

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4631 - L2 Version 001
Chandra X-Ray Center

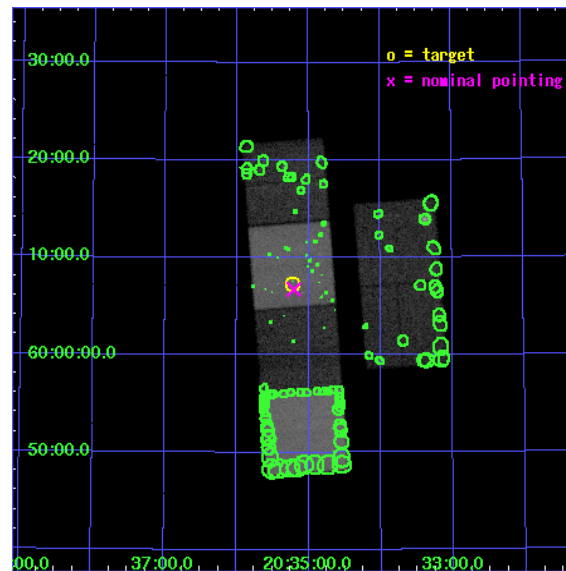
L2 Processing Date : Apr 13 2006

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1 Front

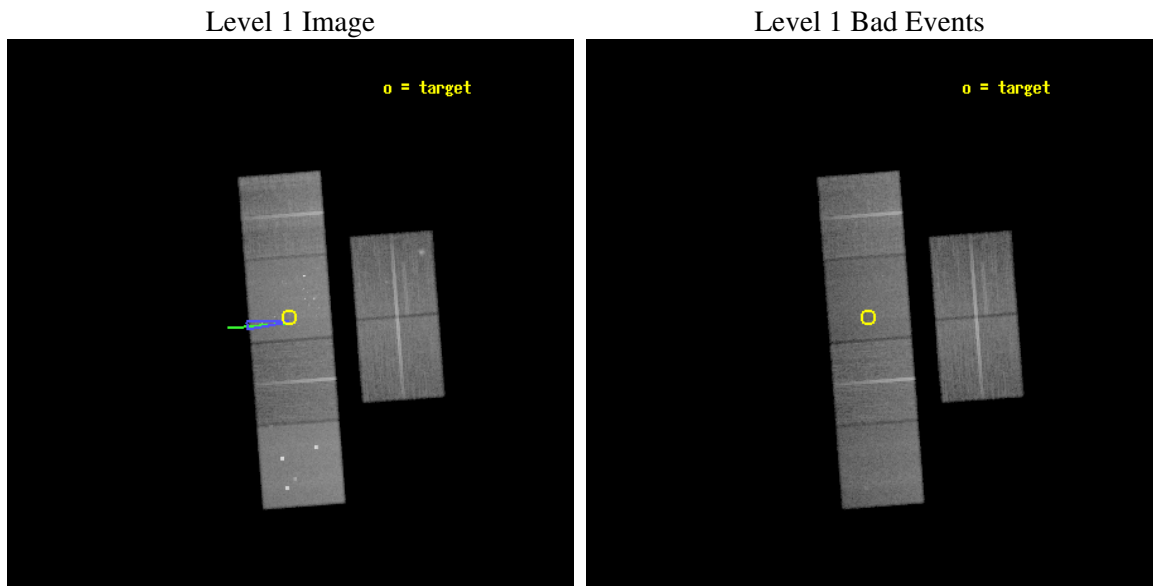
seq_num	500456
obs_id	4631
title	Prompt Chandra Observations of Nearby Supernovae
observer	Prof. Walter Lewin
object	SN 2004et
dtcycle	0
cycle	P
ra_targ	308.805833
dec_targ	60.121556
ra_nom	308.80099112755
dec_nom	60.112195062584
roll_nom	265.59431067195
revision	2
ontime	30121.599887788
livetime	29740.182052959
ontime2	30121.599887788
ontime3	30121.599887788
ontime5	30121.599887788
ontime6	30121.599887788
ontime7	30121.599887788
ontime8	30121.599887788
l2events	383942



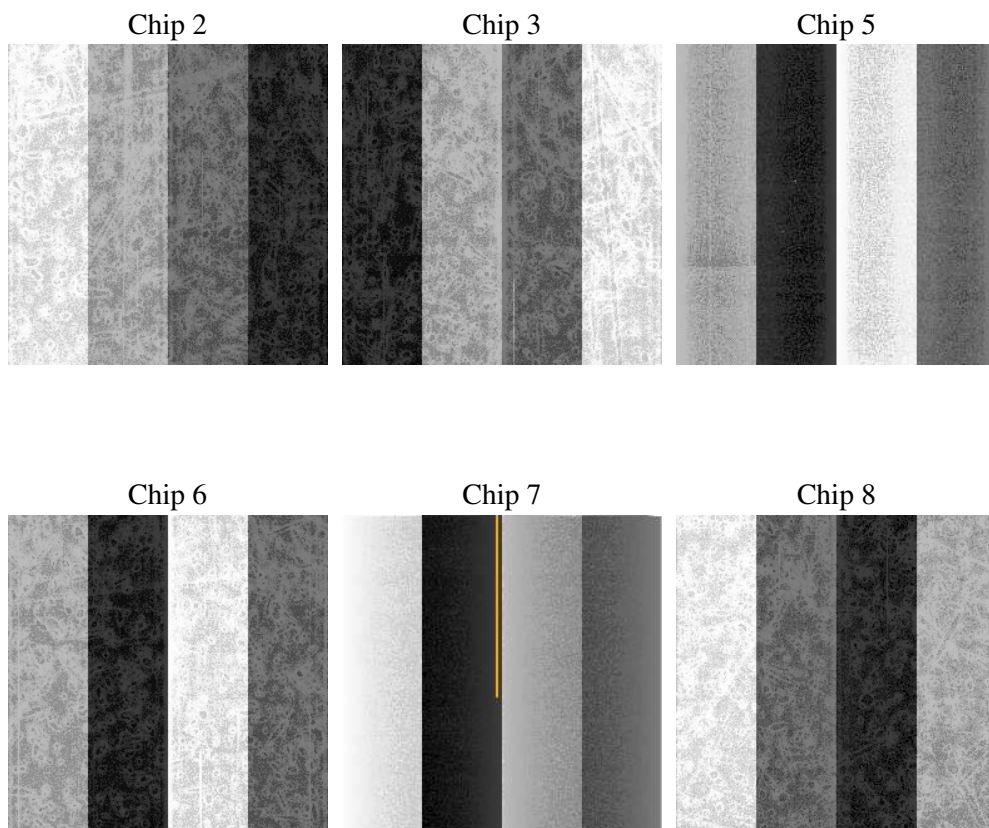
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-13T08:51:30
revision	2

sched_exp_time	30000.000000
ontime	30128.372419208
ontime2	30128.372419208
ontime3	30128.372419208
ontime5	30128.372419208
ontime6	30128.372419208
ontime7	30128.372419208
ontime8	30128.372419208
l1events	1747056

2.1.4 Events

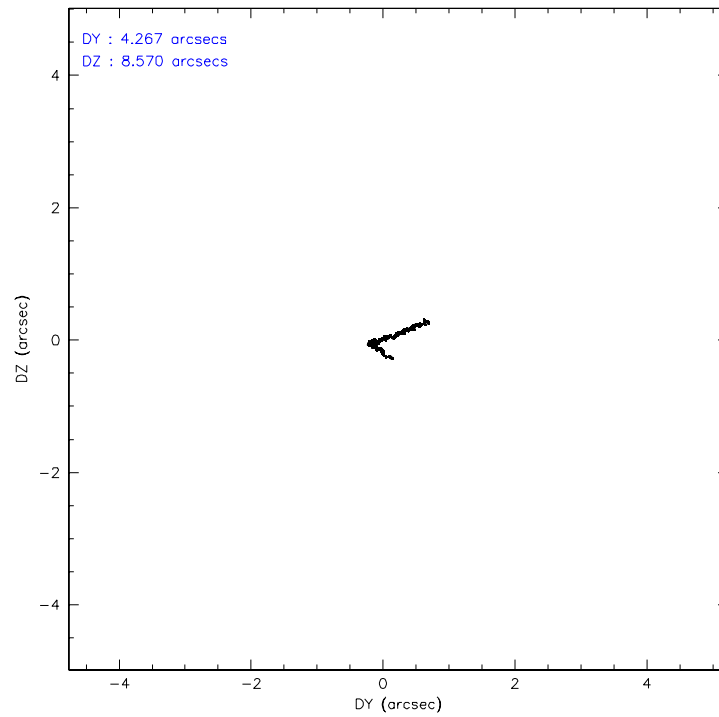
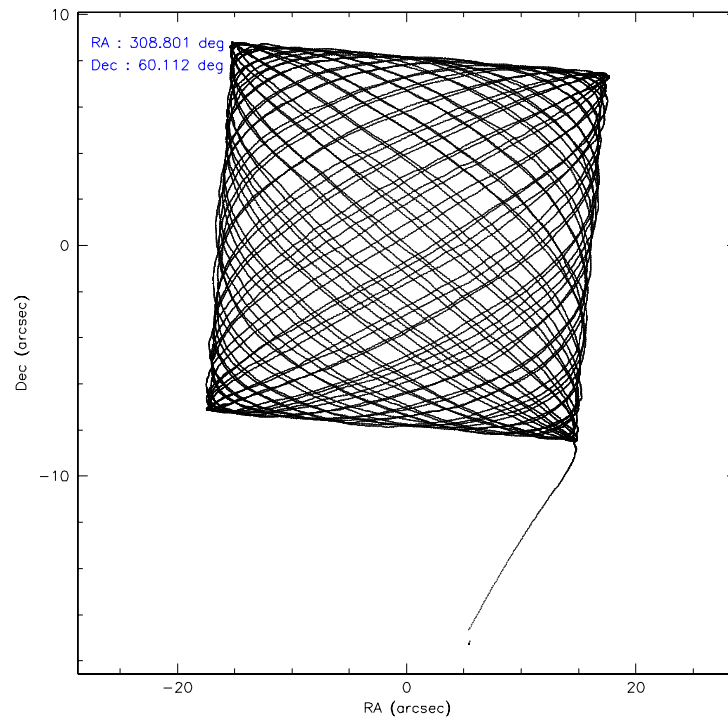
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	249347	237551	376106	245506	333853	304693
rejected events	220726	207457	202328	216720	201098	240528
rejected %	88%	87%	53%	88%	60%	78%

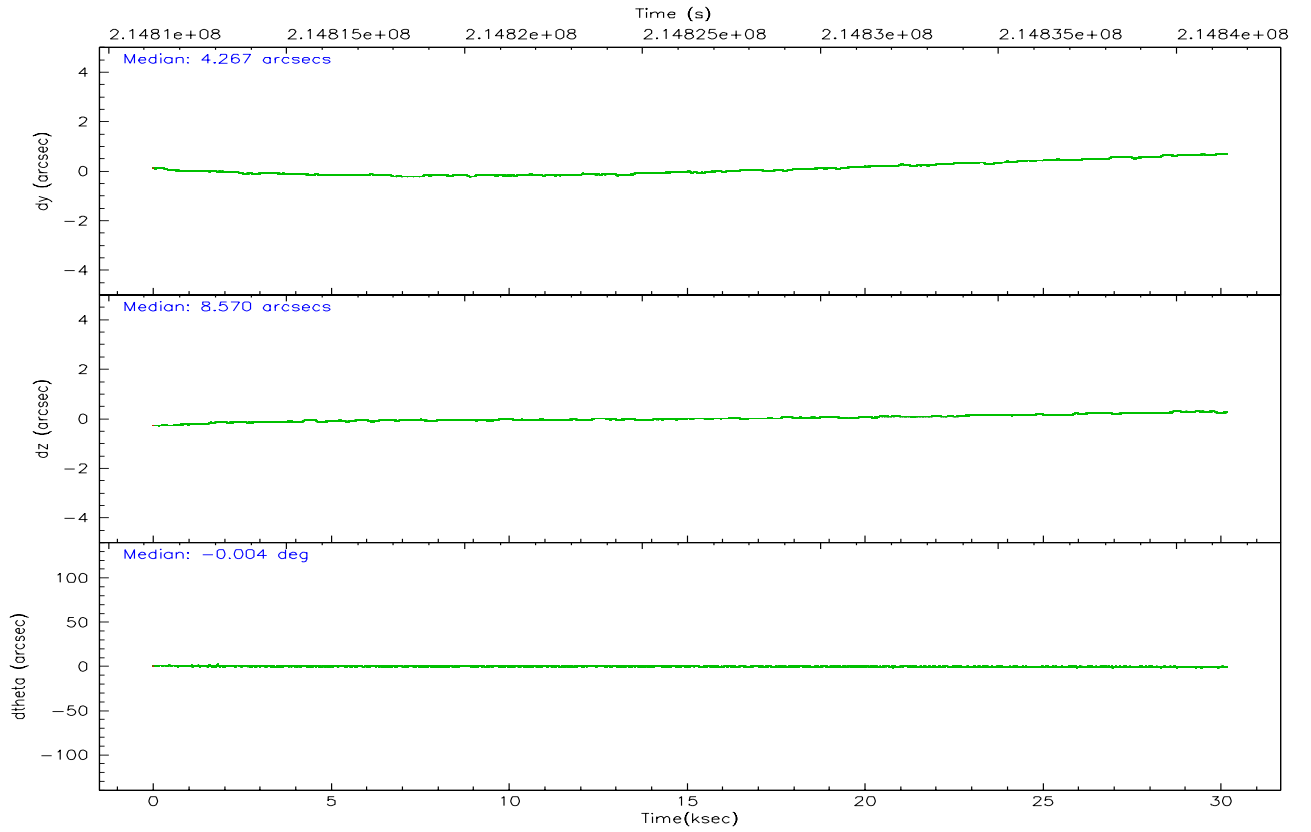
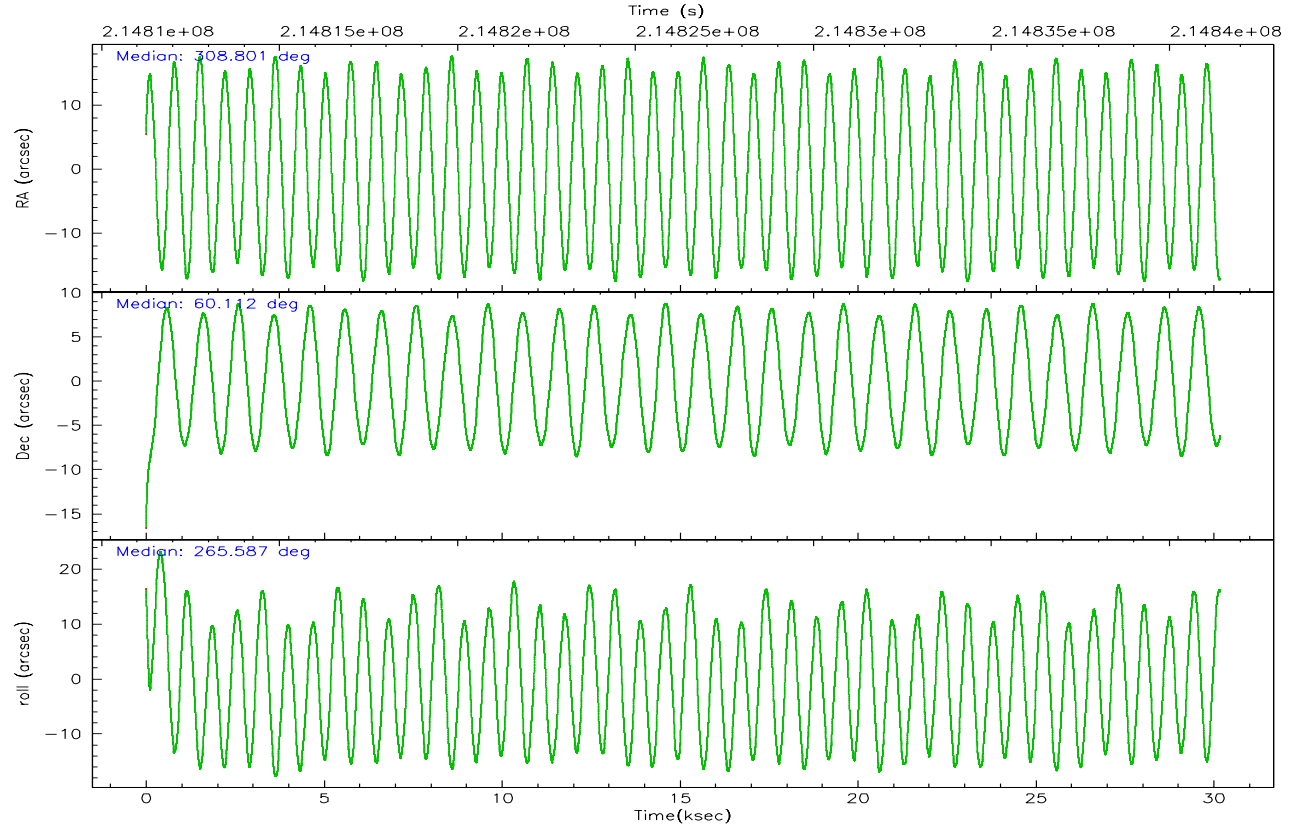
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12537	13926	25274	11394	9242	20263
	5%	5%	6%	4%	2%	6%
grade 1 events	162	155	513	109	210	219
	0%	0%	0%	0%	0%	0%
grade 2 events	5892	5570	50365	6055	33751	14084
	2%	2%	13%	2%	10%	4%
grade 3 events	2694	2781	3233	2730	6955	6676
	1%	1%	0%	1%	2%	2%
grade 4 events	2791	2877	3196	2726	6815	6291
	1%	1%	0%	1%	2%	2%
grade 5 events	9562	10724	17108	11192	21156	14175
	3%	4%	4%	4%	6%	4%
grade 6 events	4714	4950	91743	5892	76026	16855
	1%	2%	24%	2%	22%	5%
grade 7 events	210995	196568	184674	205408	179698	226130
	84%	82%	49%	83%	53%	74%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	308.776691	308.8009911275509	Alternating exposures requested	N	N
Pointing Dec	60.136588	60.11219506258428	Primary exposure time	0.000000	3.2
Pointing Roll	265.458743	265.5943106719507			
Roll angle	265.000000	265.000000			
Roll tolerance	5.000000	5.000000			
Roll constraint allows 180D rotation	N	N			
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	214811425.184000	214810380.13729			
Observation start date	2004-10-22T05:49:21	2004-10-22T05:33:00			
Observation end time	214841425.184000	214843227.80127			
Observation end date	2004-10-22T14:09:21	2004-10-22T14:40:27			
Read mode	TIMED	TIMED			

2.3 Aspect



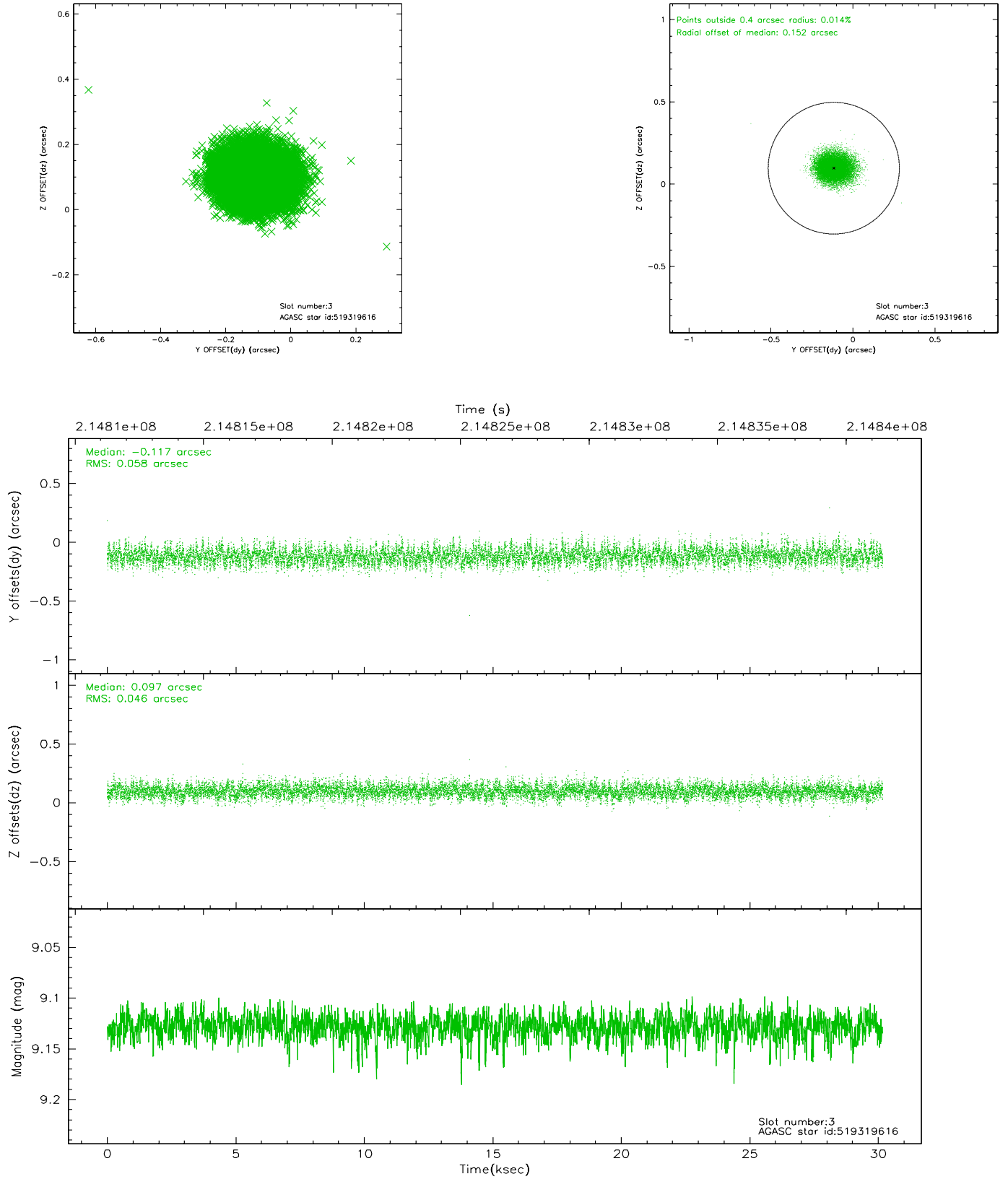


Slot Statistics

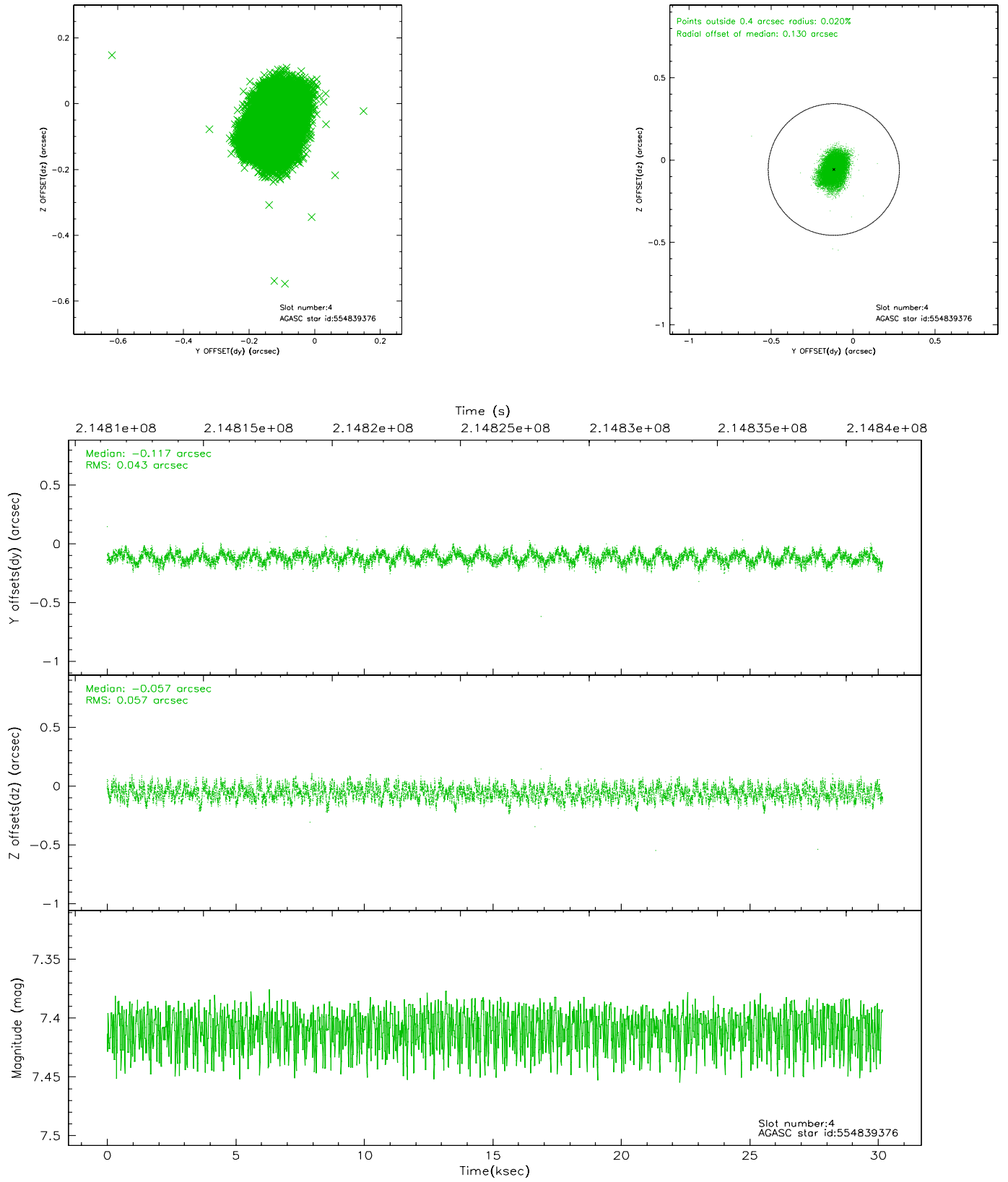
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7362	-0.031	-0.034	0.009	0.015	0.000000	0.000000	-757.08	-1729.83
1	FID	ACIS-S-4	7.20	7363	0.072	0.024	0.010	0.019	0.000000	0.000000	2156.28	178.62
2	FID	ACIS-S-5	7.23	7361	-0.073	0.018	0.007	0.012	0.000000	0.000000	-1809.87	172.39
3	GUIDE	519319616	9.13	14701	-0.117	0.097	0.078	0.128	308.290973	59.595846	2007.63	-727.82
4	GUIDE	554839376	7.41	14719	-0.117	-0.057	0.077	0.120	308.018563	60.422364	-925.79	-1425.02
5	GUIDE	556537192	9.20	14715	-0.049	-0.044	0.086	0.140	309.975880	60.344309	-934.06	2068.36
6	GUIDE	519320296	9.08	14715	0.166	0.023	0.109	0.171	308.366901	59.489372	2380.09	-561.75
7	GUIDE	519309304	8.67	14682	0.119	-0.018	0.076	0.126	309.978425	59.702936	1363.98	2297.90

2.4 Star Slots

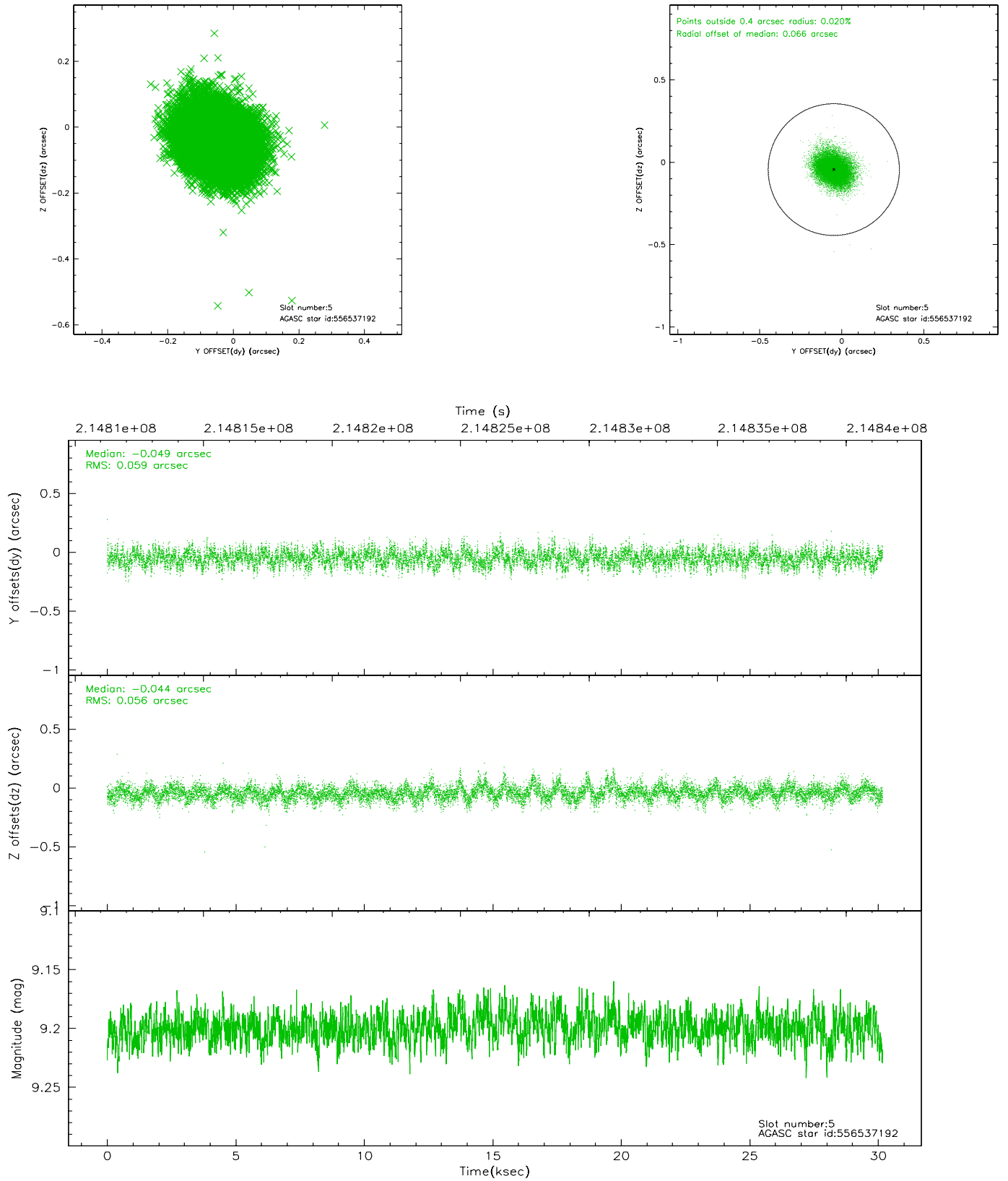
2.4.1 Slot 3



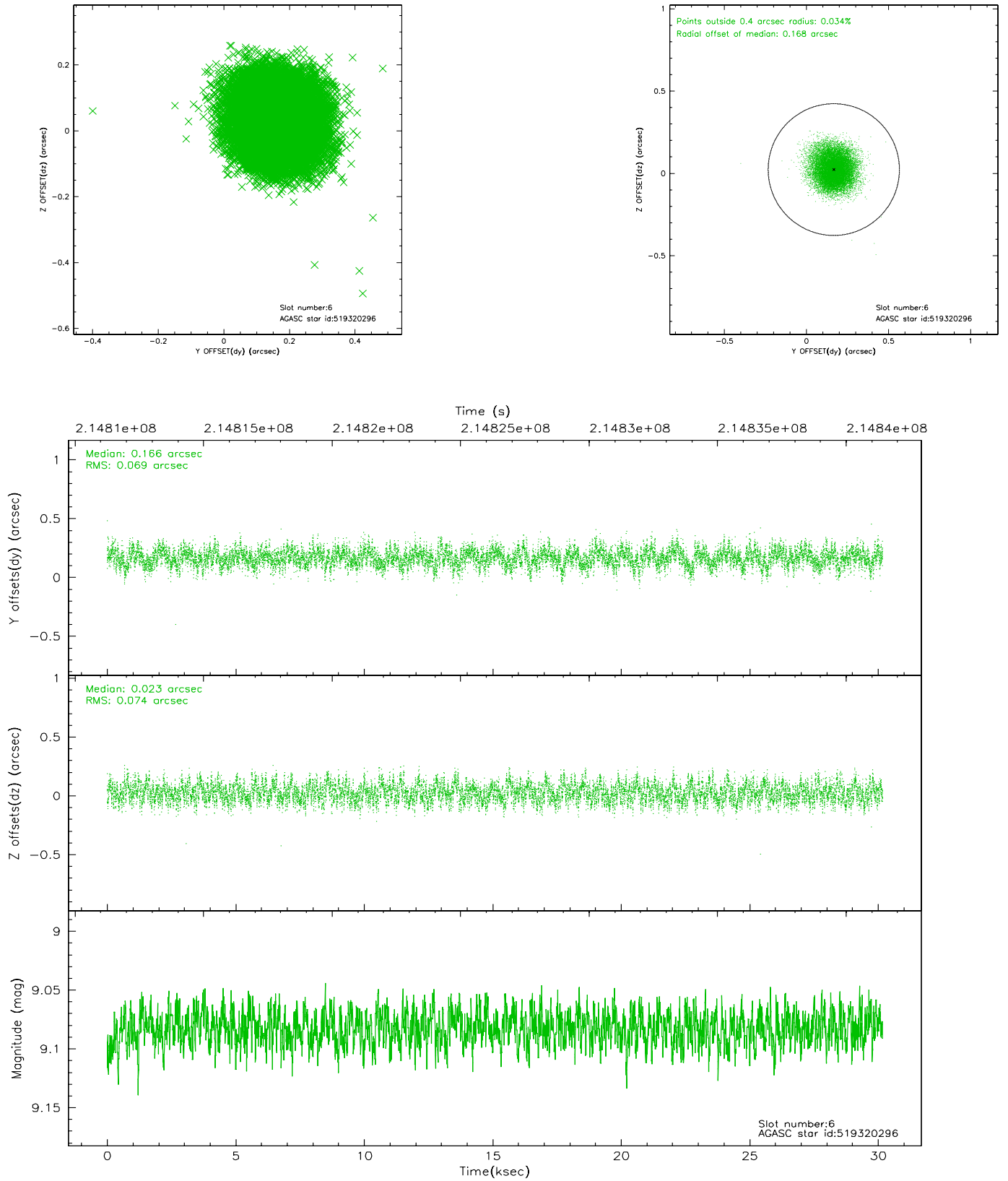
2.4.2 Slot 4



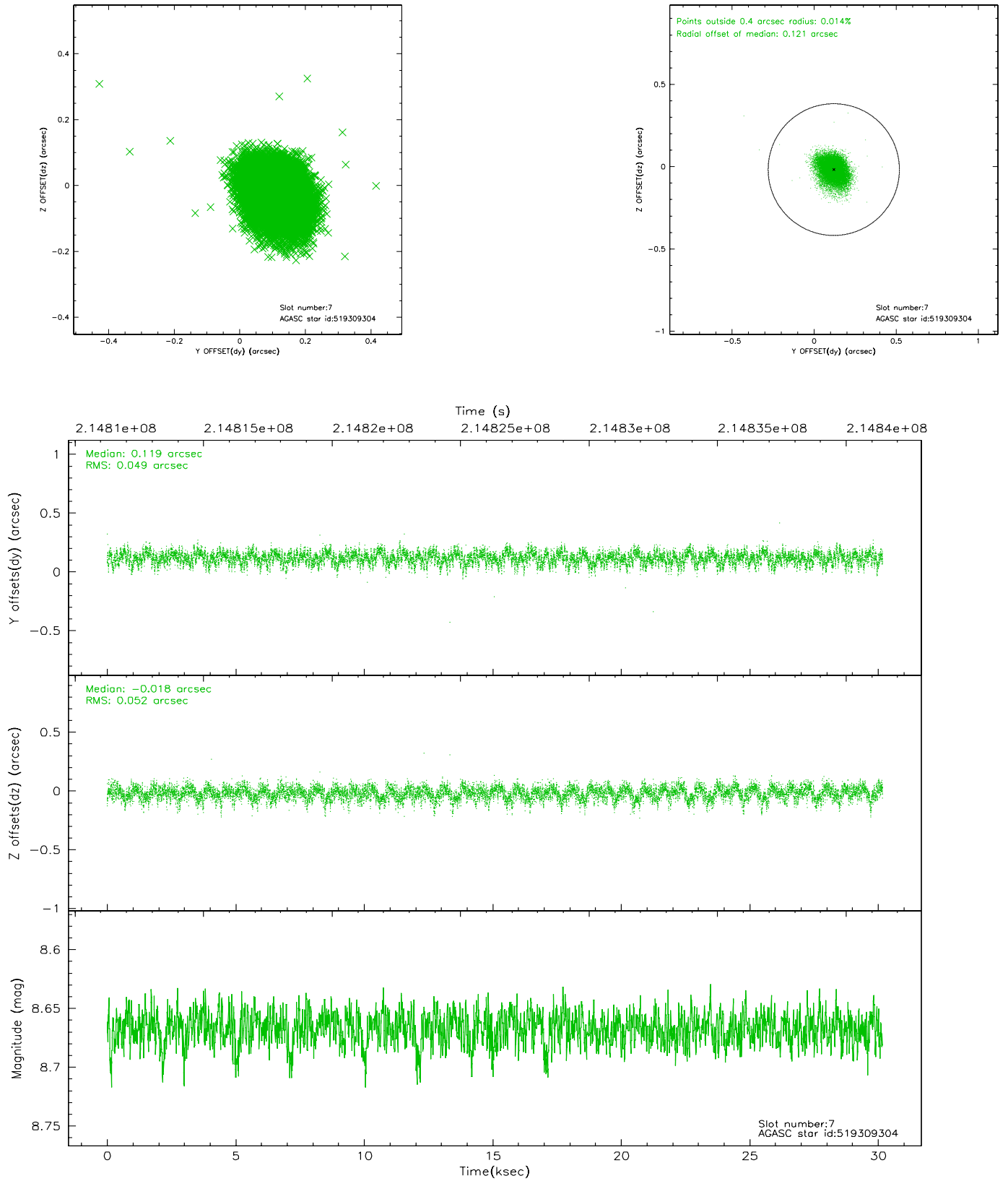
2.4.3 Slot 5



2.4.4 Slot 6

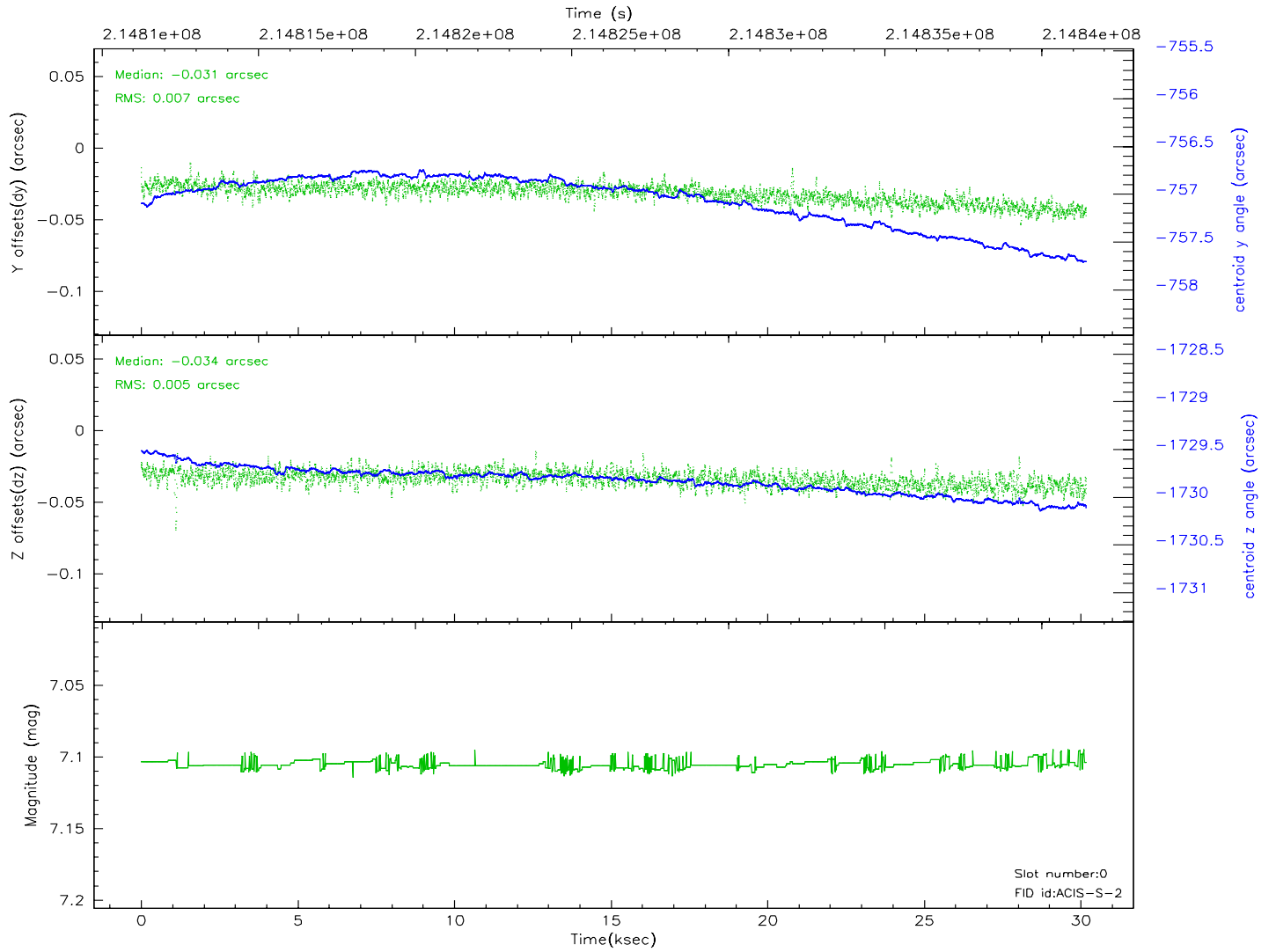
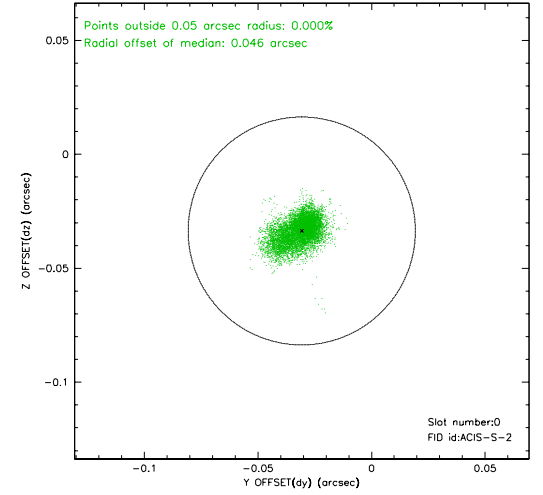
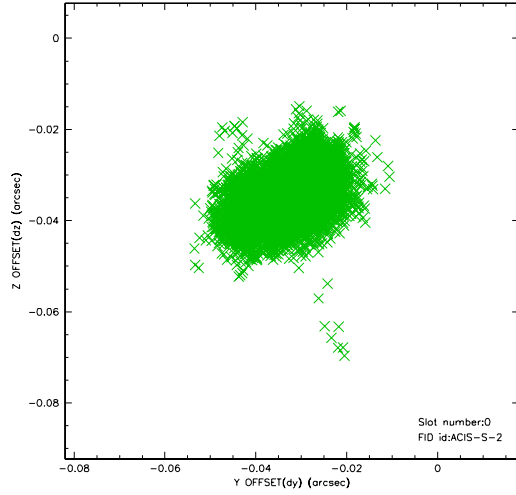


2.4.5 Slot 7

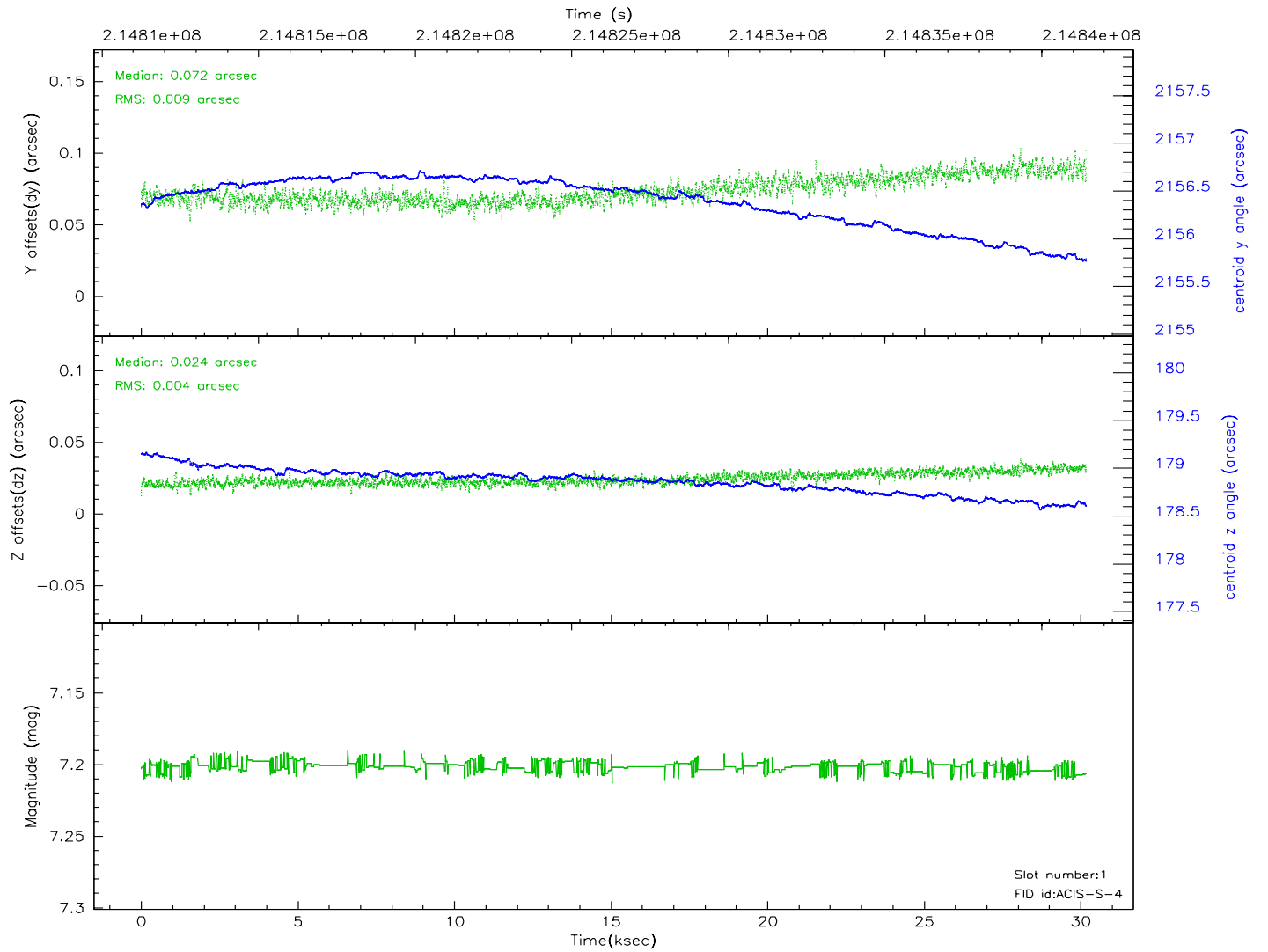
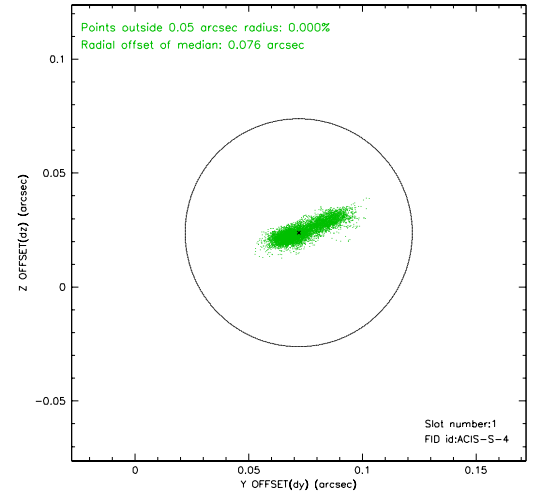
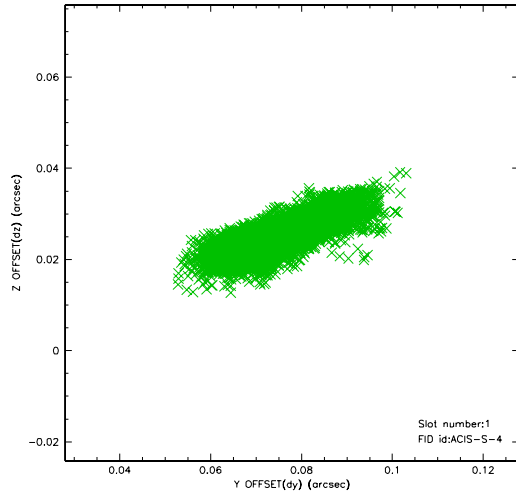


2.5 FID Slots

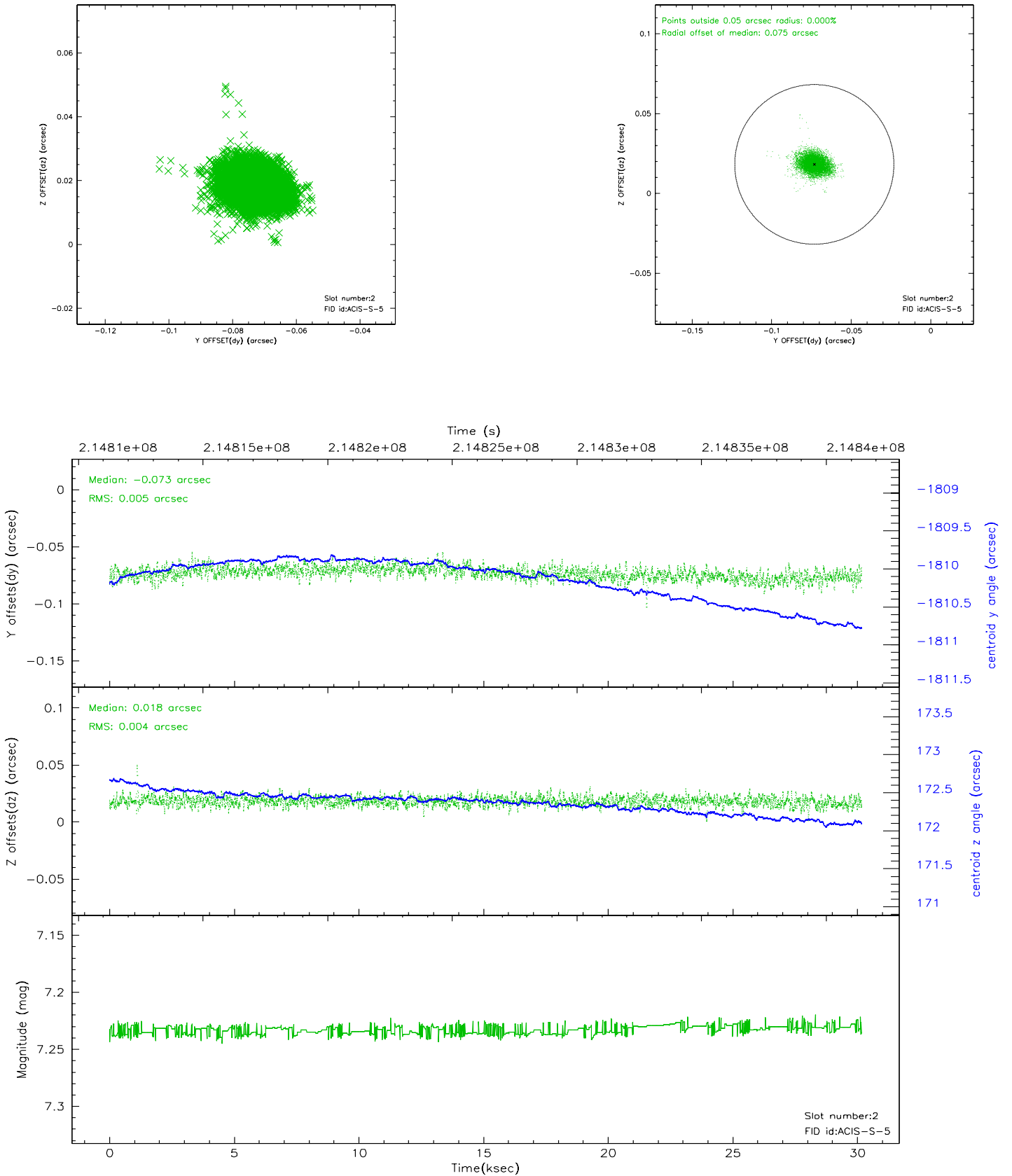
2.5.1 Slot 0



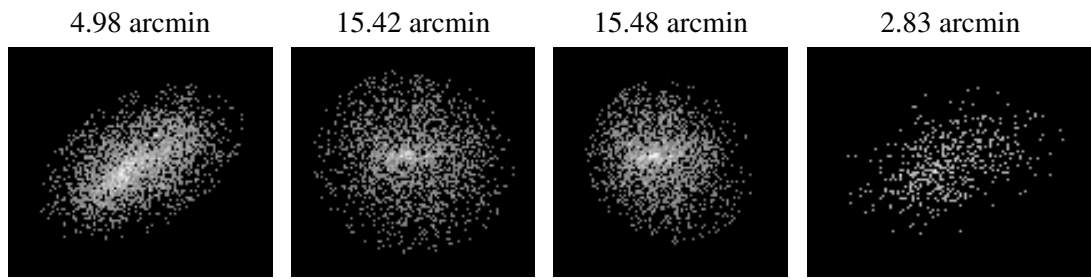
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.121

A.2 Comments

Roll constraint met.