

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 318 - L2 Version 001
Chandra X-Ray Center

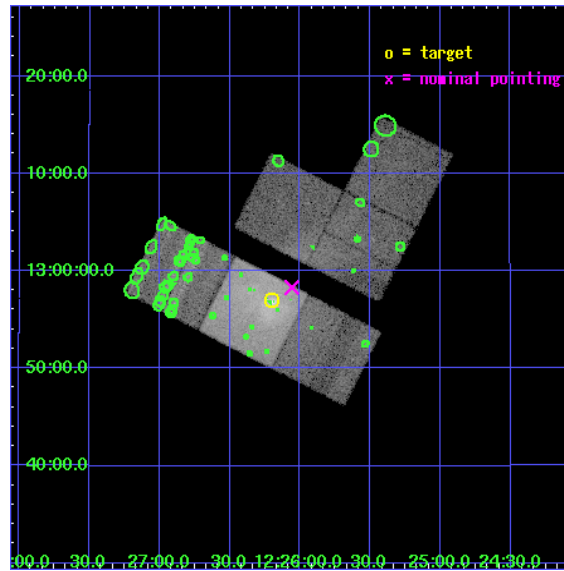
L2 Processing Date : May 12 2007

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1 Front

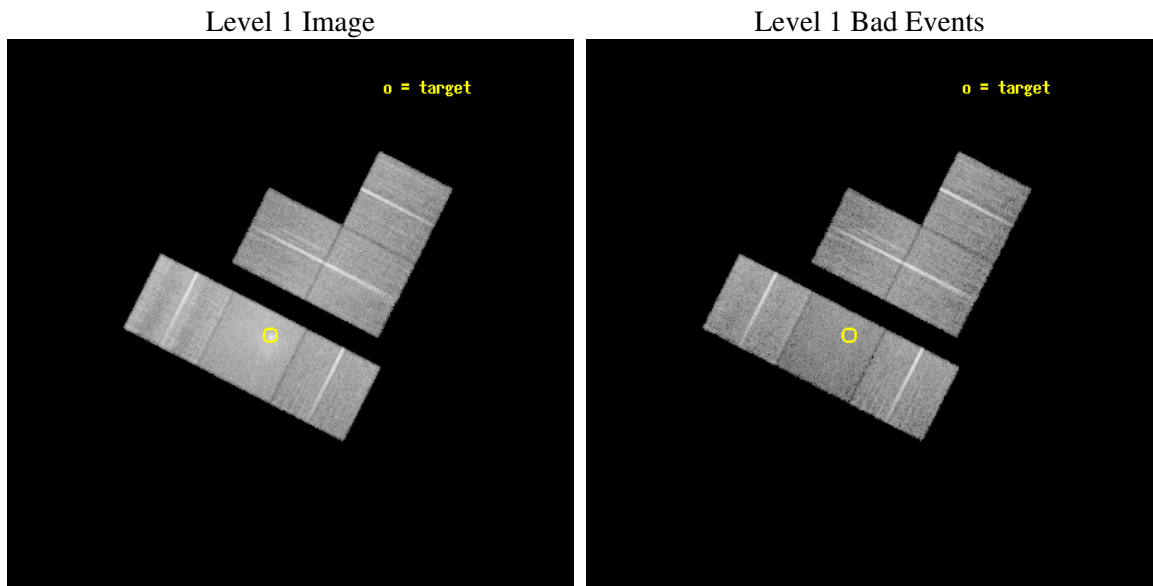
seq_num	600078
obs_id	318
title	EARLY TYPE GALAXIES
observer	Dr. Stephen Murray
object	NGC 4406
dtcycle	0
cycle	P
ra_targ	186.55
dec_targ	12.95
ra_nom	186.51448848872
dec_nom	12.971894702721
roll_nom	206.97762817782
revision	3
ontime	14816.000013798
livetime	14628.3909005
ontime0	14816.000013798
ontime2	14816.000013798
ontime3	14816.000013798
ontime6	14816.000013798
ontime7	14816.000013798
ontime8	14816.000013798
l2events	221260



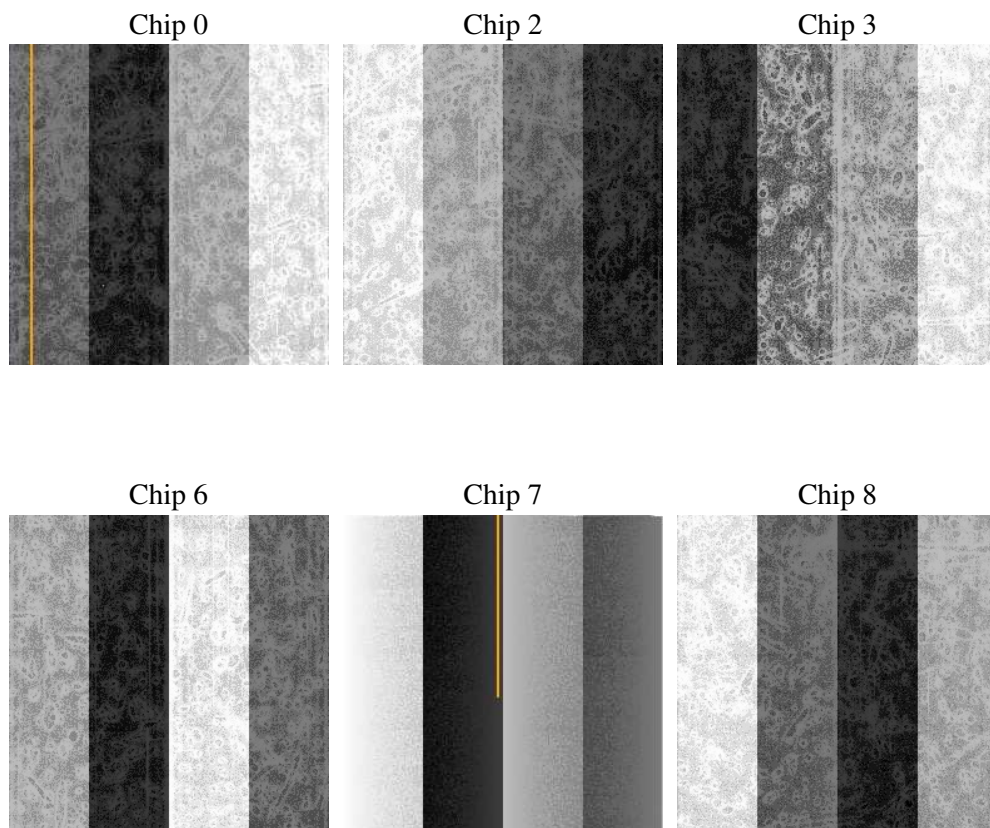
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.3.0
date	2007-05-12T03:29:42
revision	3

sched_exp_time	15766.507000
ontime	14816.000013798
ontime0	14816.000013798
ontime2	14816.000013798
ontime3	14816.000013798
ontime6	14816.000013798
ontime7	14816.000013798
ontime8	14816.000013798
l1events	819564

2.1.4 Events

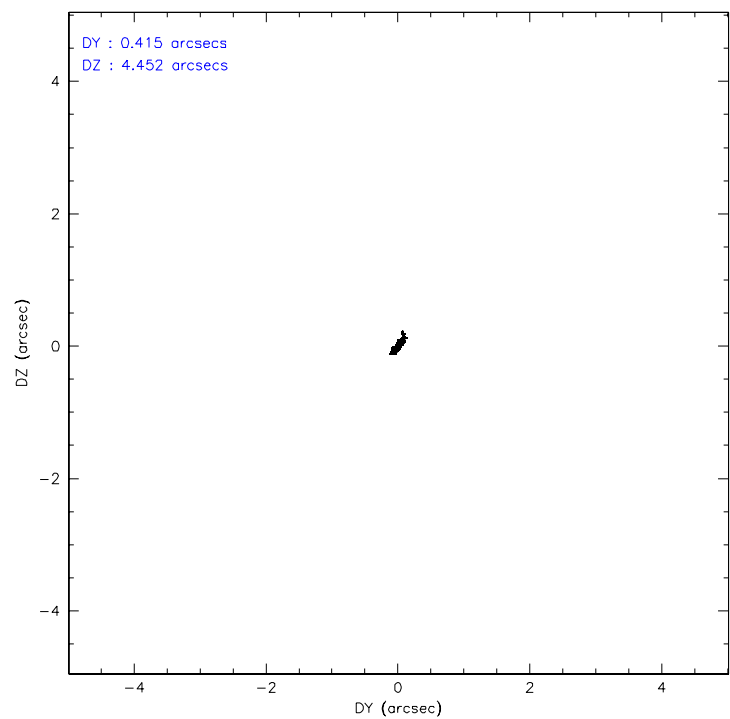
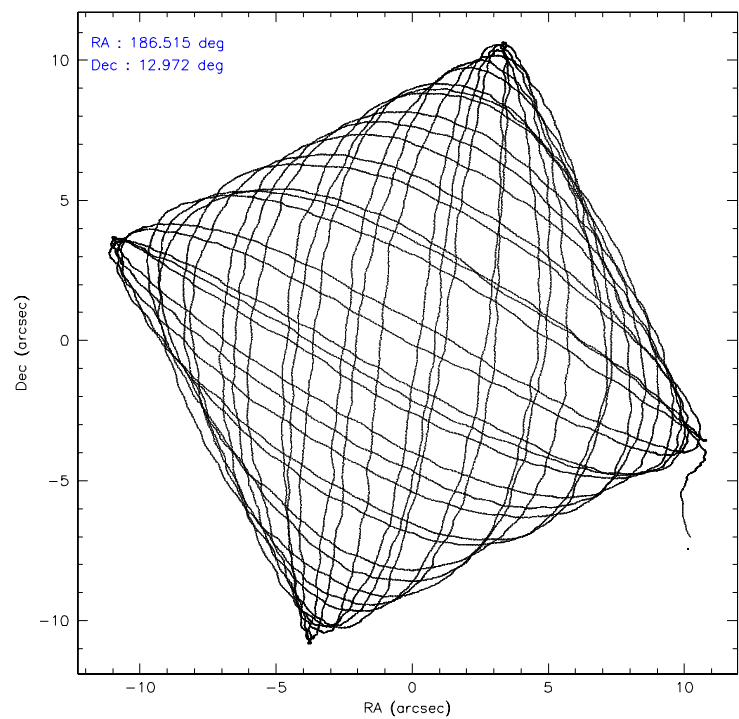
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	110817	123265	114974	125618	173476	171414
rejected events	89549	96791	92310	99143	68030	106765
rejected %	80%	78%	80%	78%	39%	62%

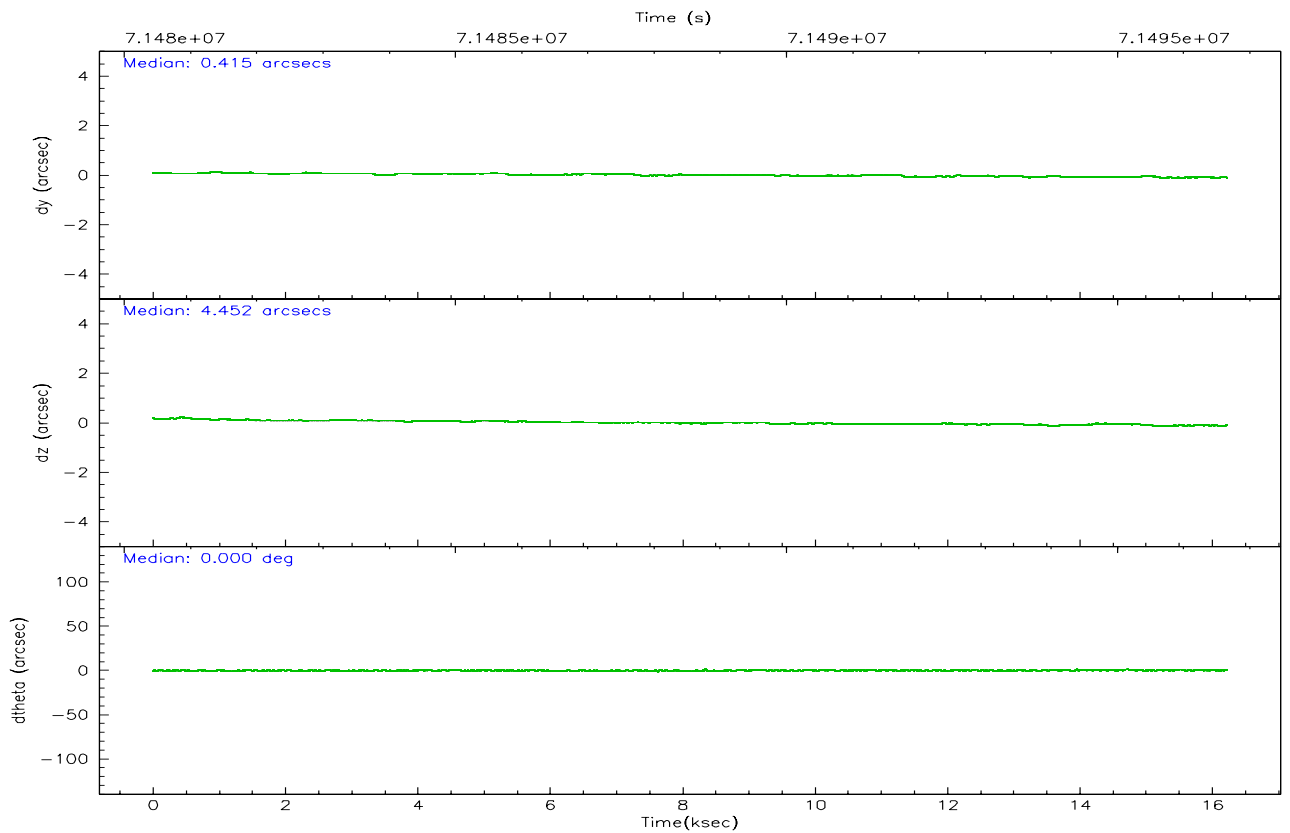
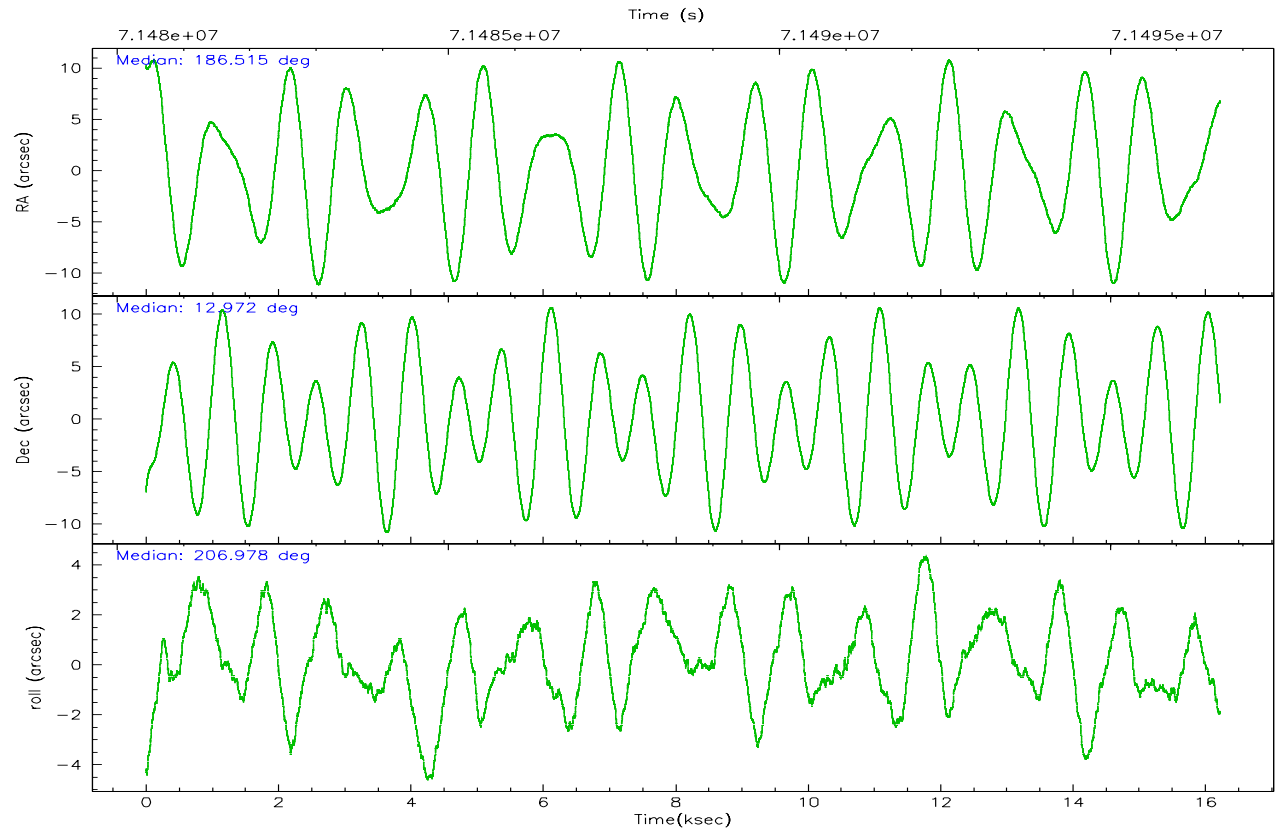
	ccd 0	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	10865	16119	12310	15572	22269	27336
	9%	13%	10%	12%	12%	15%
grade 1 events	79	81	69	112	131	225
	0%	0%	0%	0%	0%	0%
grade 2 events	4779	4706	4880	5104	23819	10019
	4%	3%	4%	4%	13%	5%
grade 3 events	1250	1303	1266	1352	10658	8696
	1%	1%	1%	1%	6%	5%
grade 4 events	1256	1439	1255	1365	10752	7820
	1%	1%	1%	1%	6%	4%
grade 5 events	3372	3032	3385	3774	11560	4957
	3%	2%	2%	3%	6%	2%
grade 6 events	3124	2915	2961	3088	37998	10792
	2%	2%	2%	2%	21%	6%
grade 7 events	86092	93670	88848	95251	56289	101569
	77%	75%	77%	75%	32%	59%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-023678	ACIS-023678	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	186.529754	186.5144884887219	Subarray requested	NONE	NONE
Pointing Dec	12.994937	12.9718947027212	Alternating exposures requested	N	N
Pointing Roll	206.817564	206.9776281778168	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)	-201.898523	-201.9070616611727			
SIM translation stage offset (mm)	11.766	11.77453907816488			
Observation start time	71480894.184000	71480248.545803			
Observation start date	2000-04-07T07:47:10	2000-04-07T07:37:28			
Observation end time	71496661.184000	71496970.396415			
Observation end date	2000-04-07T12:09:57	2000-04-07T12:16:10			
Read mode	TIMED	TIMED			

2.3 Aspect



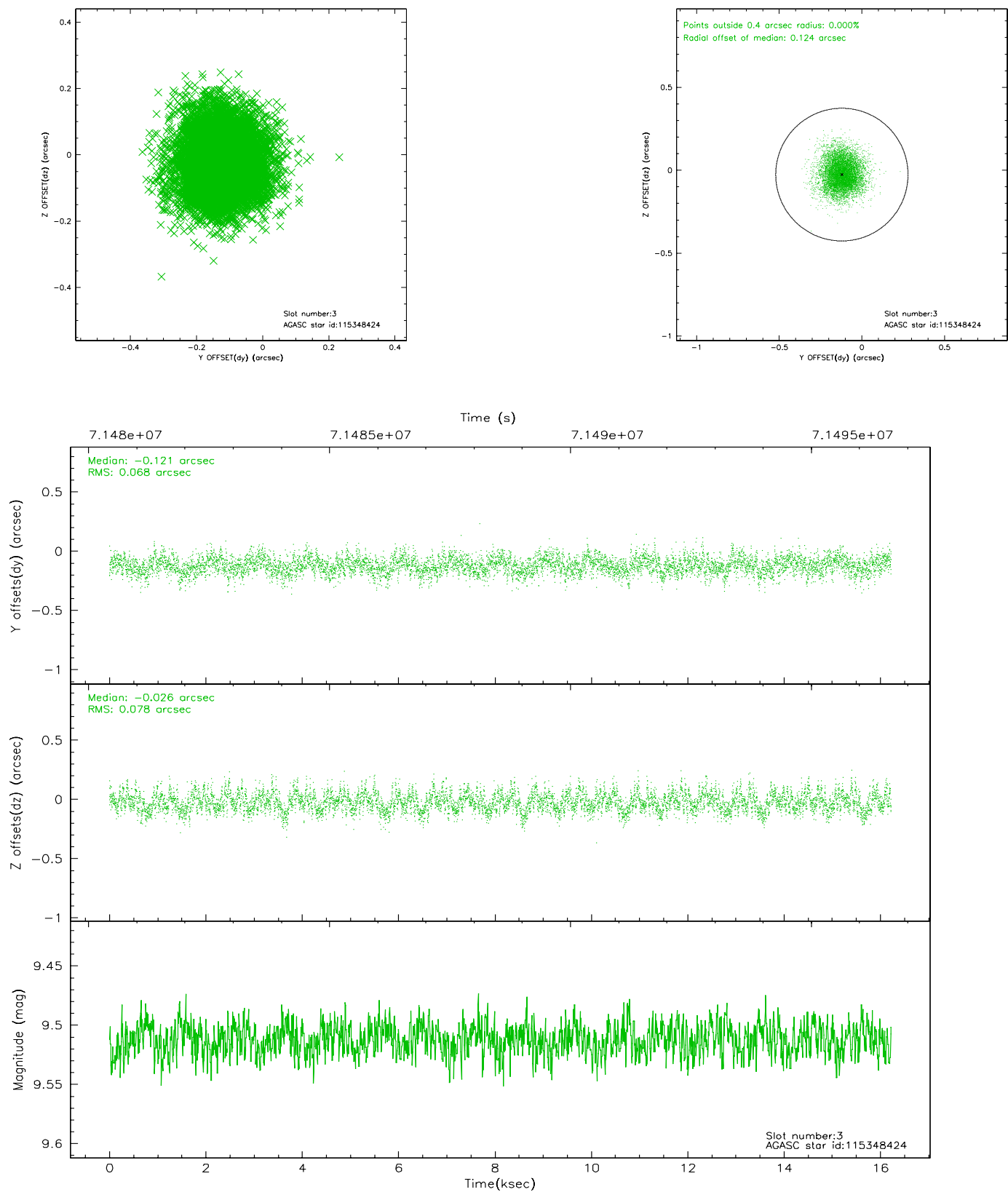


Slot Statistics

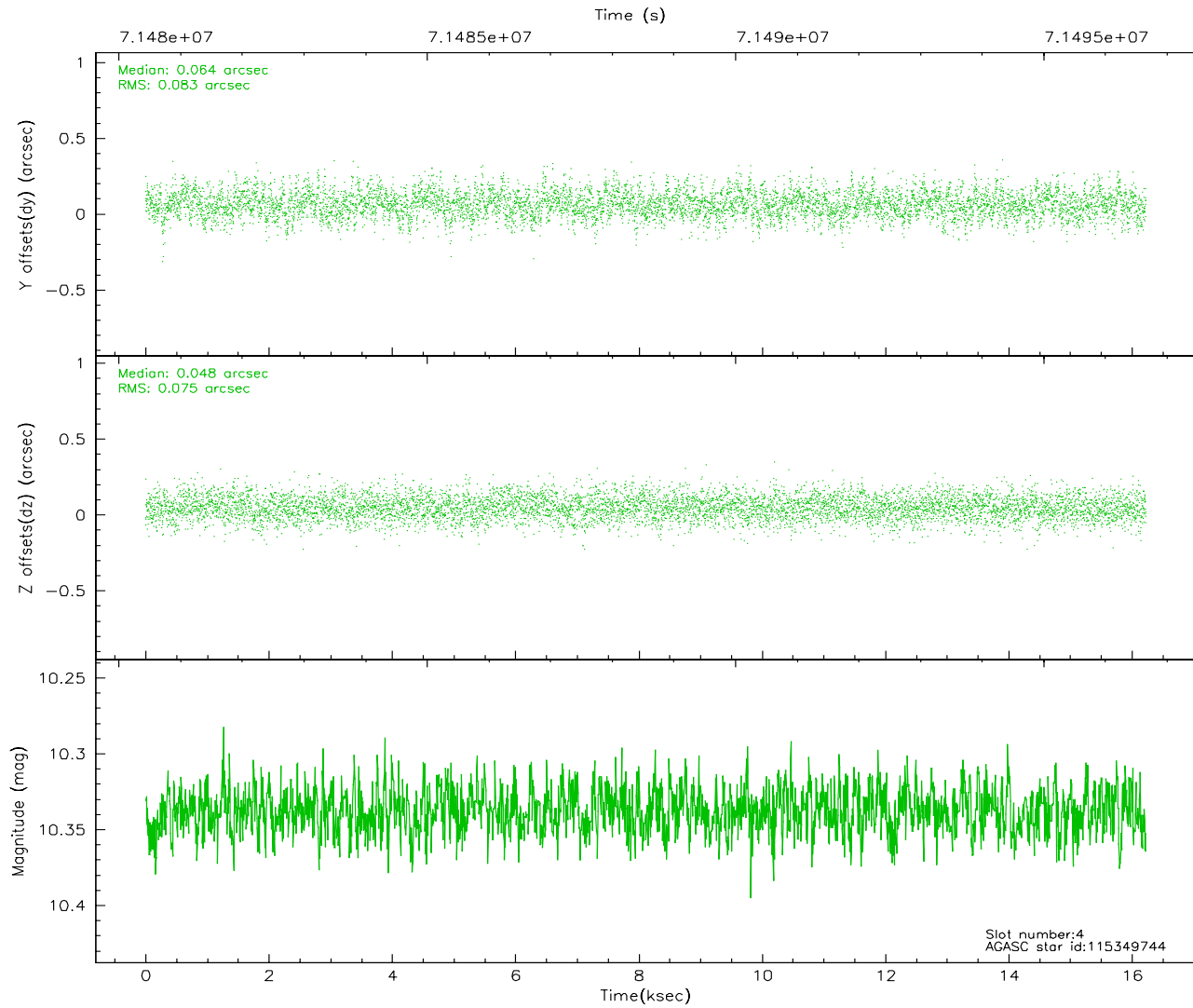
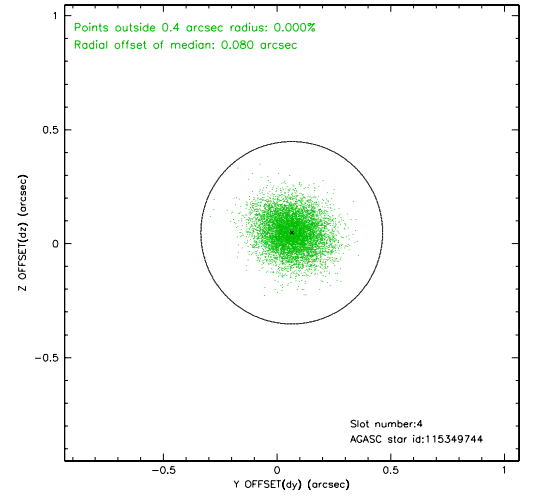
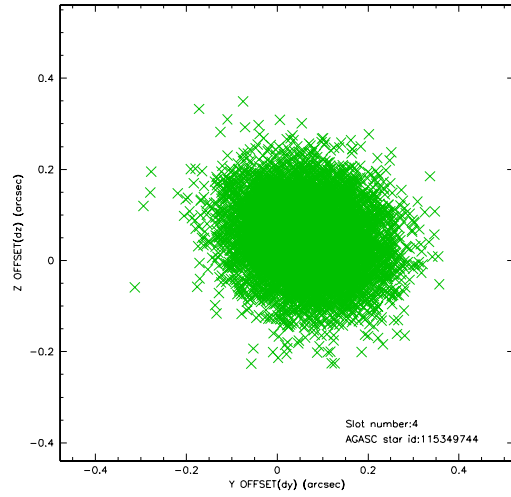
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.15	3958	0.078	0.178	0.007	0.011	0.000000	0.000000	-753.72	-1482.52
1	FID	ACIS-S-4	7.24	3958	-0.067	-0.085	0.005	0.009	0.000000	0.000000	2159.44	425.28
2	FID	ACIS-S-5	6.97	3958	-0.042	-0.083	0.007	0.011	0.000000	0.000000	-1806.19	419.56
3	GUIDE	115348424	9.51	7912	-0.121	-0.026	0.110	0.179	187.199498	13.087929	-2246.80	758.17
4	GUIDE	115349744	10.34	7904	0.064	0.048	0.119	0.194	186.878186	12.752529	-697.11	1330.34
5	GUIDE	115215984	9.98	7907	0.057	-0.025	0.112	0.182	186.134733	12.875031	1433.08	-240.85
6	BAD	115215968	10.24	7906	-2548.859	133.169	0.131	0.212	186.327588	13.159527	-2182.04	-715.47
7	BAD	115347400	10.19	7909	2548.783	-133.146	0.135	0.221	186.994146	13.445598	366.39	-848.73

2.4 Star Slots

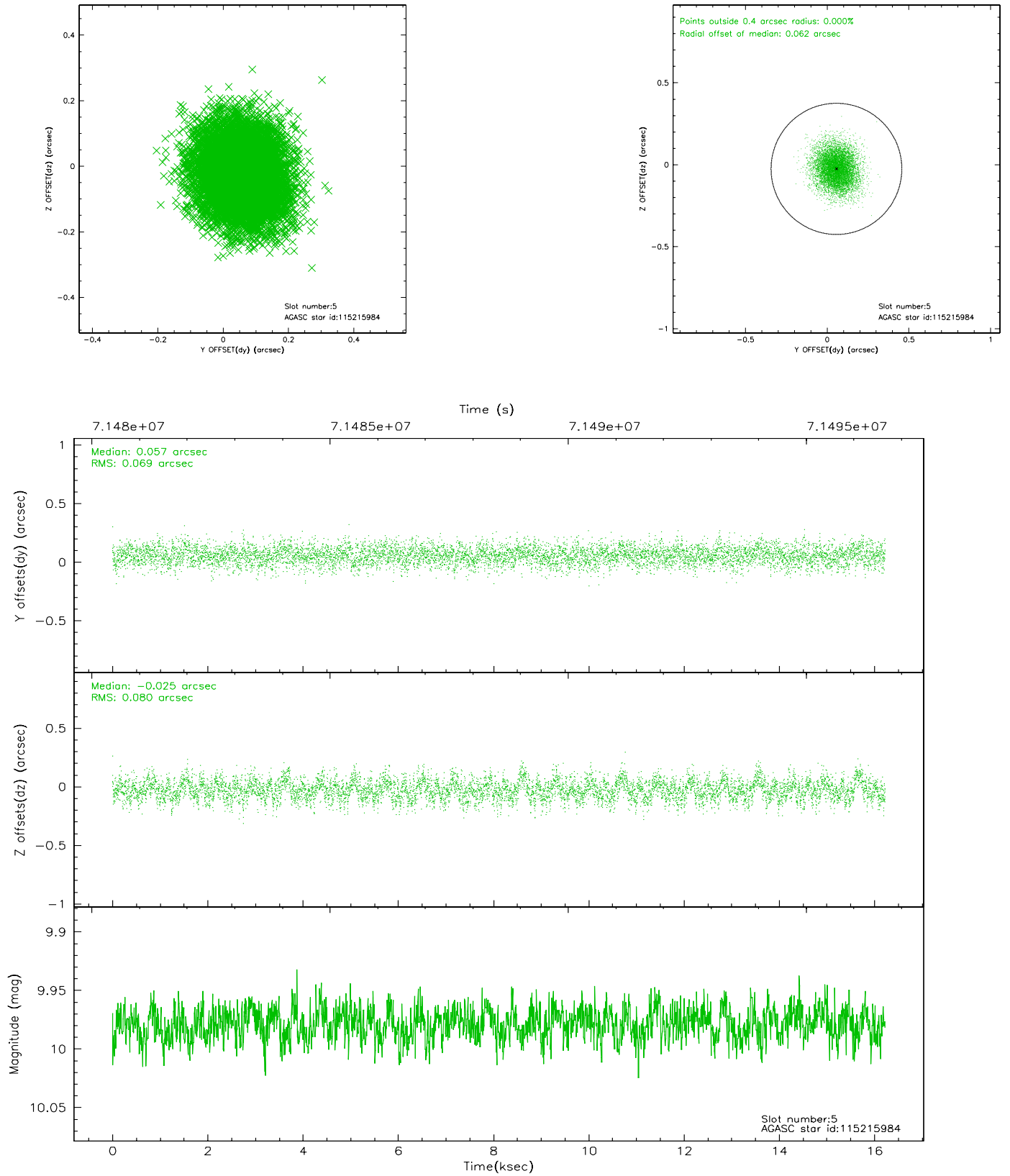
2.4.1 Slot 3



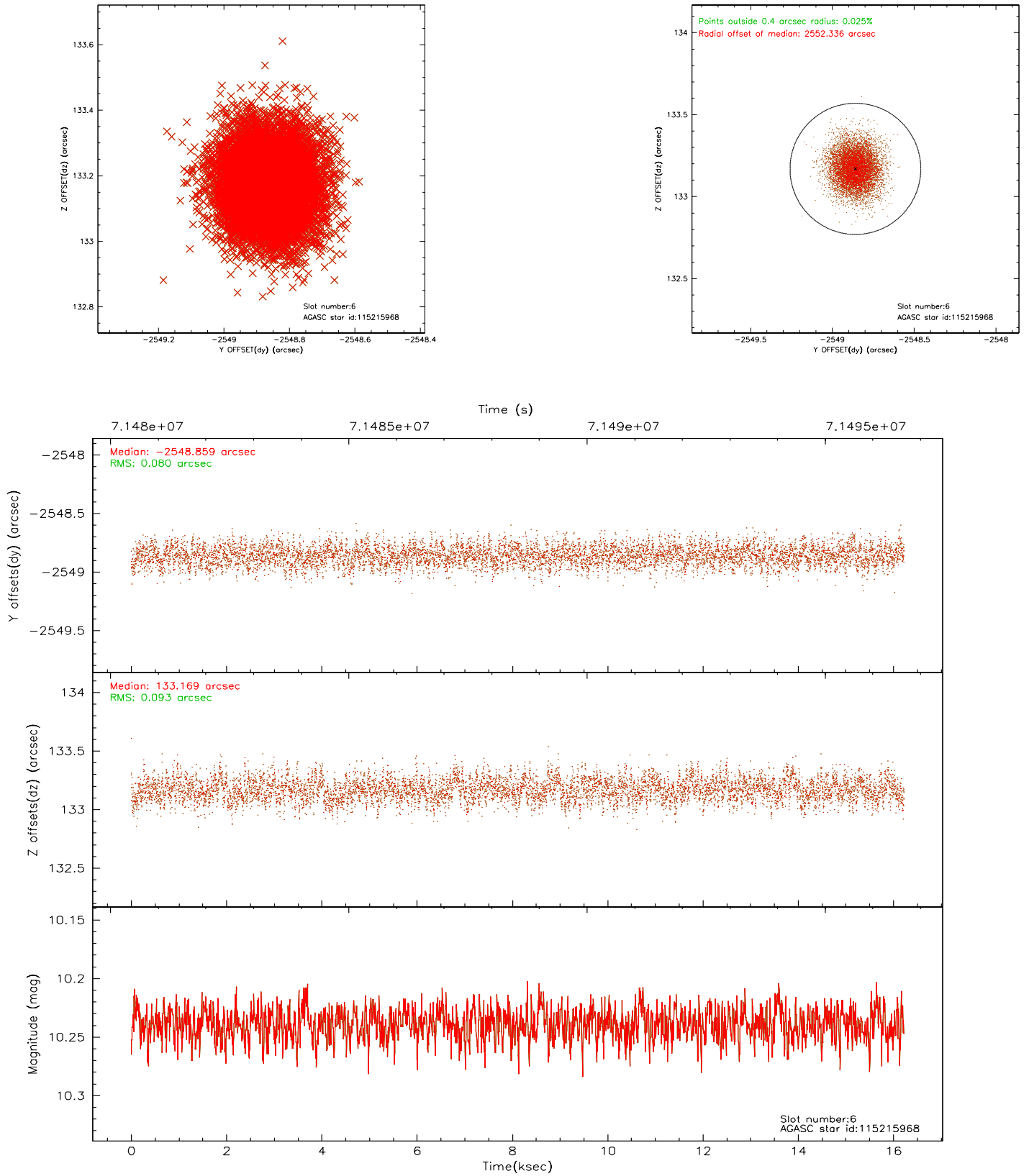
2.4.2 Slot 4



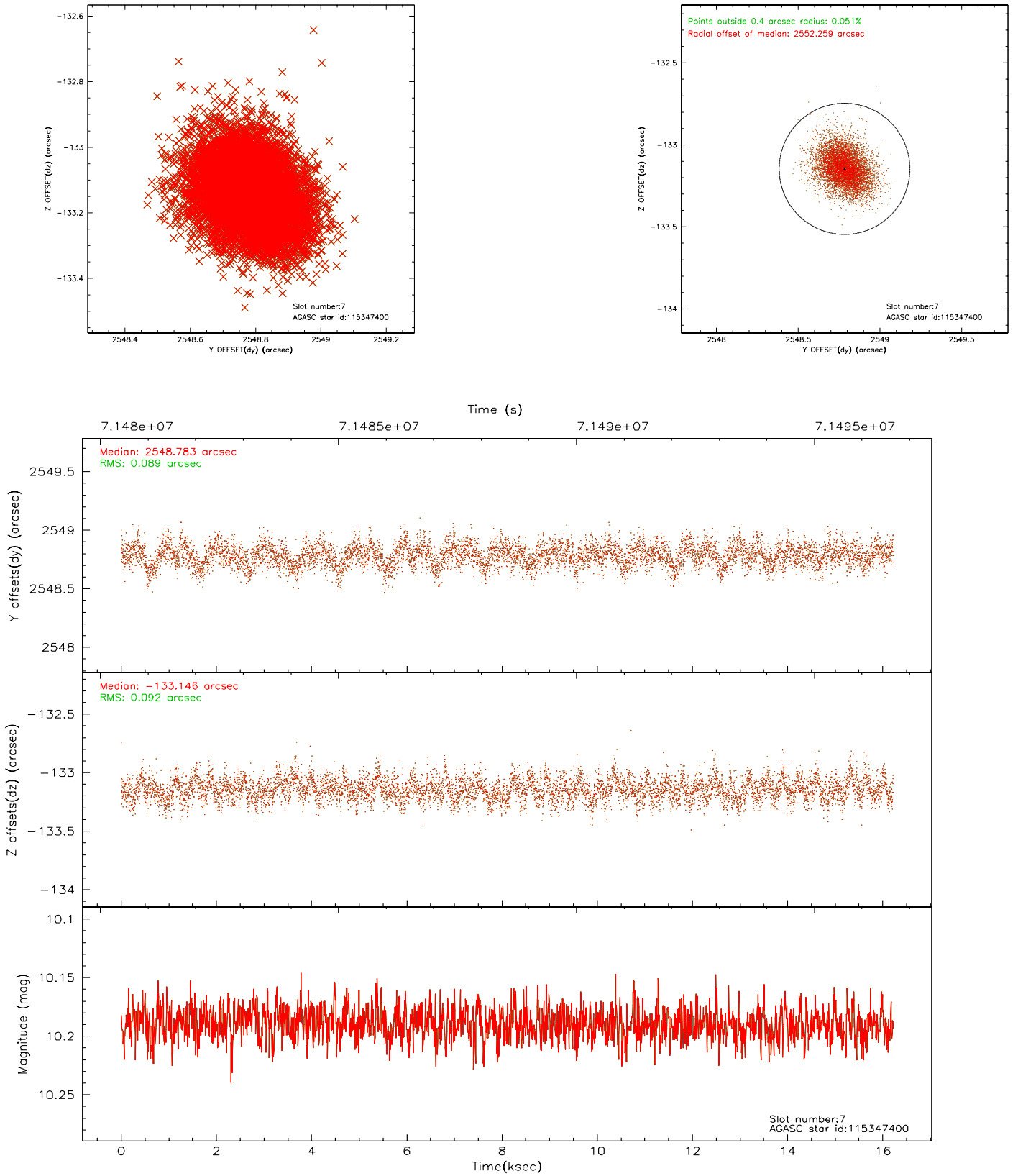
2.4.3 Slot 5



2.4.4 Slot 6

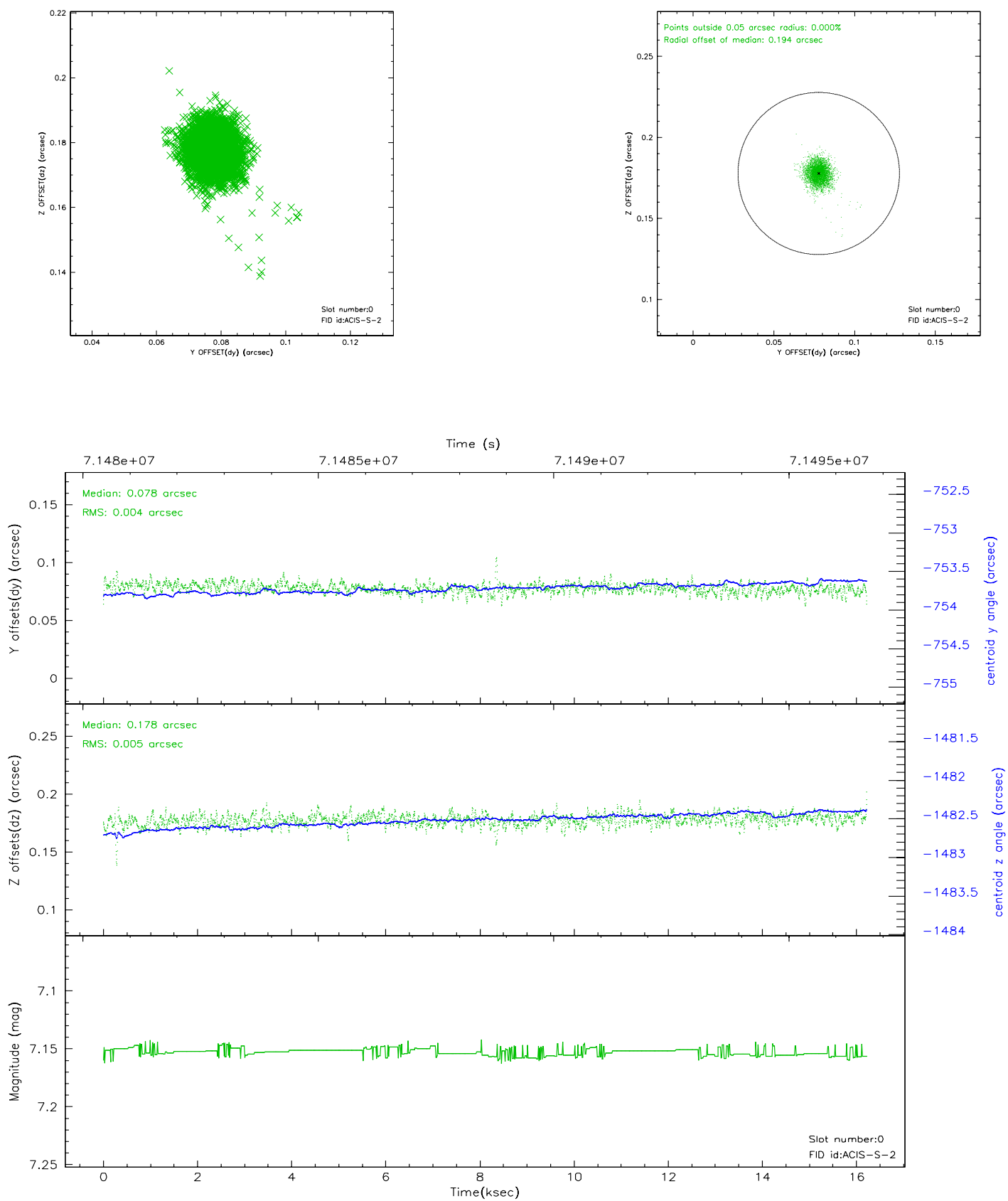


2.4.5 Slot 7

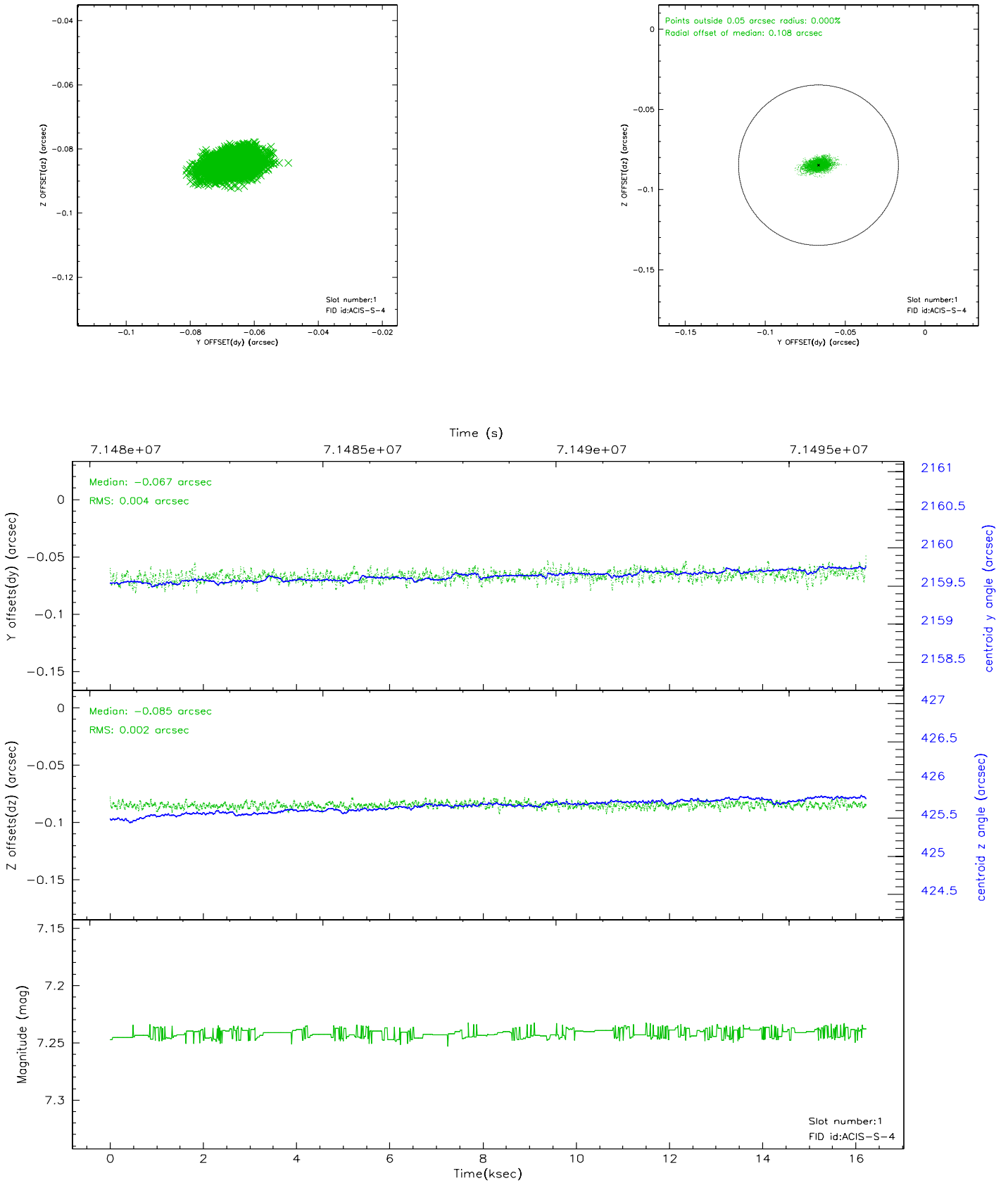


2.5 FID Slots

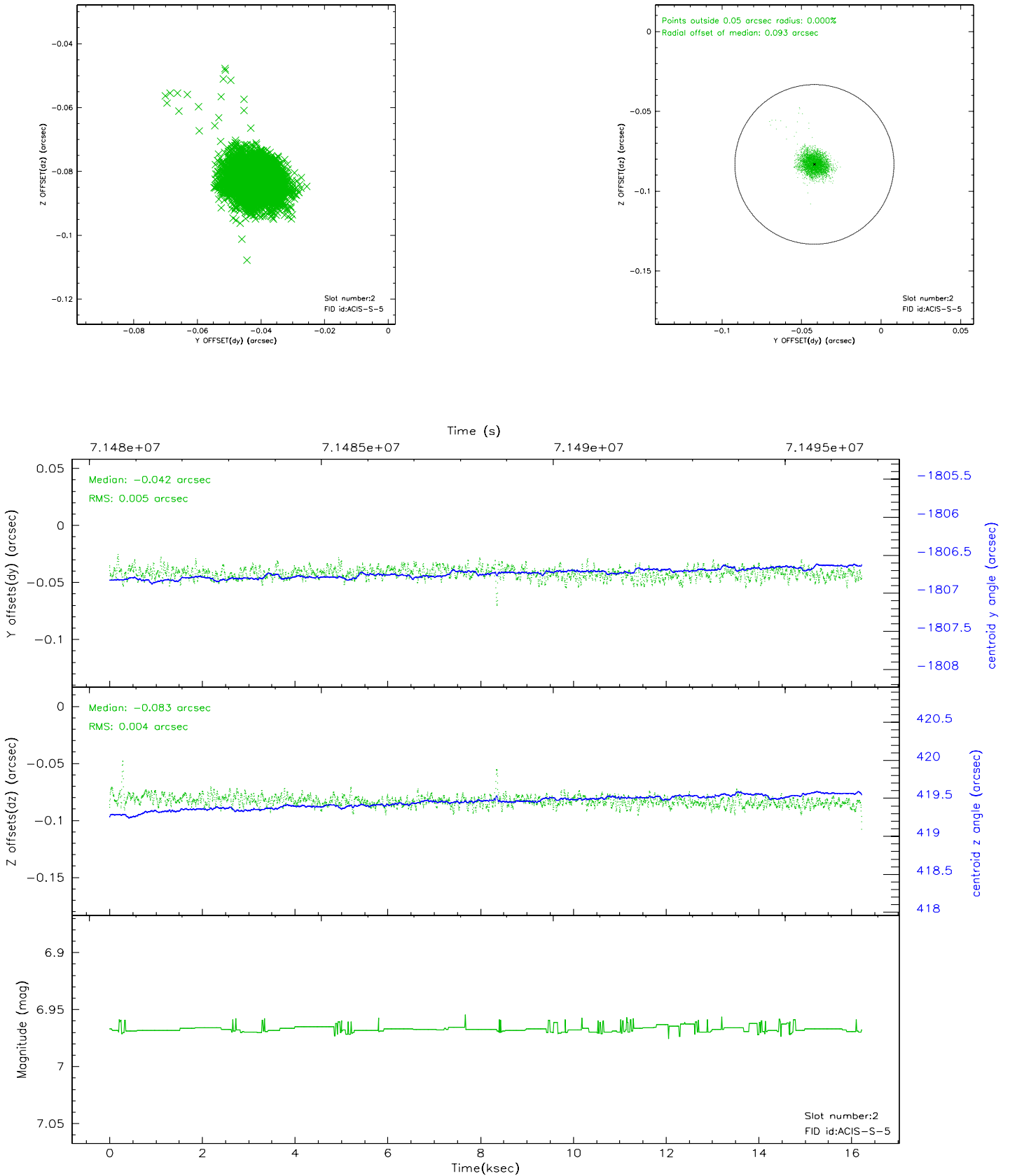
2.5.1 Slot 0



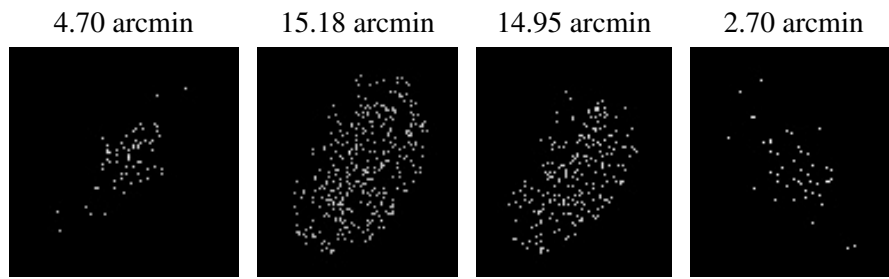
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.05.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	14.819

A.2 Comments

The guide stars in slots 6 and 7 were excluded from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing these slots from the solution.