

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2213 - L2 Version 001
Chandra X-Ray Center

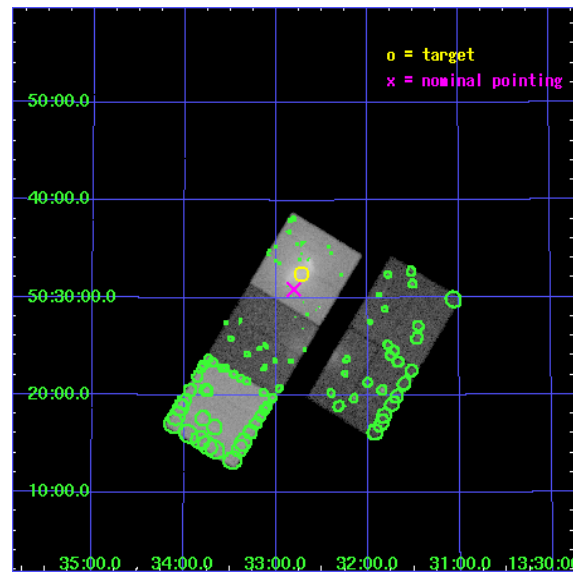
L2 Processing Date : Dec 21 2006

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1 Front

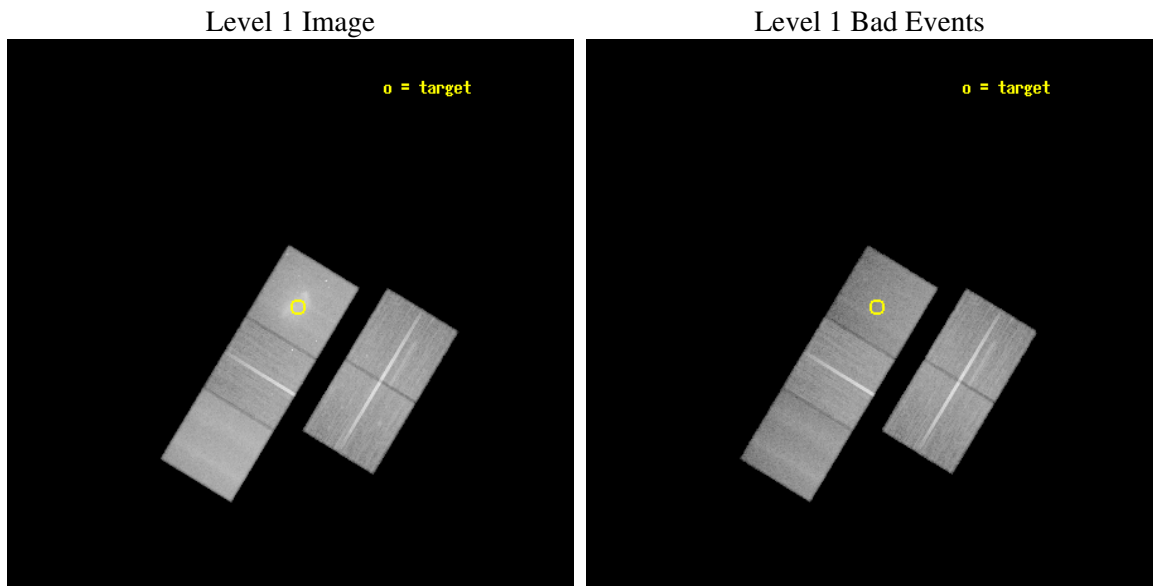
seq_num	800152
obs_id	2213
title	THE HYDRODYNAMICS OF MERGING CLUSTERS OF GALAXIES
observer	Dr. Laurence David
object	A1758
dtcycle	0
cycle	P
ra_targ	203.18
dec_targ	50.540472
ra_nom	203.20130798831
dec_nom	50.5146712135
roll_nom	301.21071863818
revision	2
ontime	59085.999886394
livetime	58313.997799398
ontime2	59079.717965901
ontime3	59079.717965916
ontime5	59085.999886394
ontime6	59076.576985747
ontime7	59085.999886394
l2events	508371



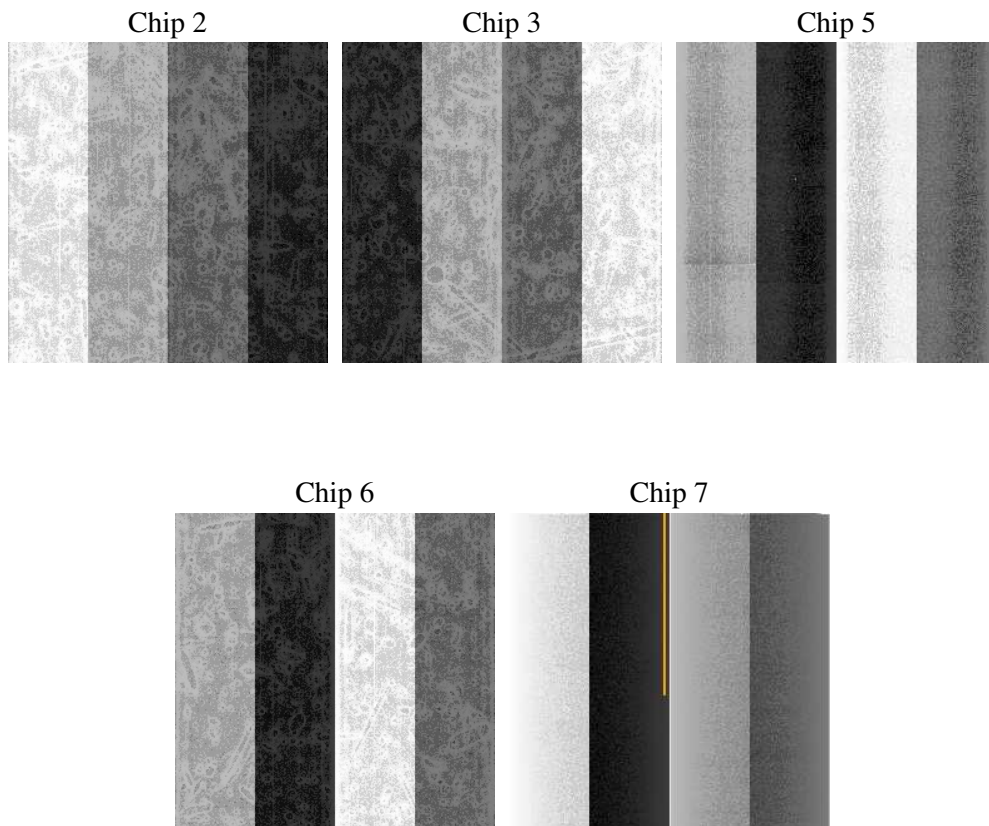
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-21T23:54:53
revision	2

sched_exp_time	58990.000000
ontime	59088.4580345
ontime2	59082.176114008
ontime3	59082.176114023
ontime5	59088.4580345
ontime6	59079.035133854
ontime7	59088.4580345
l1events	1773278

2.1.4 Events

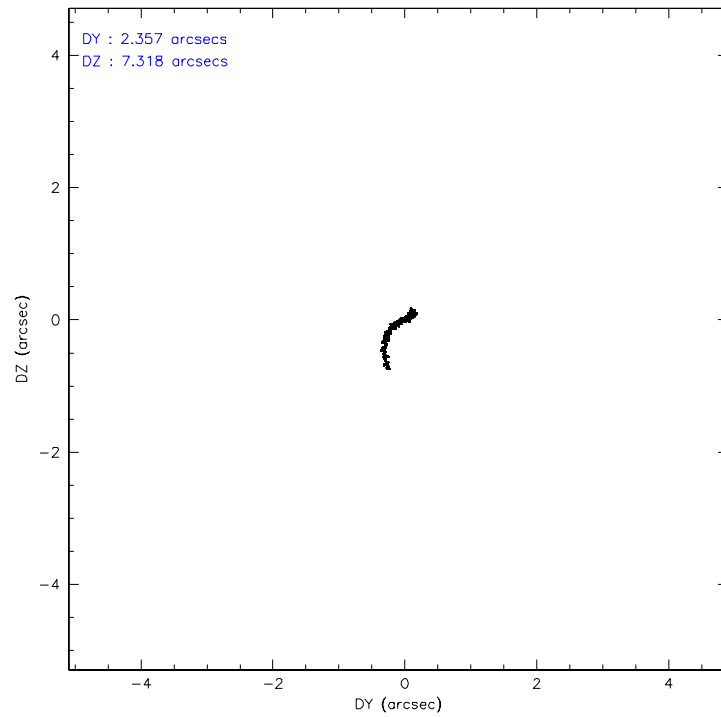
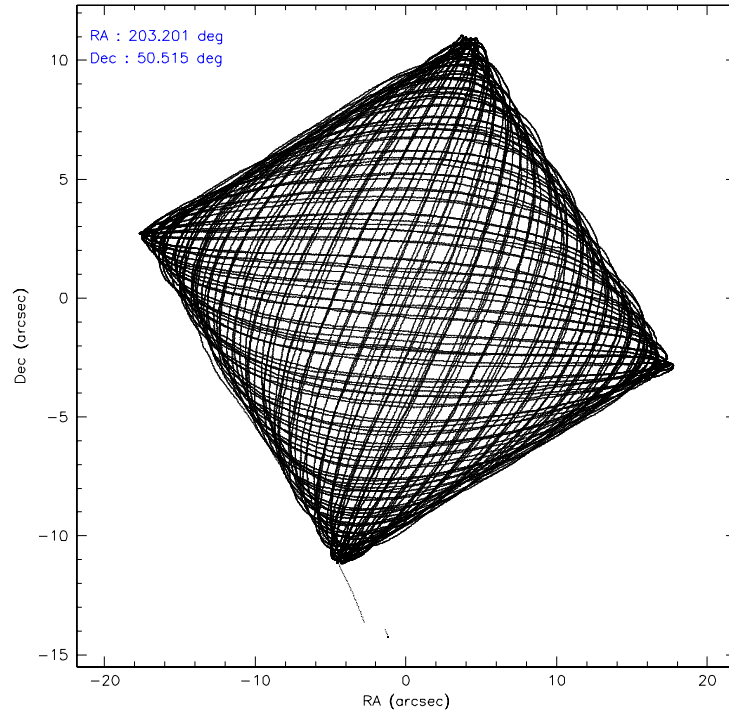
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	323561	307942	410140	326799	404836
rejected events	284017	277132	209322	282259	182497
rejected %	87%	89%	51%	86%	45%

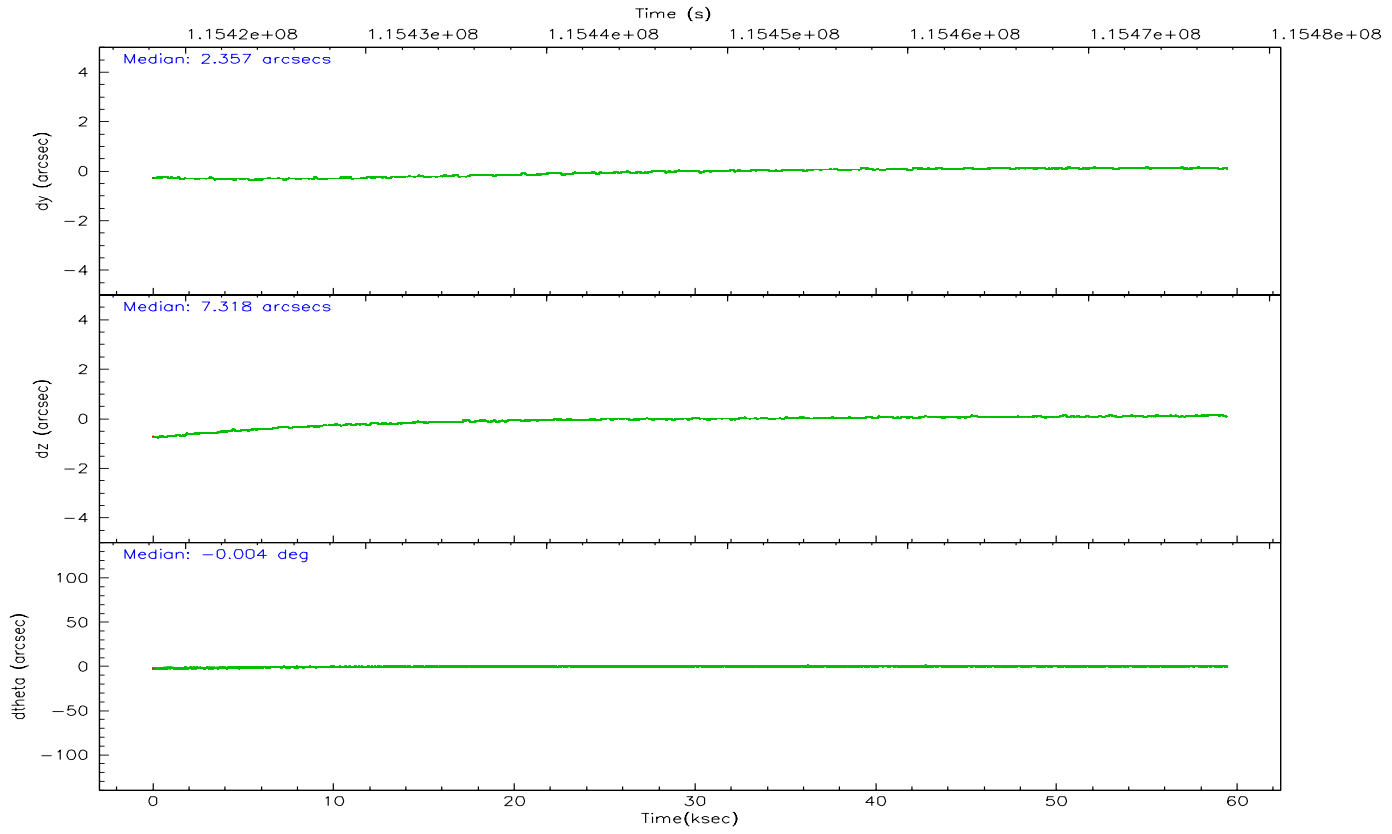
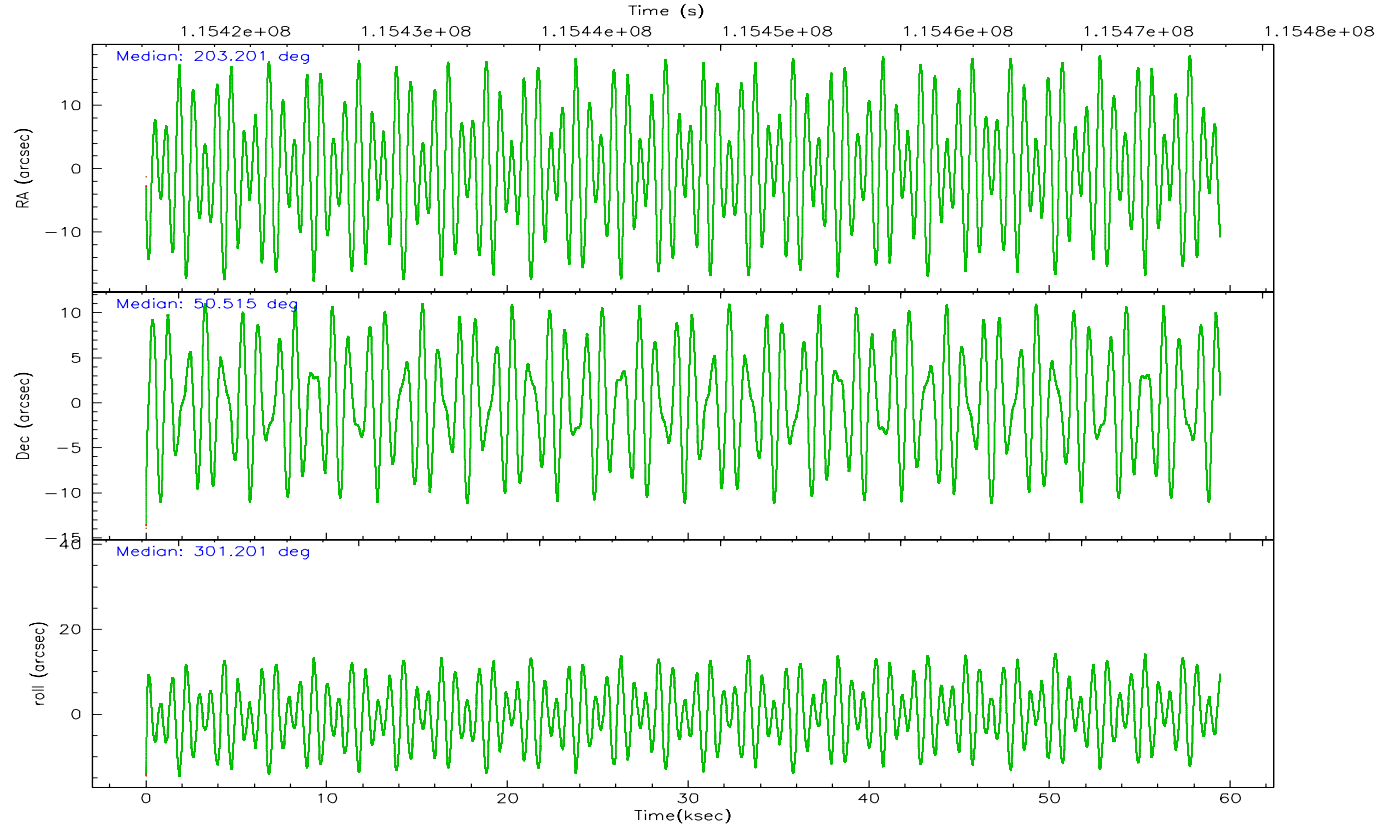
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	19113	12893	11075	22703	31176
	5%	4%	2%	6%	7%
grade 1 events	172	130	129	167	186
	0%	0%	0%	0%	0%
grade 2 events	7733	6121	63818	7924	55391
	2%	1%	15%	2%	13%
grade 3 events	3192	3223	7558	3705	16998
	0%	1%	1%	1%	4%
grade 4 events	3948	3064	7237	3644	17024
	1%	0%	1%	1%	4%
grade 5 events	8416	10228	21439	10694	25422
	2%	3%	5%	3%	6%
grade 6 events	5559	5511	111142	6569	101757
	1%	1%	27%	2%	25%
grade 7 events	275428	266772	187742	271393	156882
	85%	86%	45%	83%	38%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	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	203.163489	203.2013079883056	Subarray requested	NONE	NONE
Pointing Dec	50.527524	50.51467121350011	Alternating exposures requested	N	N
Pointing Roll	301.083293	301.2107186381753	Primary exposure time	0.000000	3.1
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	115418680.184000	115417566.5814			
Observation start date	2001-08-28T20:43:36	2001-08-28T20:26:06			
Observation end time	115477670.184000	115478012.88379			
Observation end date	2001-08-29T13:06:46	2001-08-29T13:13:32			
Read mode	TIMED	TIMED			

2.3 Aspect



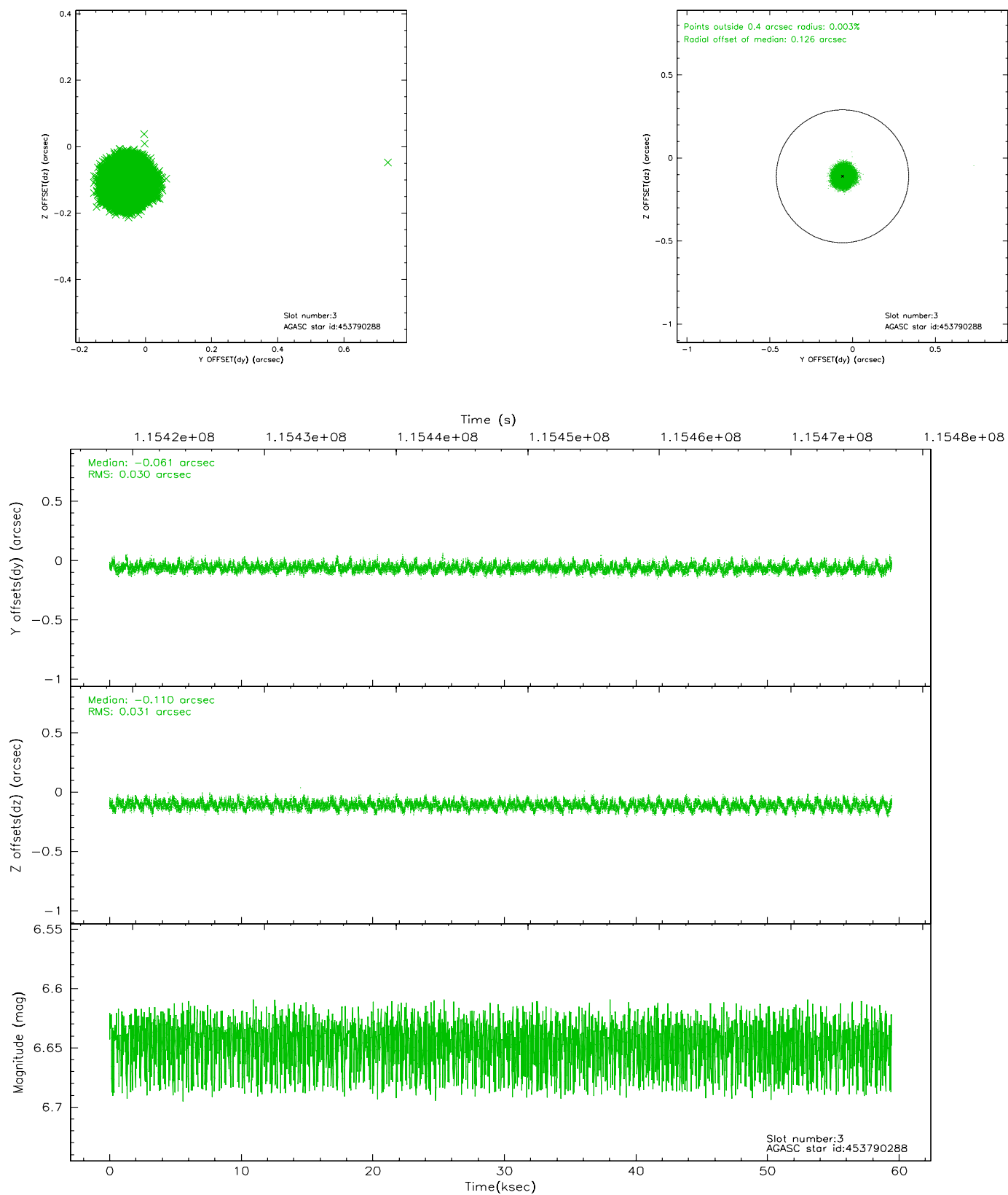


Slot Statistics

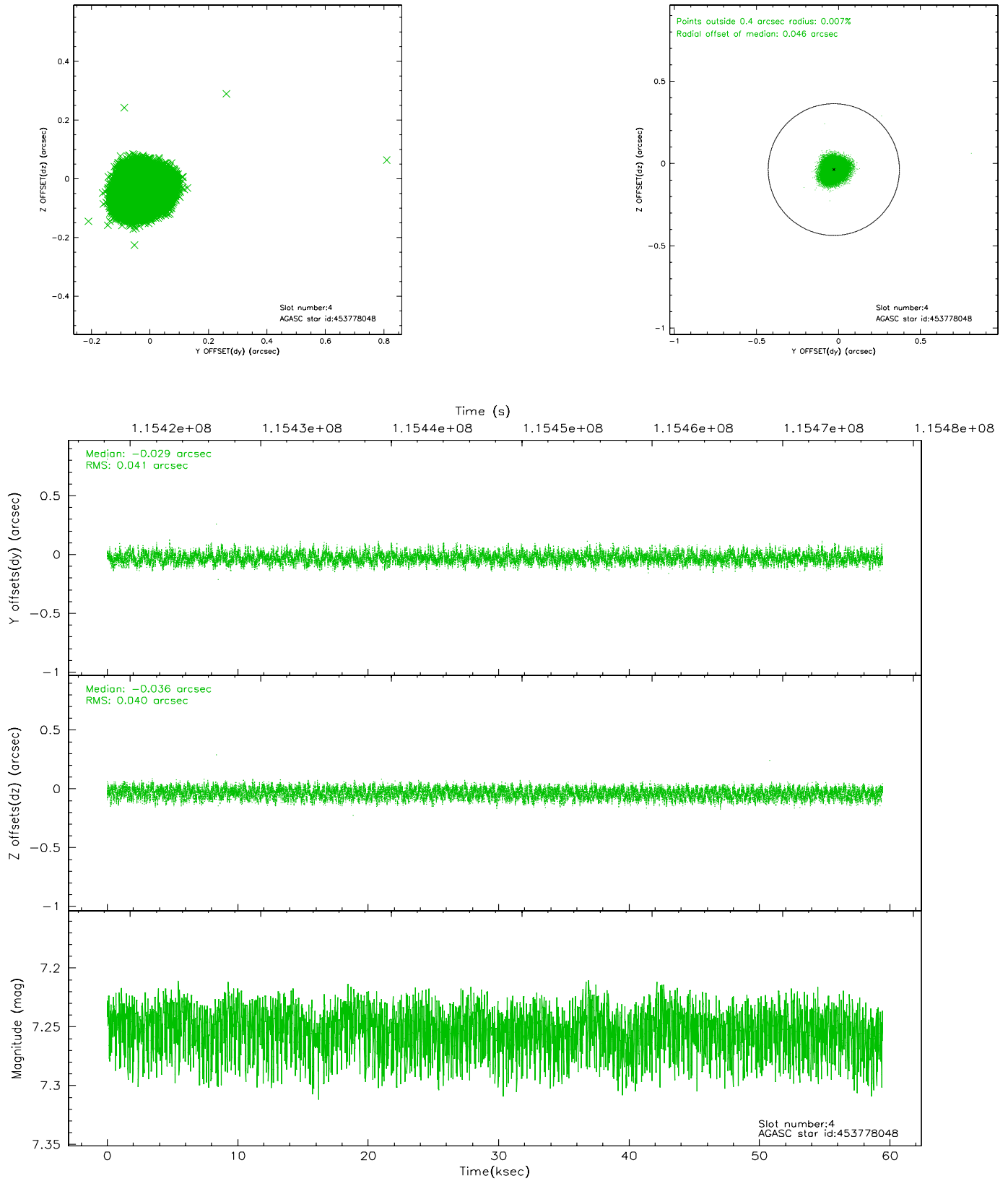
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	14501	0.003	0.023	0.009	0.017	0.000000	0.000000	-754.92	-1728.39
1	FID	ACIS-S-4	7.19	14501	-0.100	-0.007	0.006	0.010	0.000000	0.000000	2158.27	180.11
2	FID	ACIS-S-5	7.24	14501	0.066	-0.007	0.010	0.019	0.000000	0.000000	-1807.75	173.72
3	GUIDE	453790288	6.65	29000	-0.061	-0.110	0.047	0.073	202.190977	50.718575	-1744.97	-1534.89
4	GUIDE	453778048	7.25	29000	-0.029	-0.036	0.062	0.095	202.049130	50.587295	-1514.96	-2059.50
5	GUIDE	454694864	7.96	28993	-0.109	0.064	0.064	0.107	203.458203	50.950289	-959.30	1359.98
6	GUIDE	454692248	9.31	28983	0.077	0.094	0.072	0.117	202.744066	50.628741	-808.14	-629.48
7	GUIDE	454690720	9.32	28985	0.115	-0.013	0.097	0.152	203.358072	51.127107	-1621.76	1492.21

2.4 Star Slots

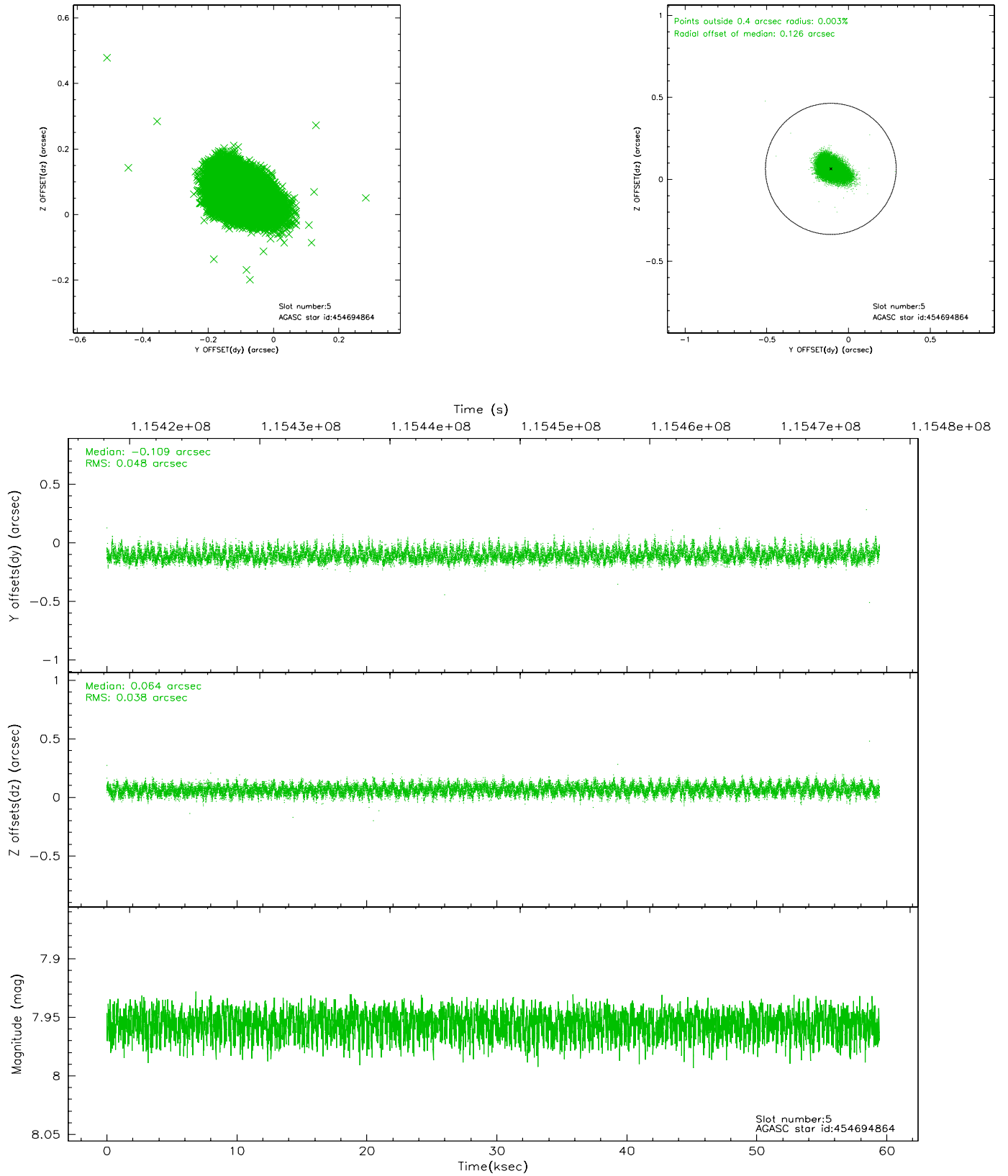
2.4.1 Slot 3



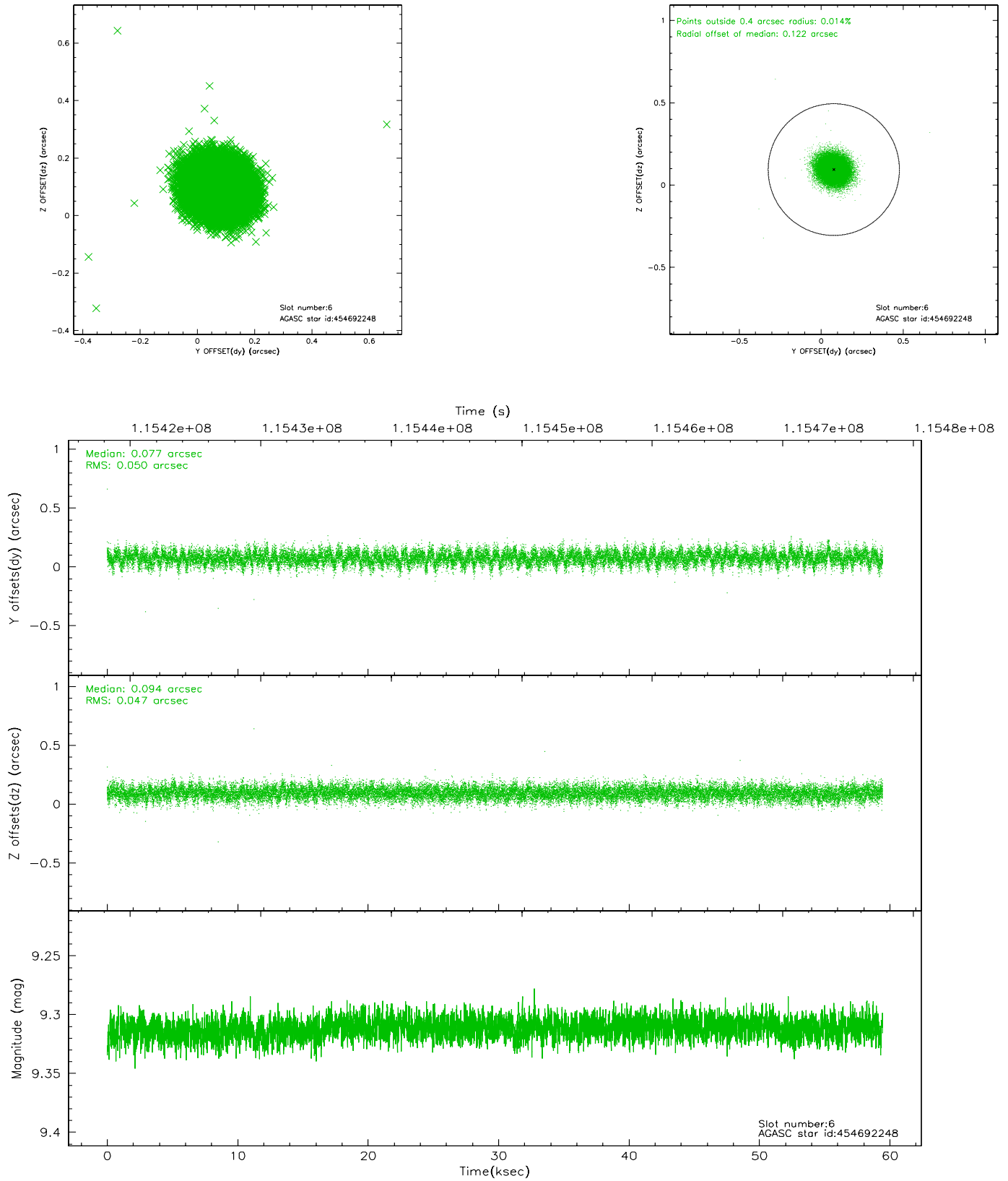
2.4.2 Slot 4



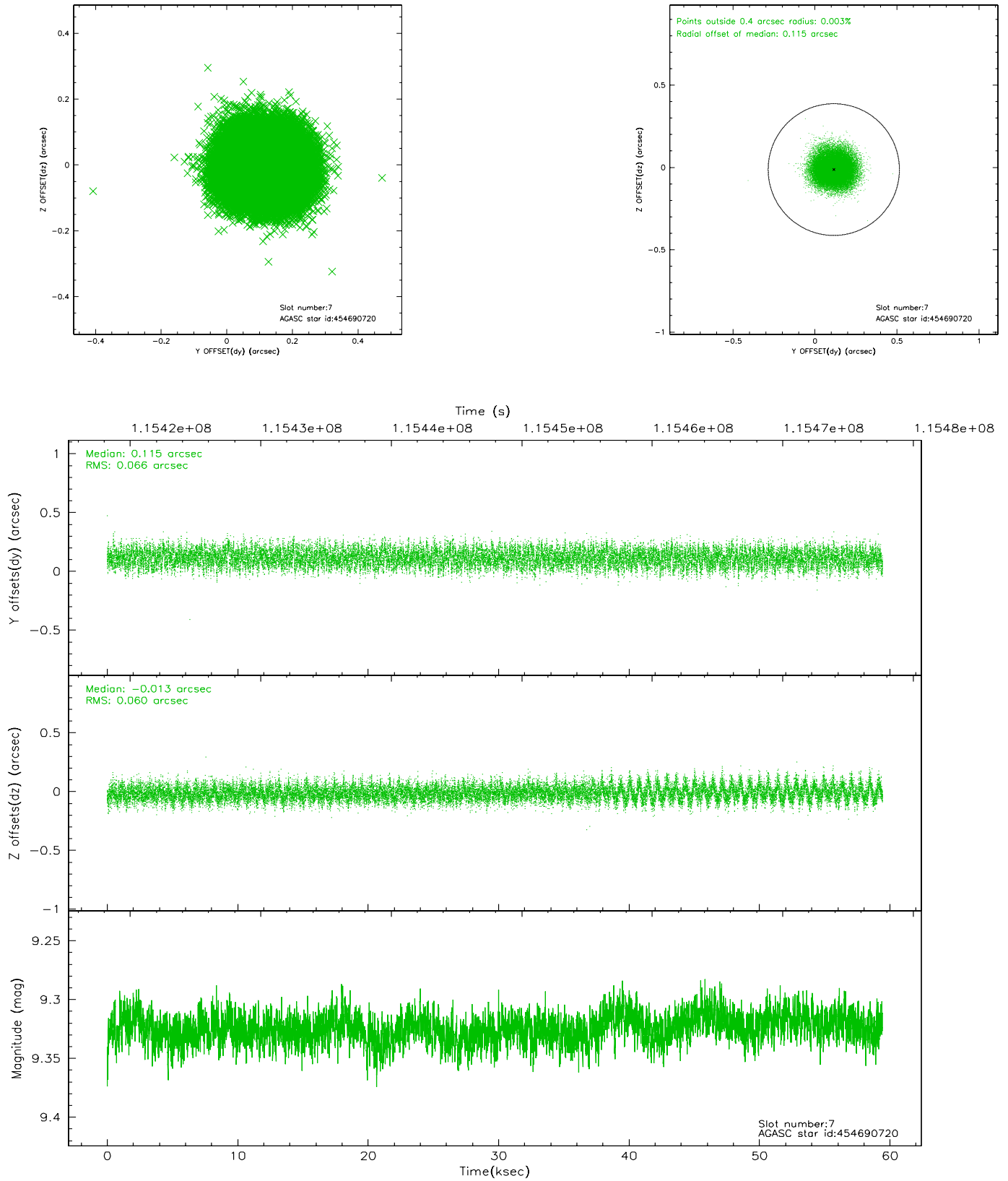
2.4.3 Slot 5



2.4.4 Slot 6

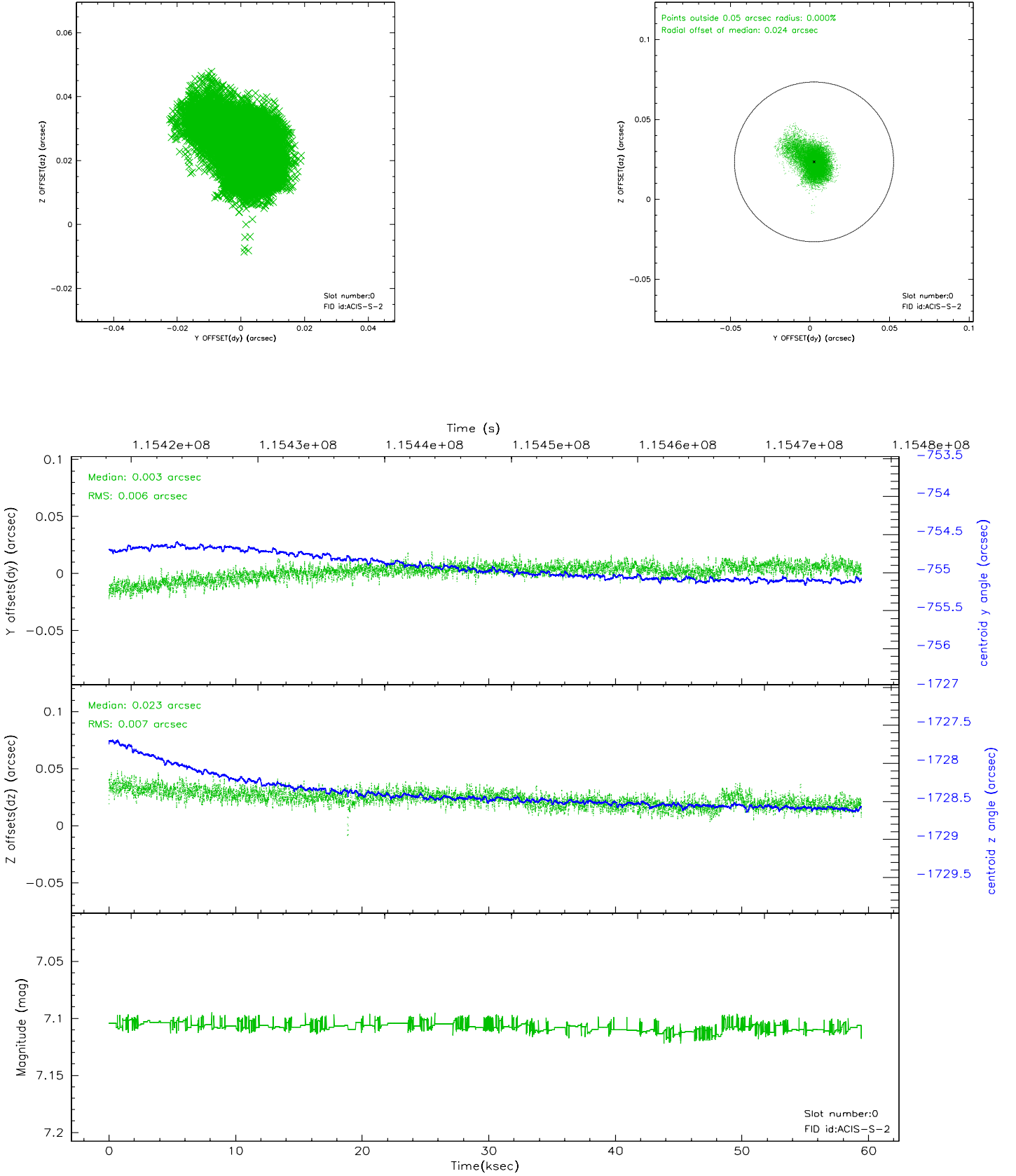


2.4.5 Slot 7

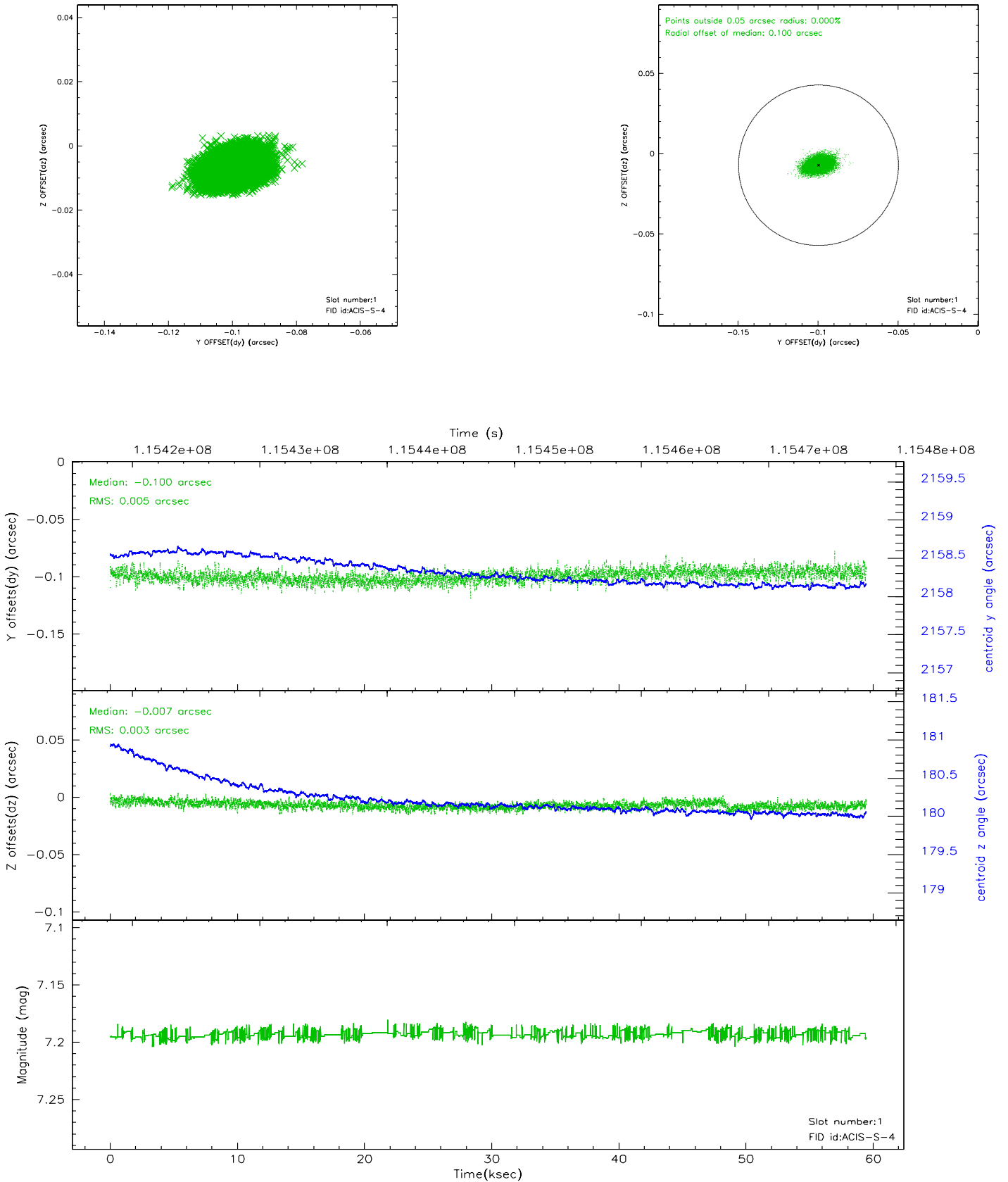


2.5 FID Slots

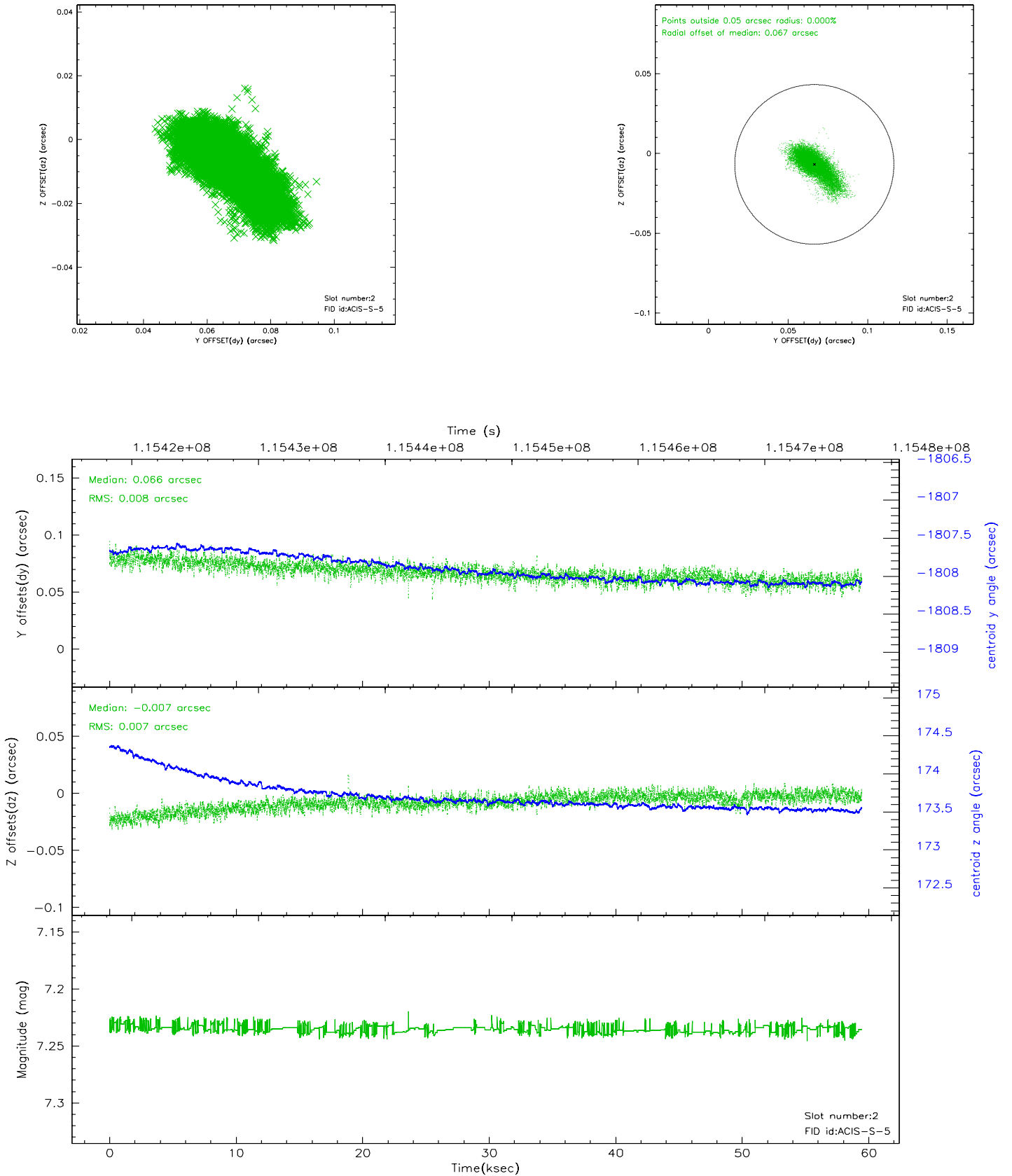
2.5.1 Slot 0



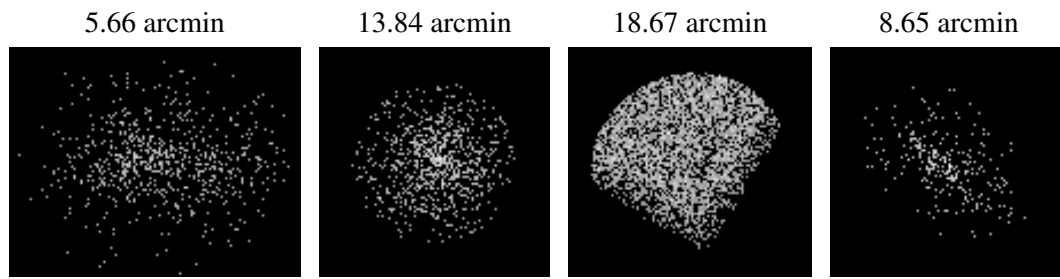
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.086

A.2 Comments