

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3931 - L2 Version 001
Chandra X-Ray Center

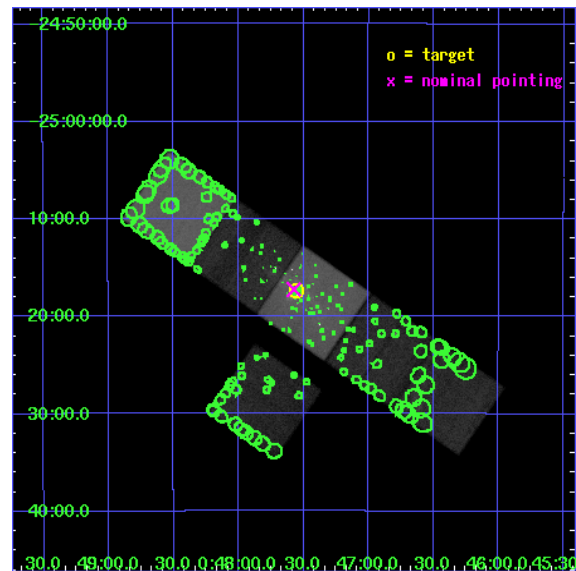
L2 Processing Date : Jul 4 2006

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1 Front

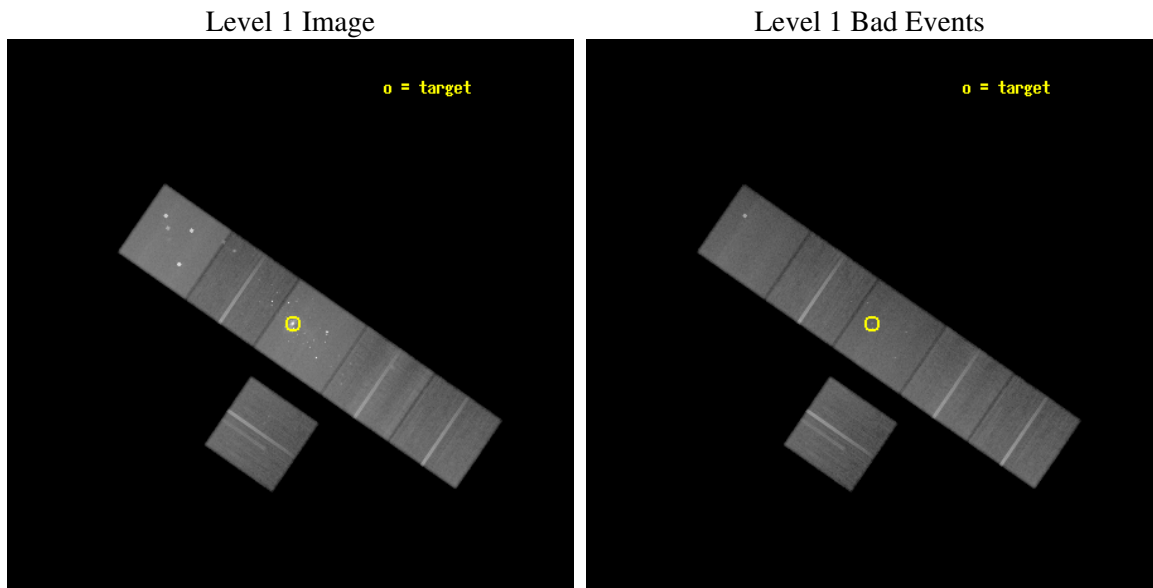
seq_num	600305
obs_id	3931
title	CHANDRA OBSERVATIONS OF THE EVOLVING CORE OF THE STARBURST GALAXY NGC 253
observer	DR. KIMBERLY WEAVER
object	NGC 253
dtcycle	0
cycle	P
ra_targ	11.88875
dec_targ	-25.288333
ra_nom	11.893448691668
dec_nom	-25.287435837982
roll_nom	34.652190566484
revision	2
ontime	83606.399688542
livetime	82547.725113956
ontime3	83606.399688542
ontime5	83606.399688542
ontime6	83606.399688542
ontime7	83606.399688542
ontime8	83606.399688542
ontime9	83606.399688542
l2events	1068039



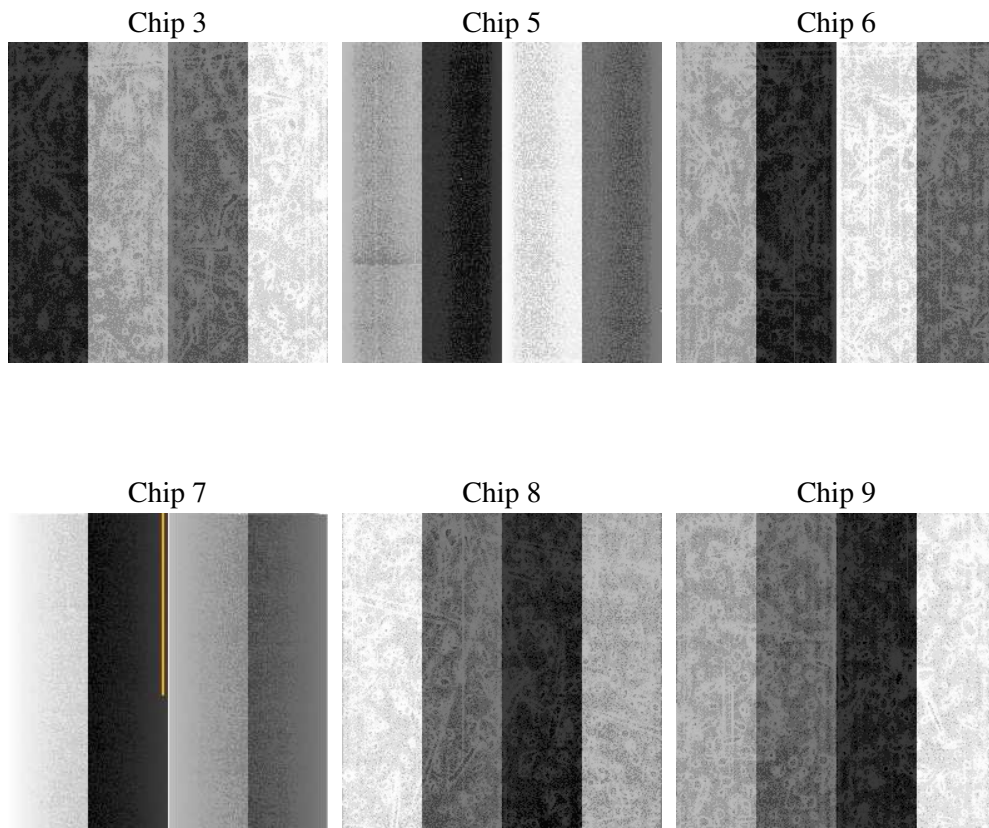
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-04T13:31:14
revision	2

sched_exp_time	83470.000000
ontime	83637.51616776
ontime3	83637.51616776
ontime5	83637.51616776
ontime6	83637.51616776
ontime7	83637.51616776
ontime8	83637.51616776
ontime9	83637.51616776
l1events	4087812

2.1.4 Events

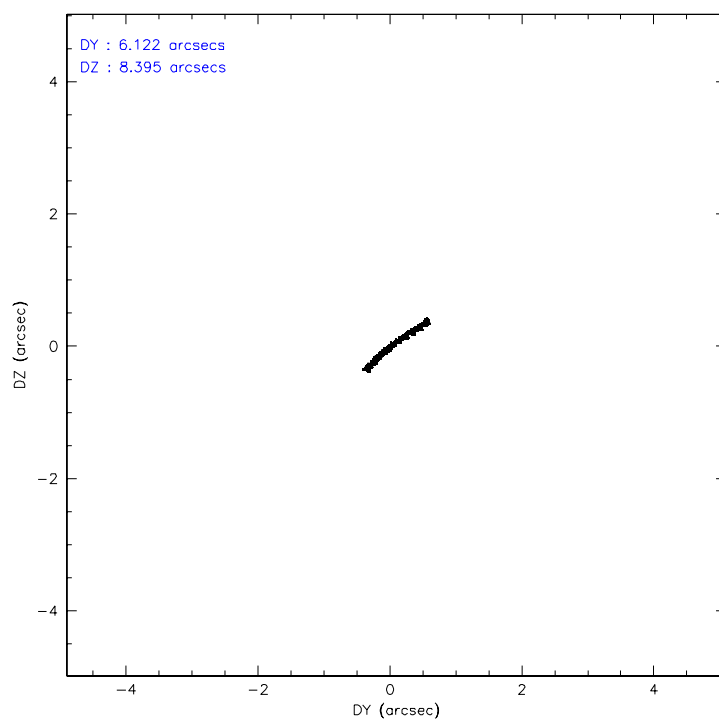
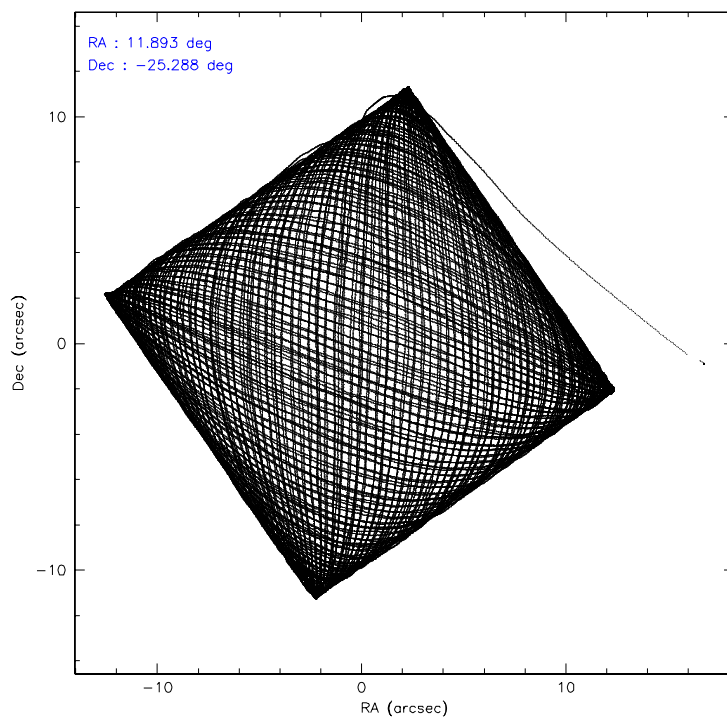
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	522012	879924	559450	873024	687750	565652
rejected events	454147	450623	471482	452669	533536	485705
rejected %	86%	51%	84%	51%	77%	85%

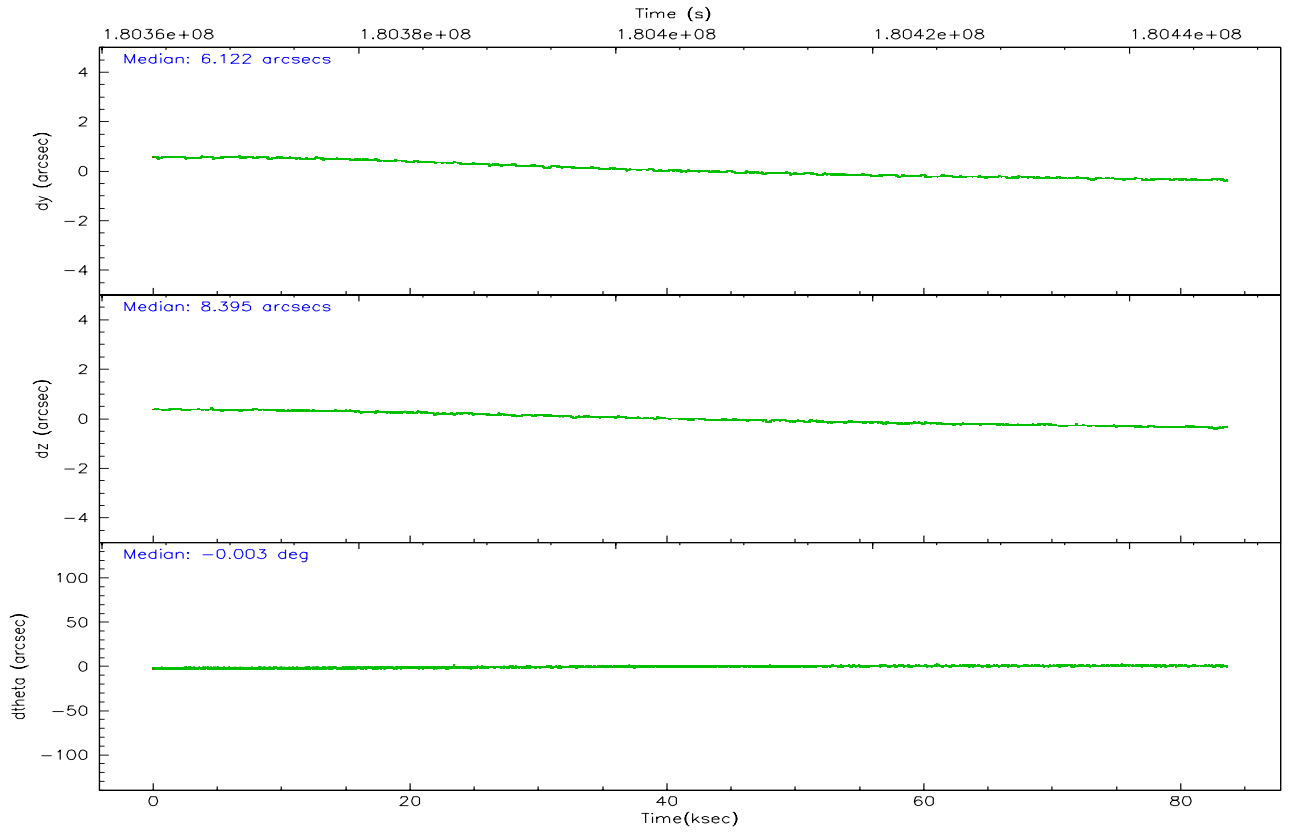
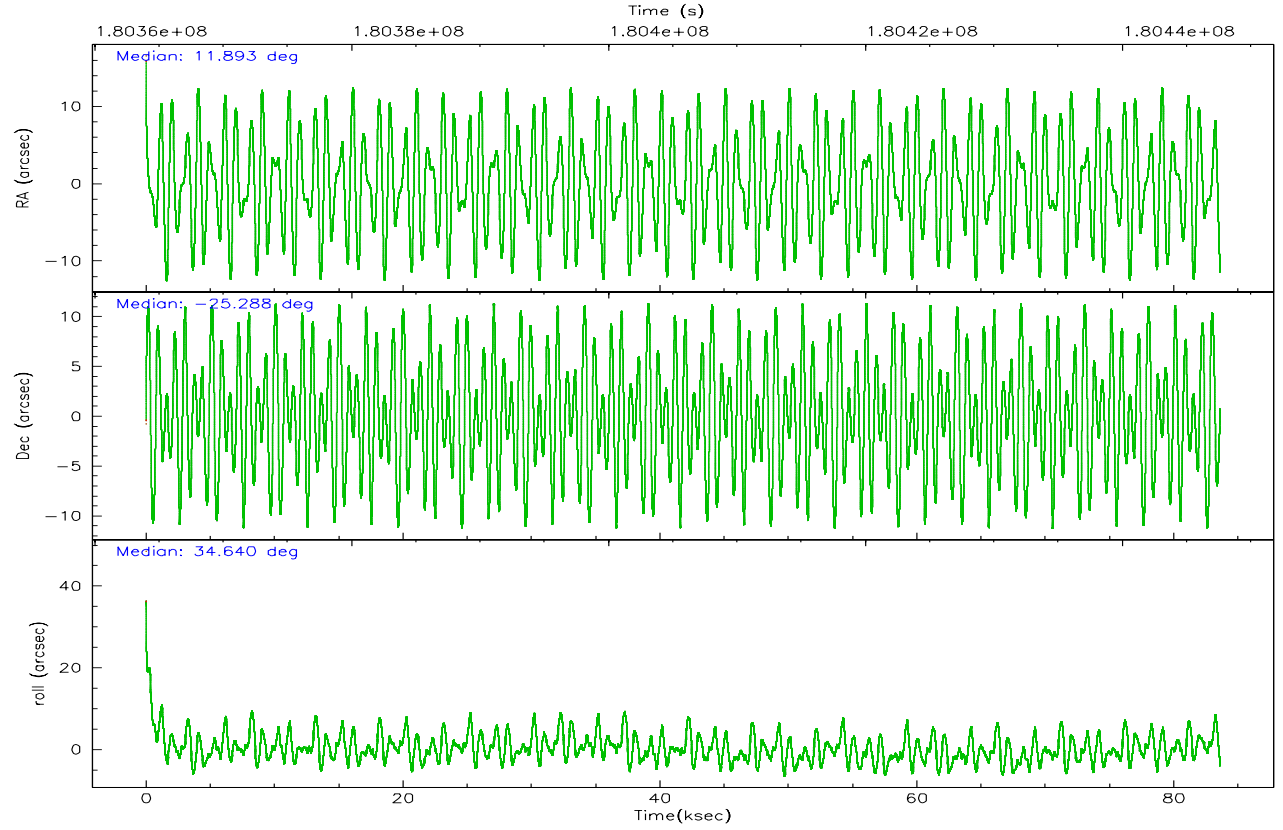
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	31689	67544	44832	50310	56011	38308
	6%	7%	8%	5%	8%	6%
grade 1 events	313	670	344	609	470	388
	0%	0%	0%	0%	0%	0%
grade 2 events	13017	124306	16816	104046	32303	15437
	2%	14%	3%	11%	4%	2%
grade 3 events	6152	9935	6567	27576	15201	6724
	1%	1%	1%	3%	2%	1%
grade 4 events	6181	8956	6567	26700	14387	6554
	1%	1%	1%	3%	2%	1%
grade 5 events	22957	39717	24627	47586	31453	26646
	4%	4%	4%	5%	4%	4%
grade 6 events	10851	218721	13225	211893	36389	12948
	2%	24%	2%	24%	5%	2%
grade 7 events	430852	410075	446472	404304	501536	458647
	82%	46%	79%	46%	72%	81%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-356789	ACIS-356789	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	11.880937	11.89344869166789	Alternating exposures requested	N	N
Pointing Dec	-25.312195	-25.28743583798208	Primary exposure time	0.000000	3.2
Pointing Roll	34.490216	34.65219056648365			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	180364145.184000	180363083.69913			
Observation start date	2003-09-19T13:08:01	2003-09-19T12:51:23			
Observation end time	180447615.184000	180448136.15278			
Observation end date	2003-09-20T12:19:11	2003-09-20T12:28:56			
Read mode	TIMED	TIMED			

2.3 Aspect



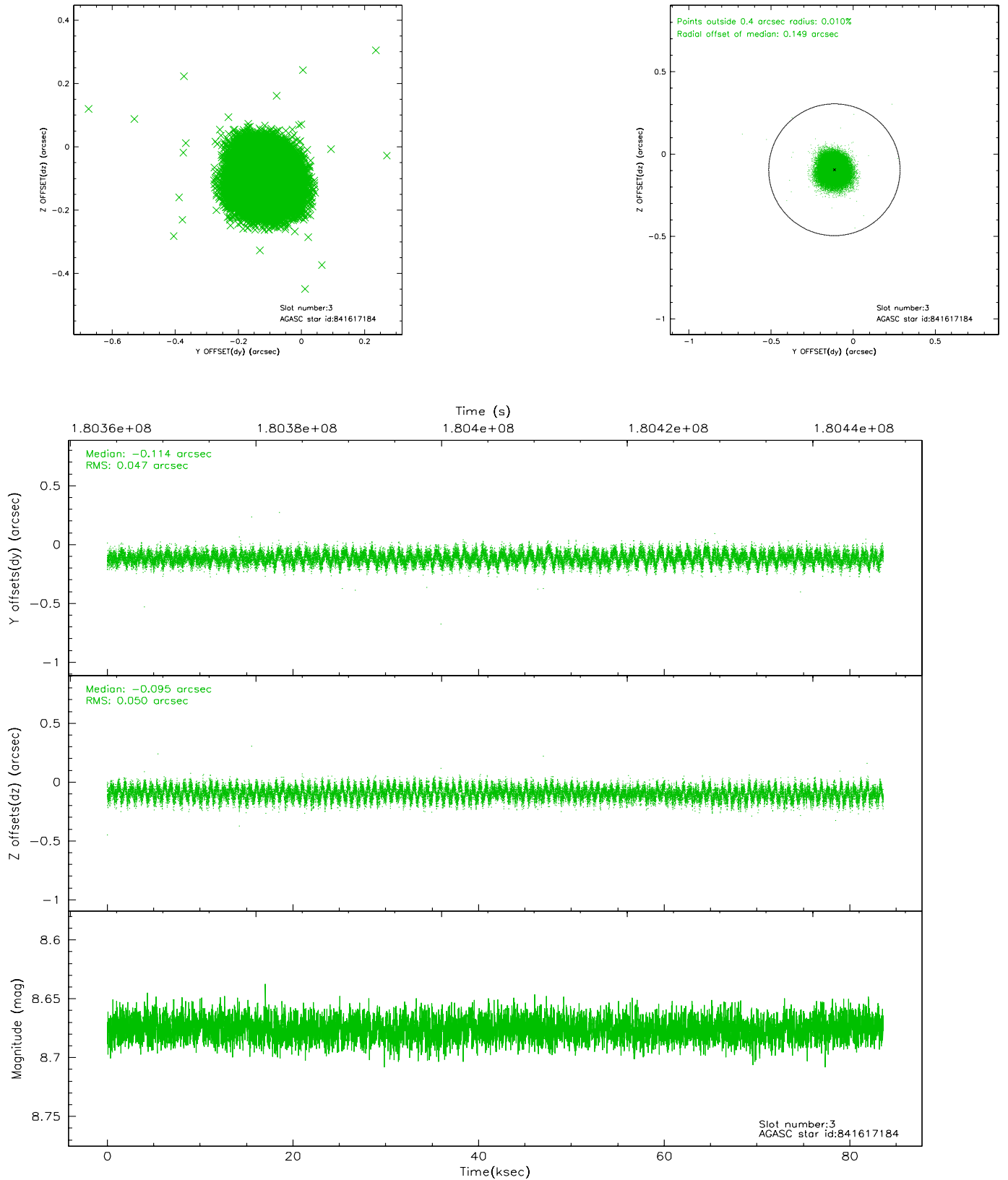


Slot Statistics

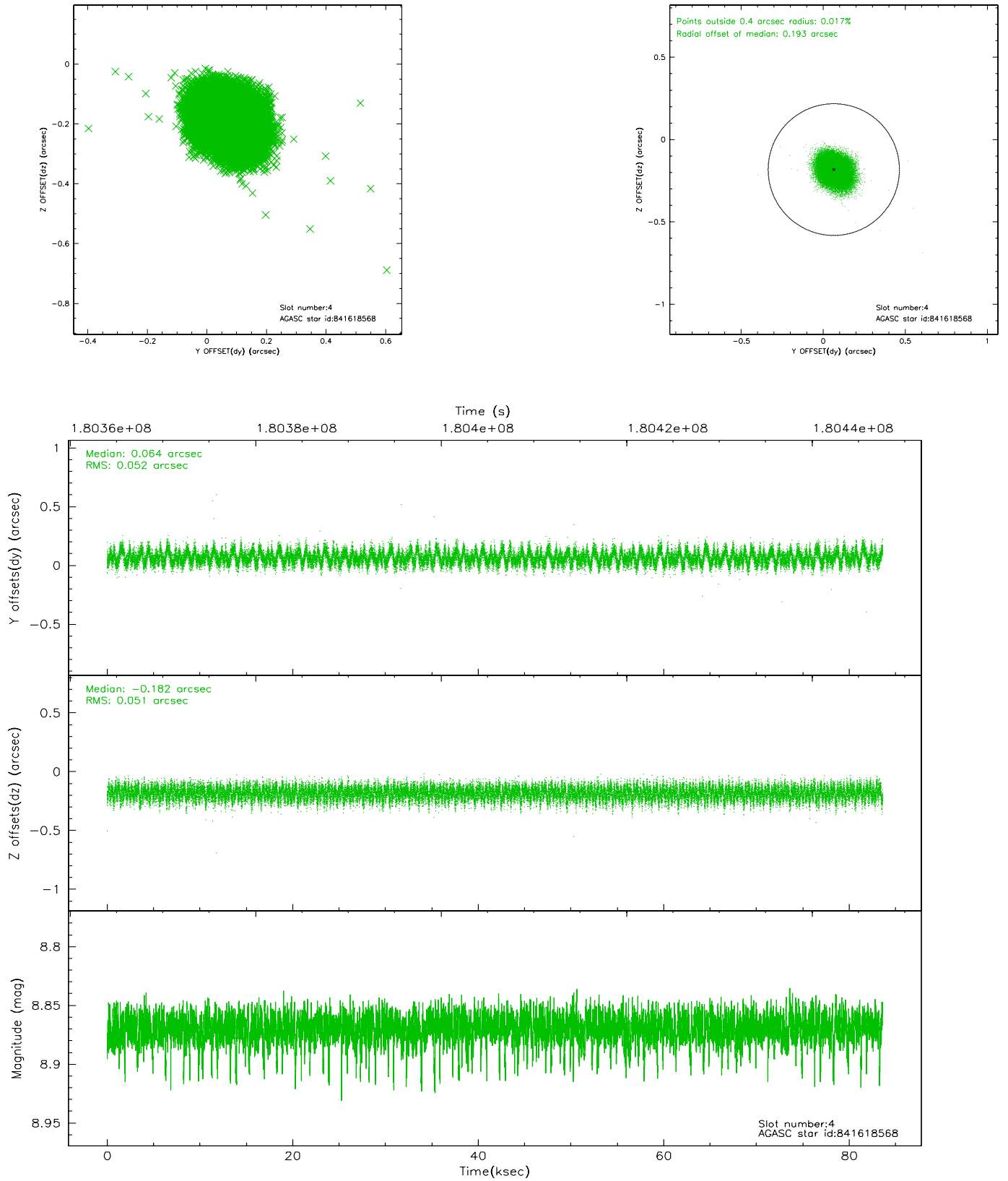
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	20395	-0.032	0.001	0.006	0.017	0.000000	0.000000	-758.97	-1729.55
1	FID	ACIS-S-4	7.21	20394	0.014	0.030	0.010	0.016	0.000000	0.000000	2154.40	179.01
2	FID	ACIS-S-6	7.35	20395	-0.009	-0.023	0.010	0.016	0.000000	0.000000	402.96	816.28
3	GUIDE	841617184	8.68	40782	-0.114	-0.095	0.074	0.116	11.510229	-25.379642	-1132.06	481.20
4	GUIDE	841618568	8.87	40559	0.064	-0.182	0.078	0.125	12.015403	-25.079155	837.05	442.75
5	GUIDE	841621872	9.27	40767	0.044	0.071	0.094	0.151	12.339829	-25.439870	968.52	-1225.19
6	GUIDE	841627288	8.98	40777	-0.006	0.151	0.079	0.126	11.895050	-25.394961	-130.51	-271.22
7	GUIDE	841628160	9.33	40766	0.013	0.061	0.084	0.135	11.565969	-25.537708	-1303.22	-90.99

2.4 Star Slots

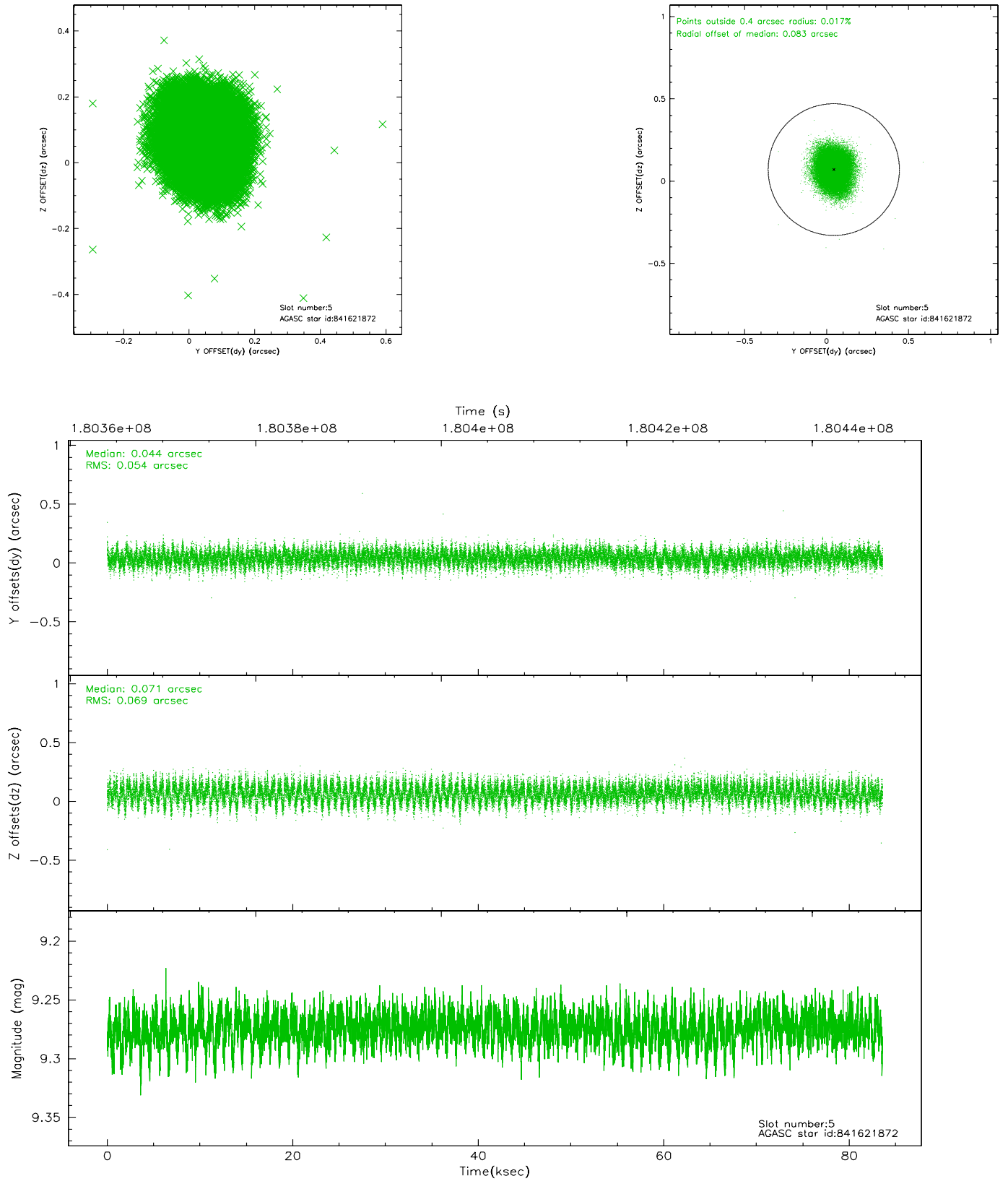
2.4.1 Slot 3



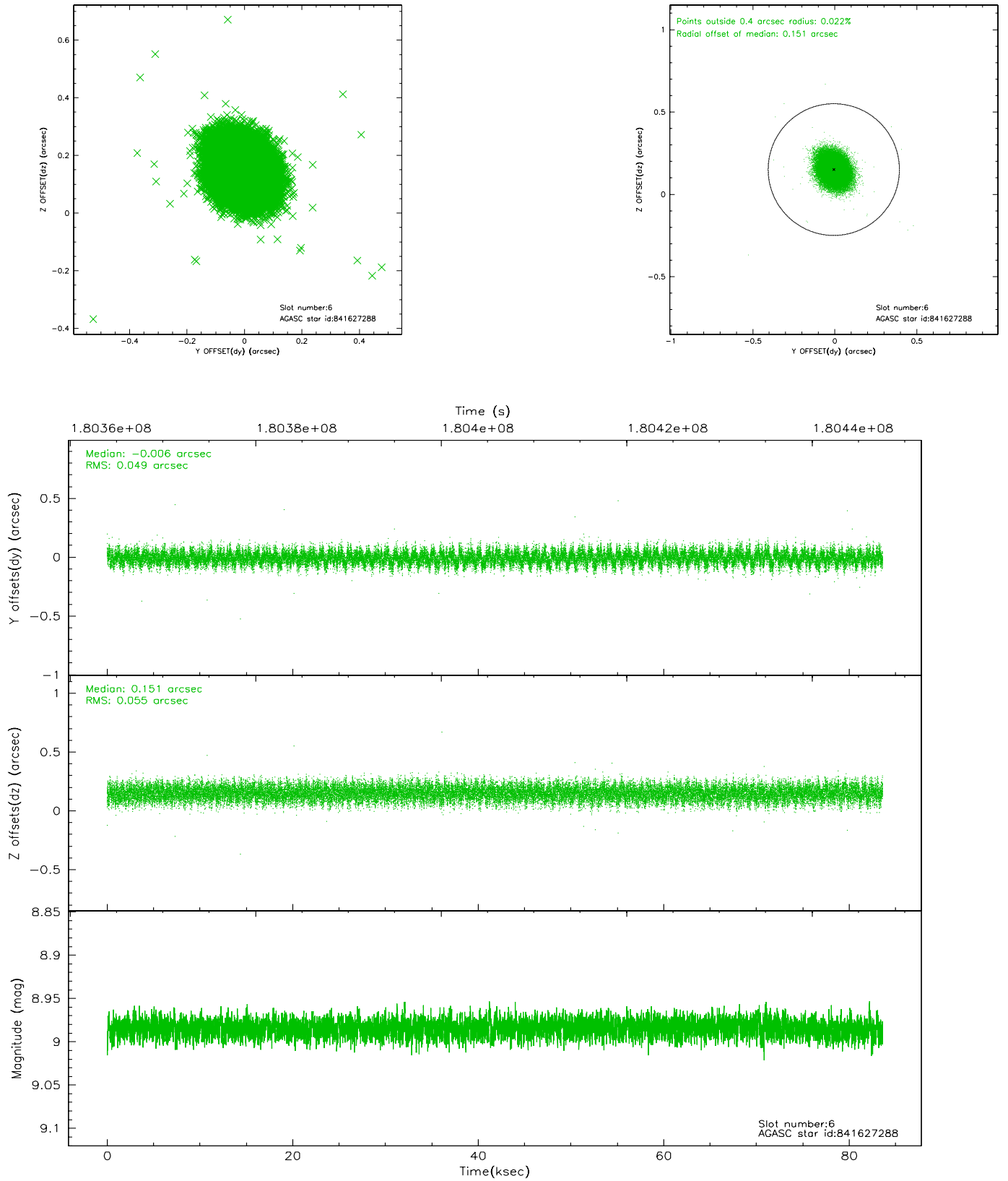
2.4.2 Slot 4



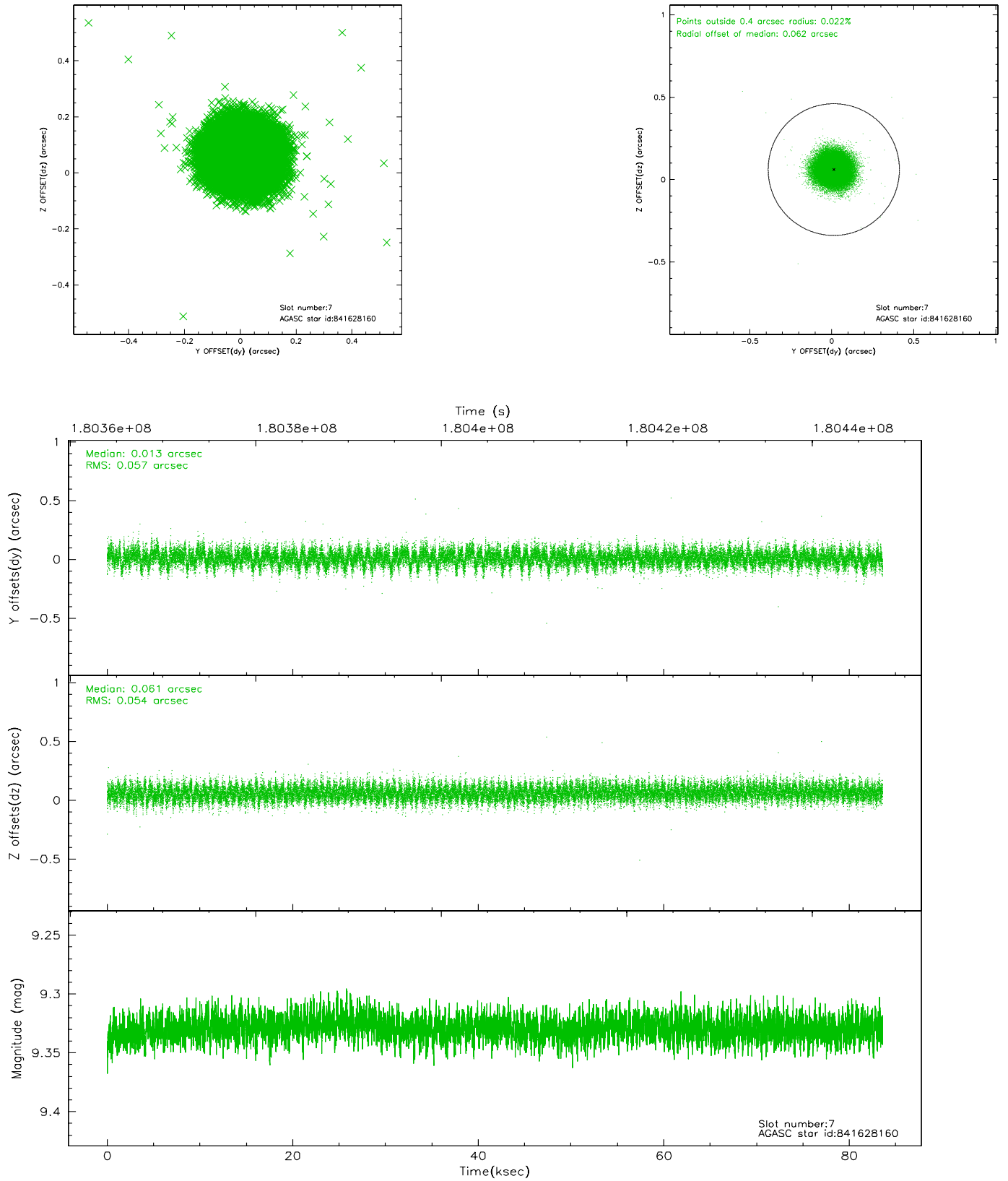
2.4.3 Slot 5



2.4.4 Slot 6

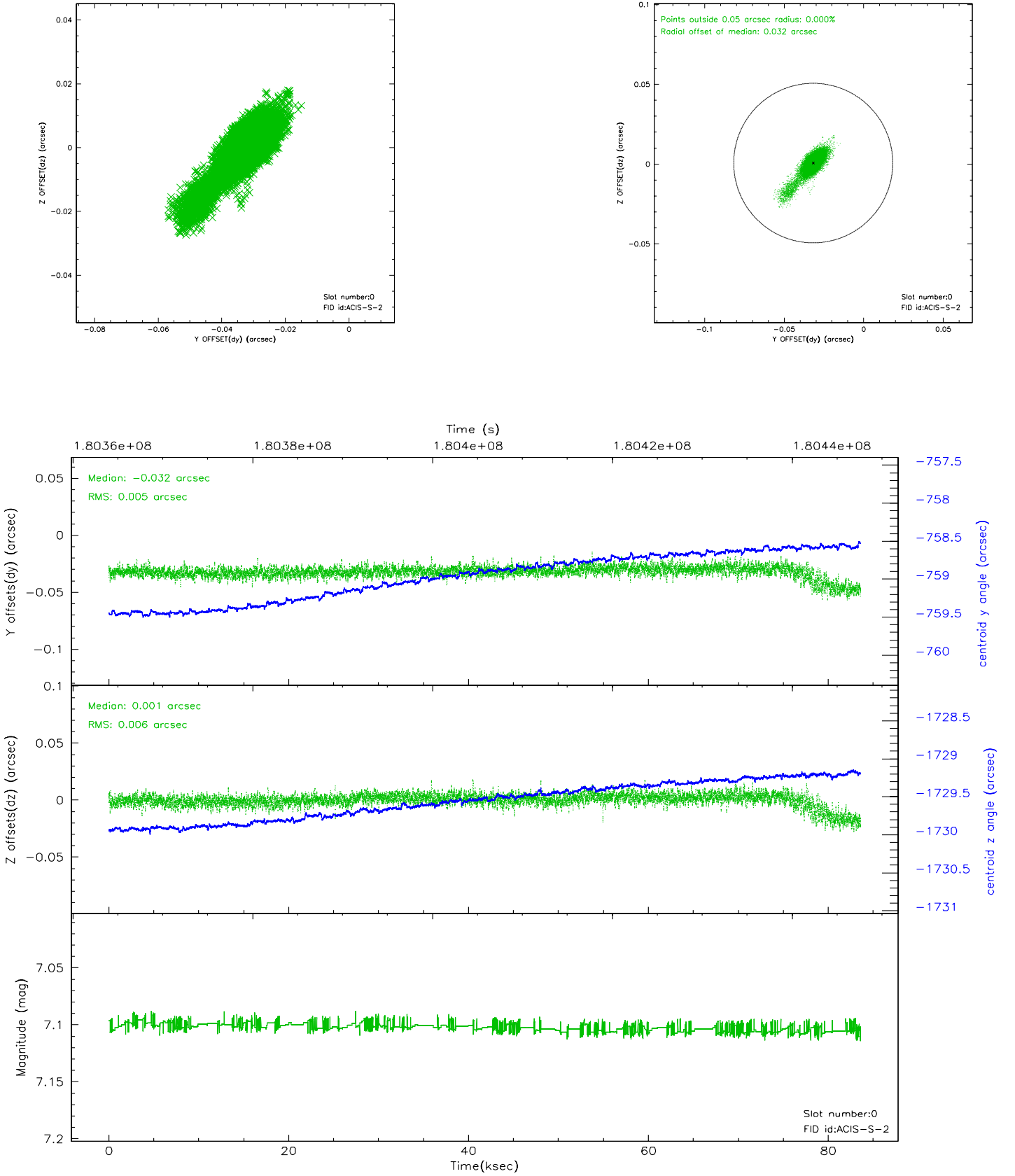


2.4.5 Slot 7

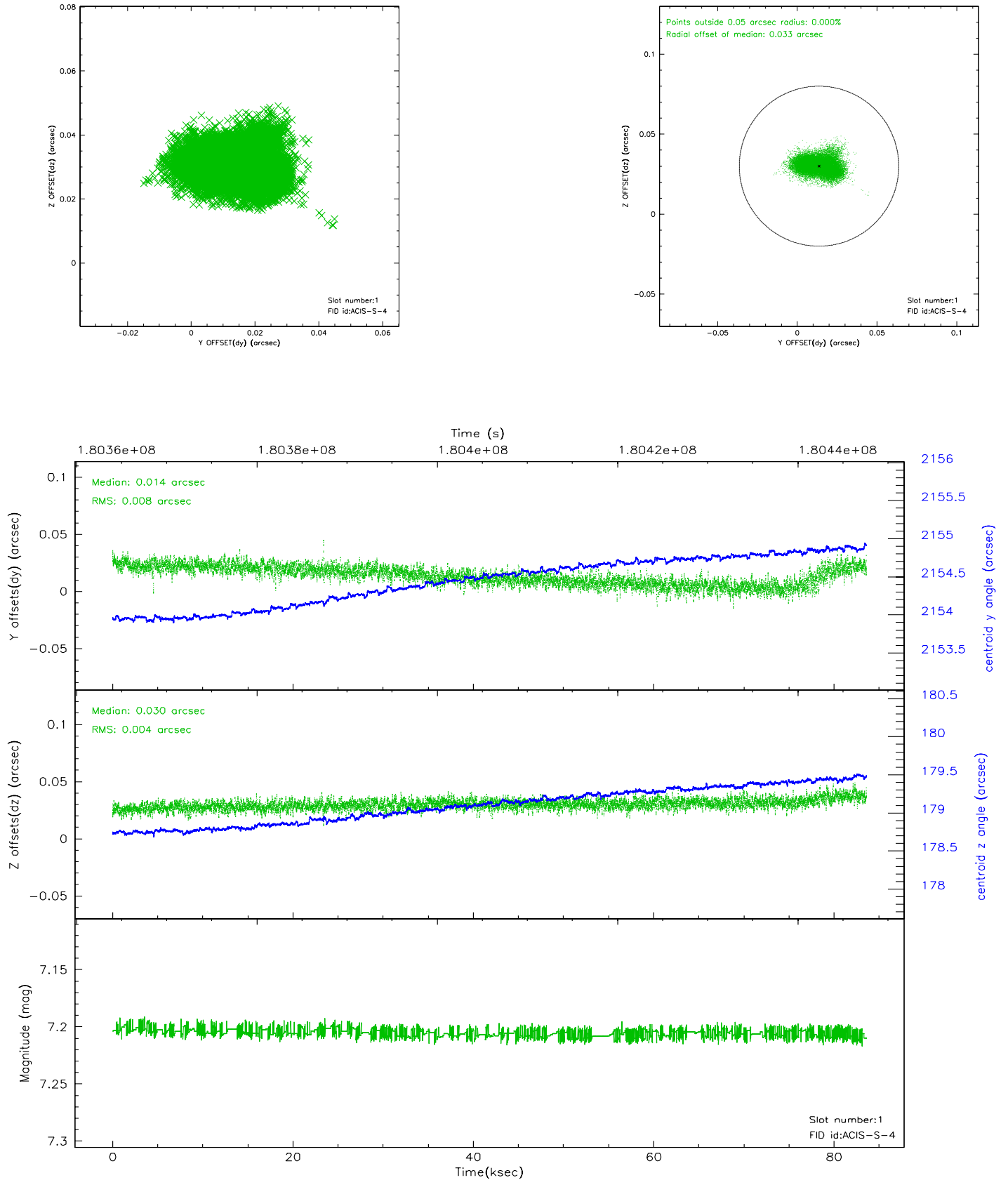


2.5 FID Slots

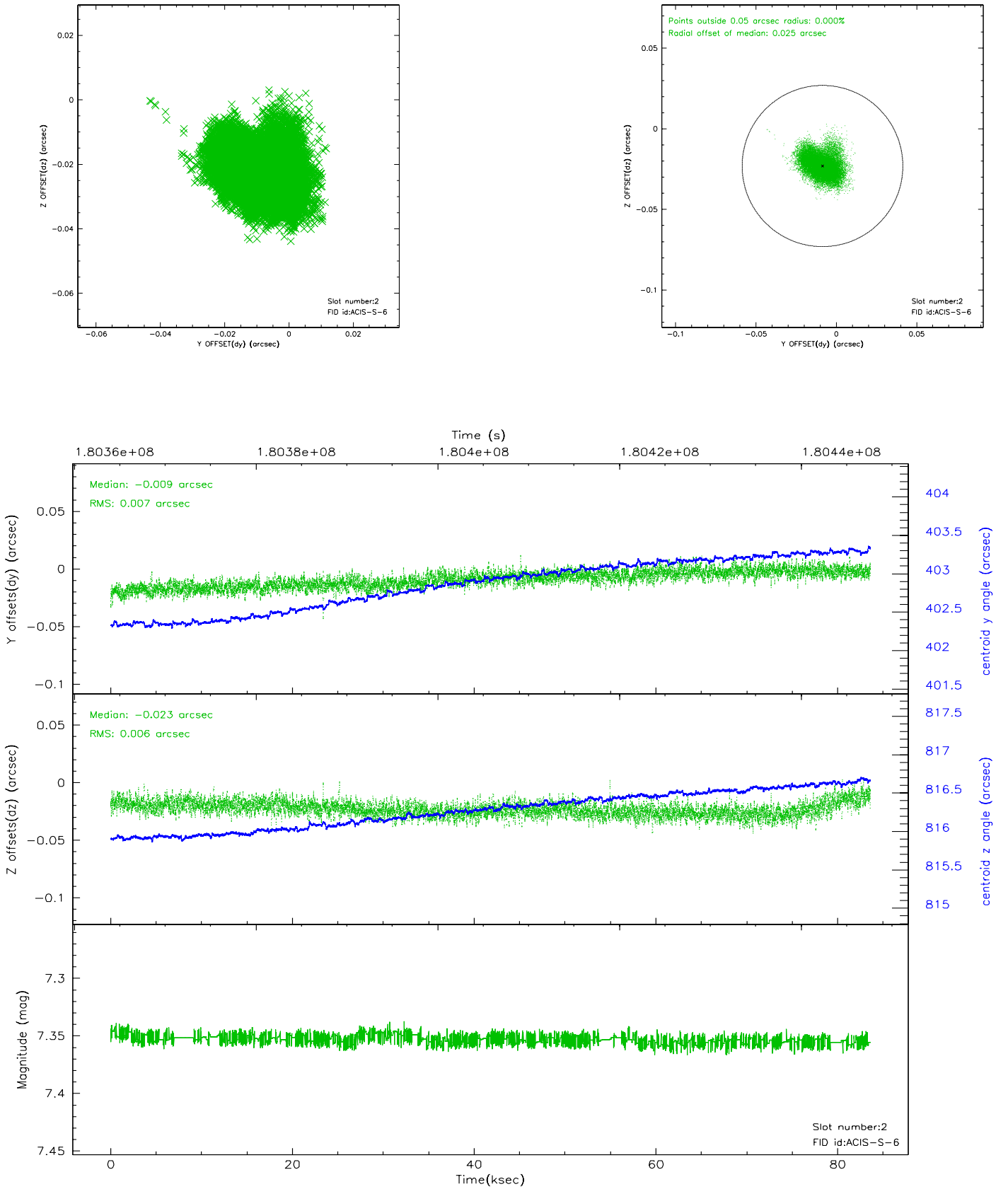
2.5.1 Slot 0



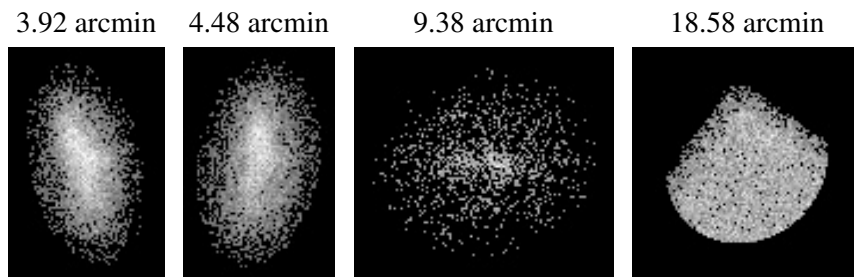
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	83.606

A.2 Comments