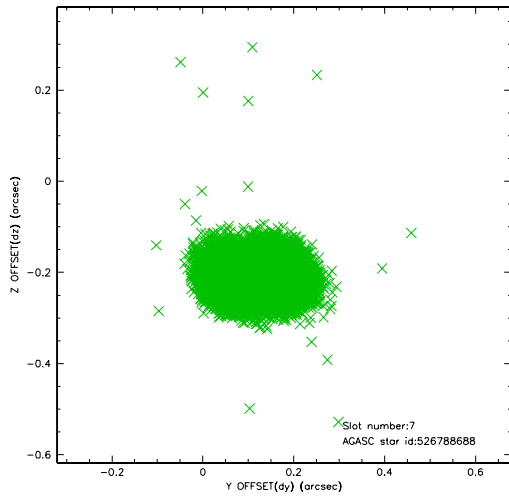
2.4.3 Slot 5



2.4.4 Slot 6

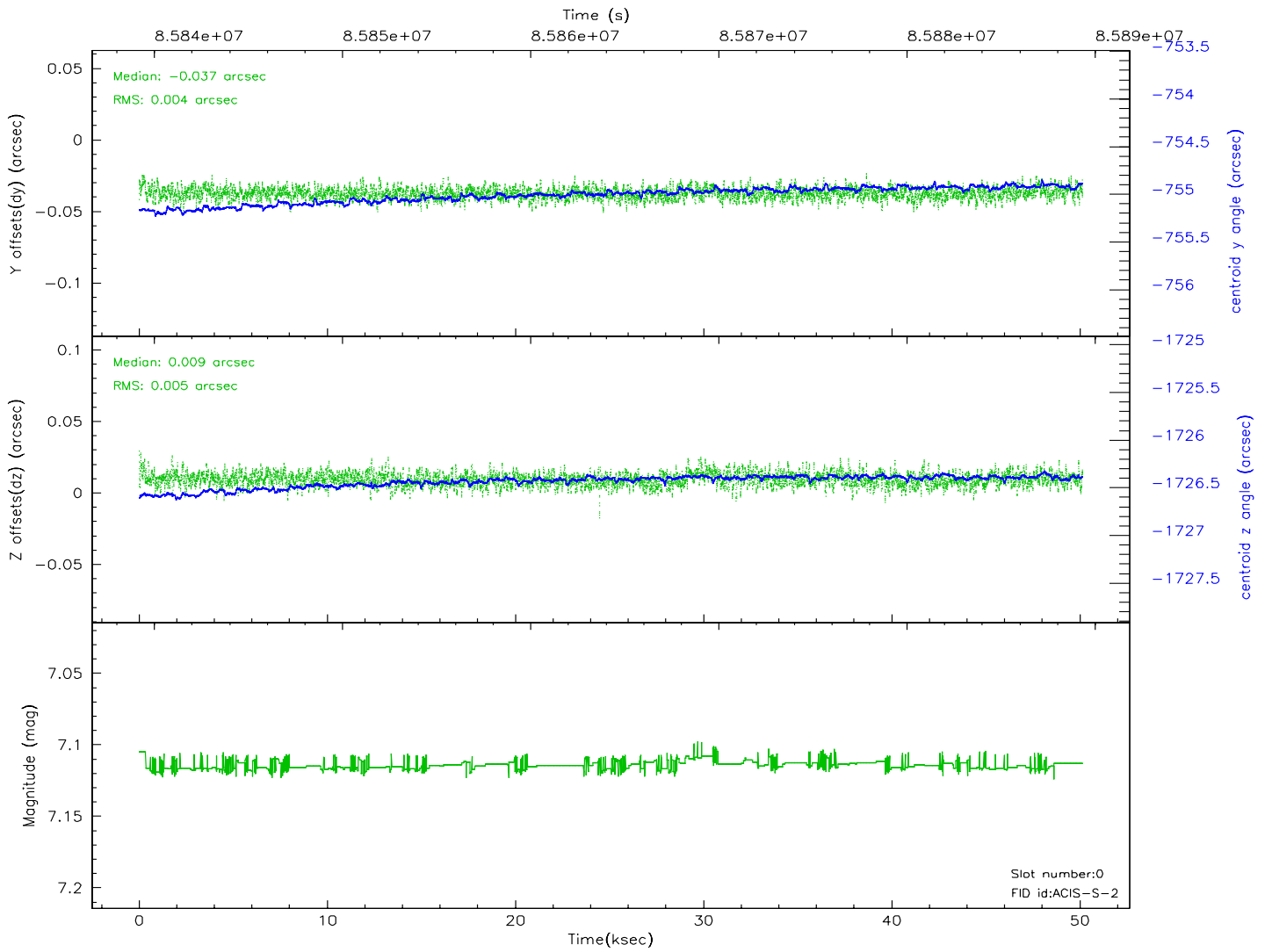
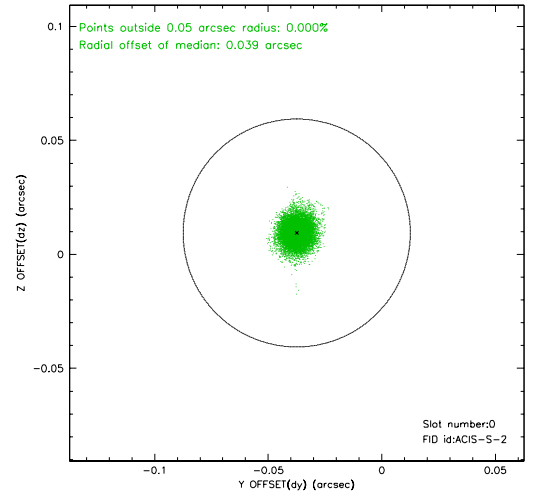
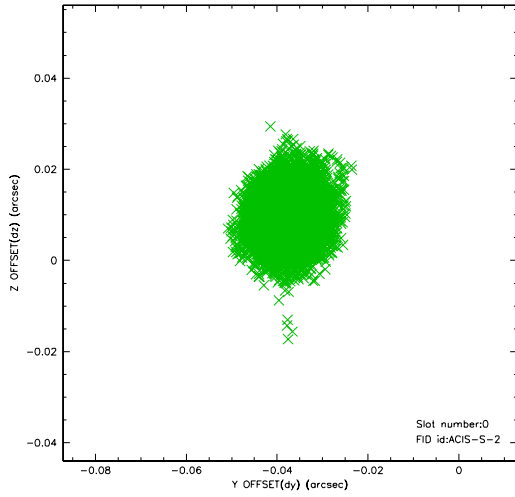


2.4.5 Slot 7

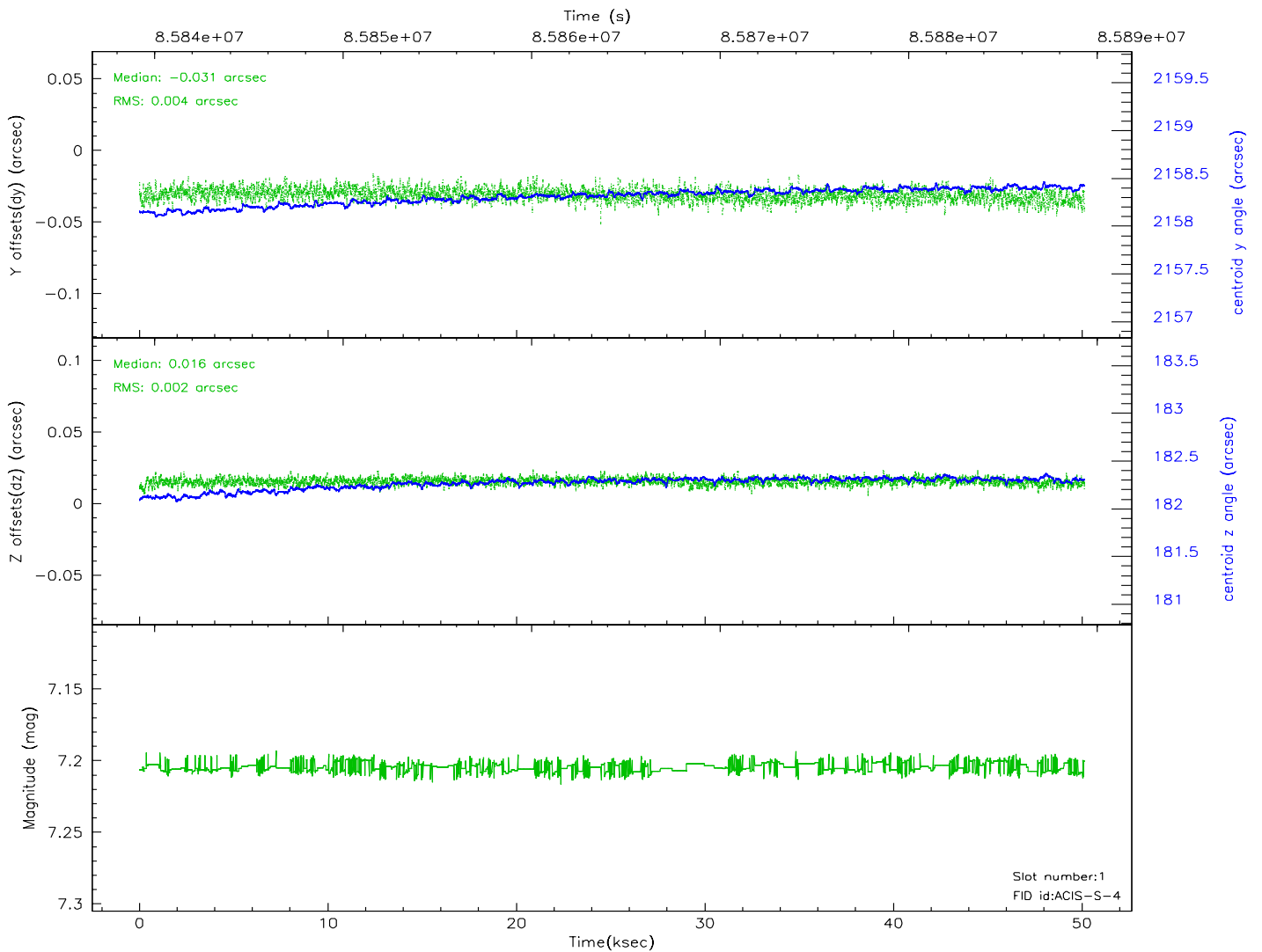
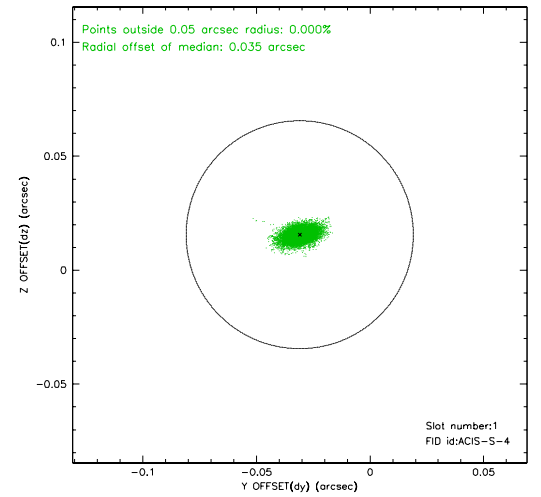
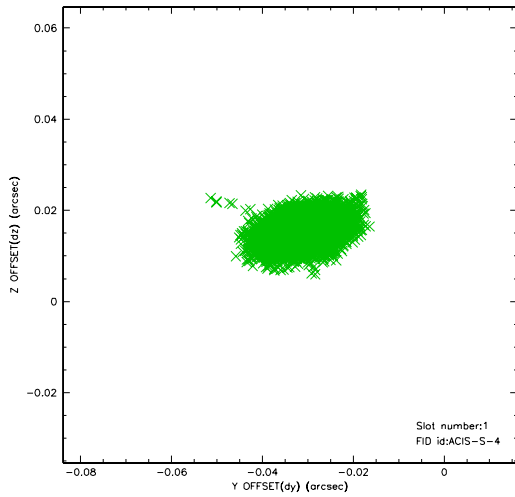


2.5 FID Slots

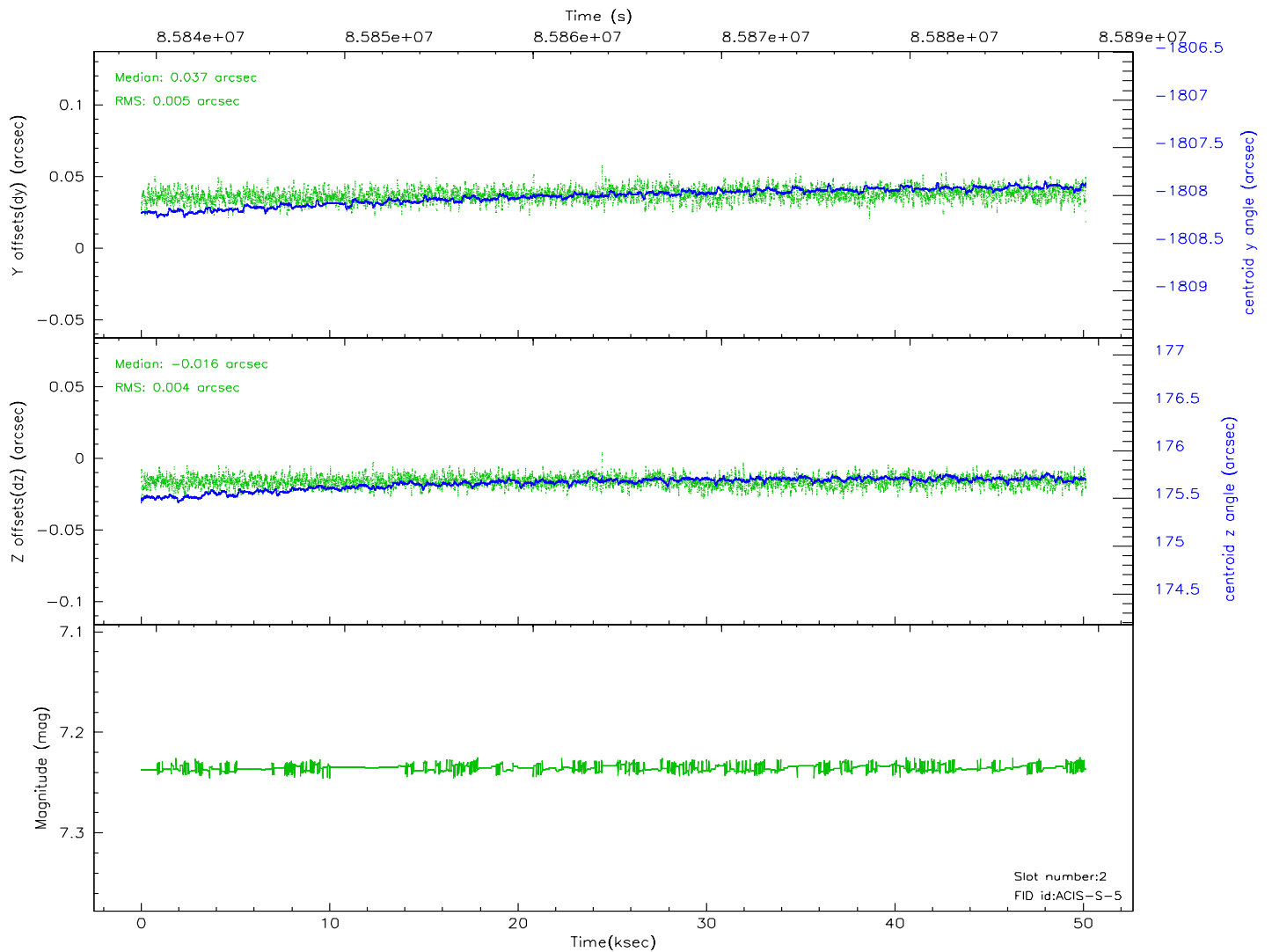
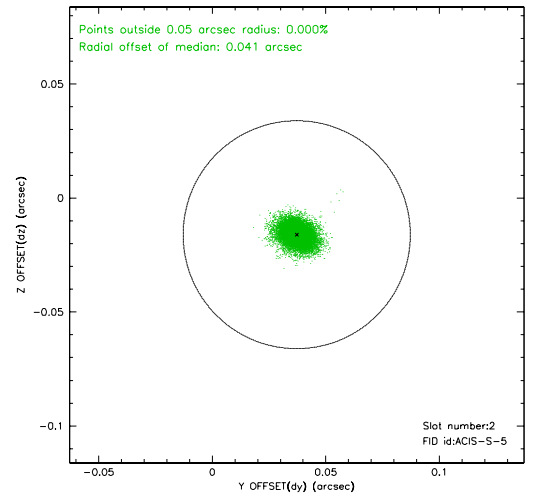
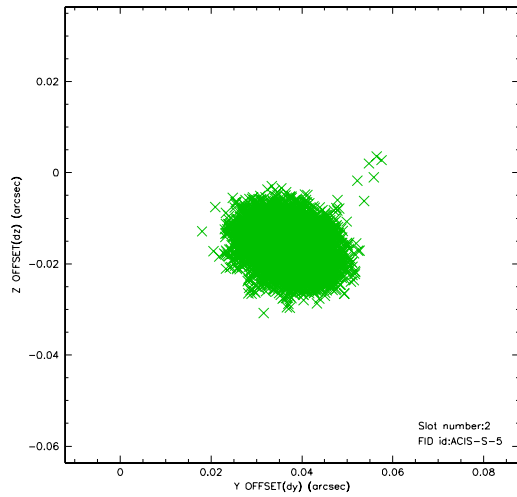
2.5.1 Slot 0



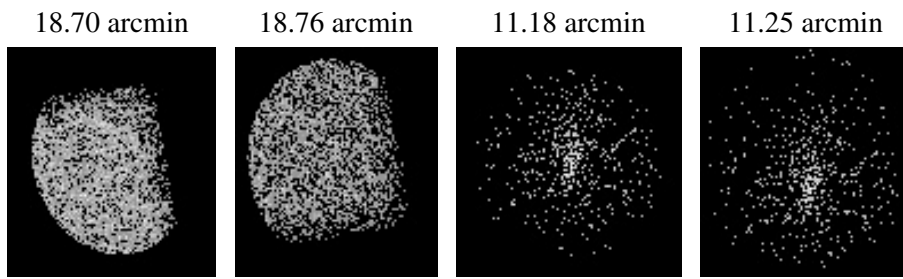
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.539

A.2 Comments