

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2870 - L2 Version 001
Chandra X-Ray Center

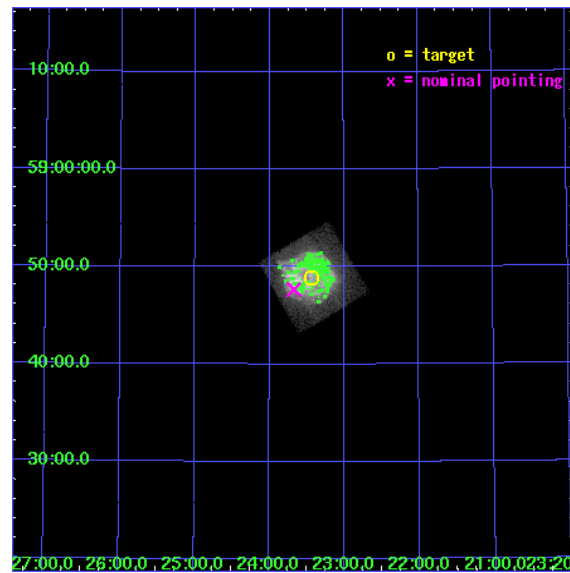
L2 Processing Date : Aug 31 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

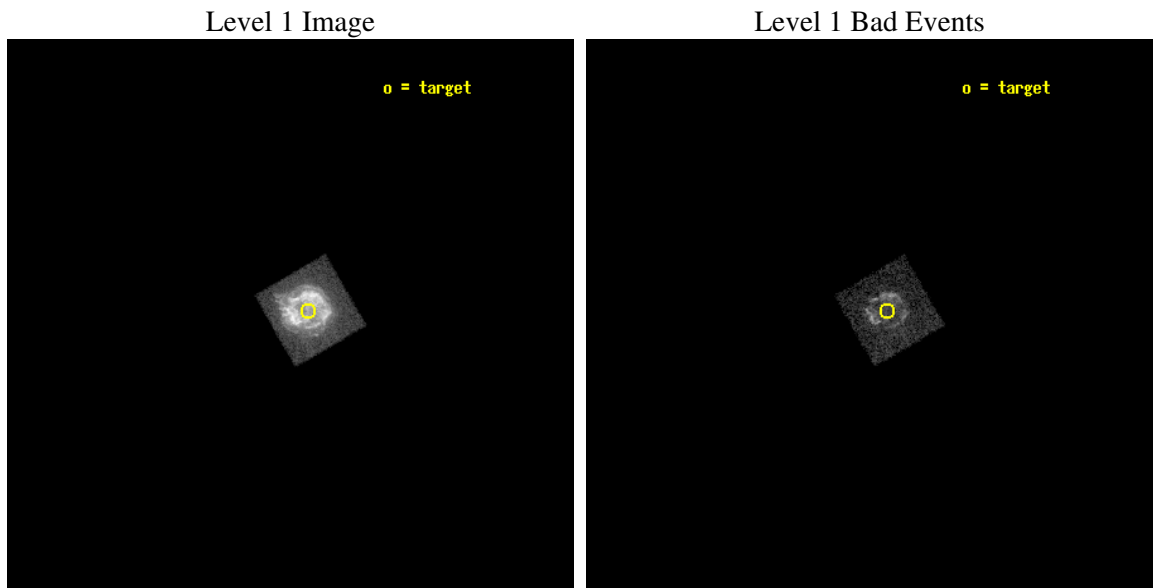
seq_num	590259
obs_id	2870
title	AO3A CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09
observer	Dr. CXC Calibration
object	CAS A [Chip S3, T=120, Offsets=-2,0,0]
dtcycle	0
cycle	P
ra_targ	350.8575
dec_targ	58.814833
ra_nom	350.91836514445
dec_nom	58.794643012511
roll_nom	330.13289460444
revision	2
ontime	1083.4229837209
livetime	1069.704029542
ontime4	1926.0723796785
ontime5	1952.0000018179
ontime6	1942.2771011442
ontime7	1083.4229837209
ontime8	1952.0000018179
ontime9	1952.0000018179
l2events	331665



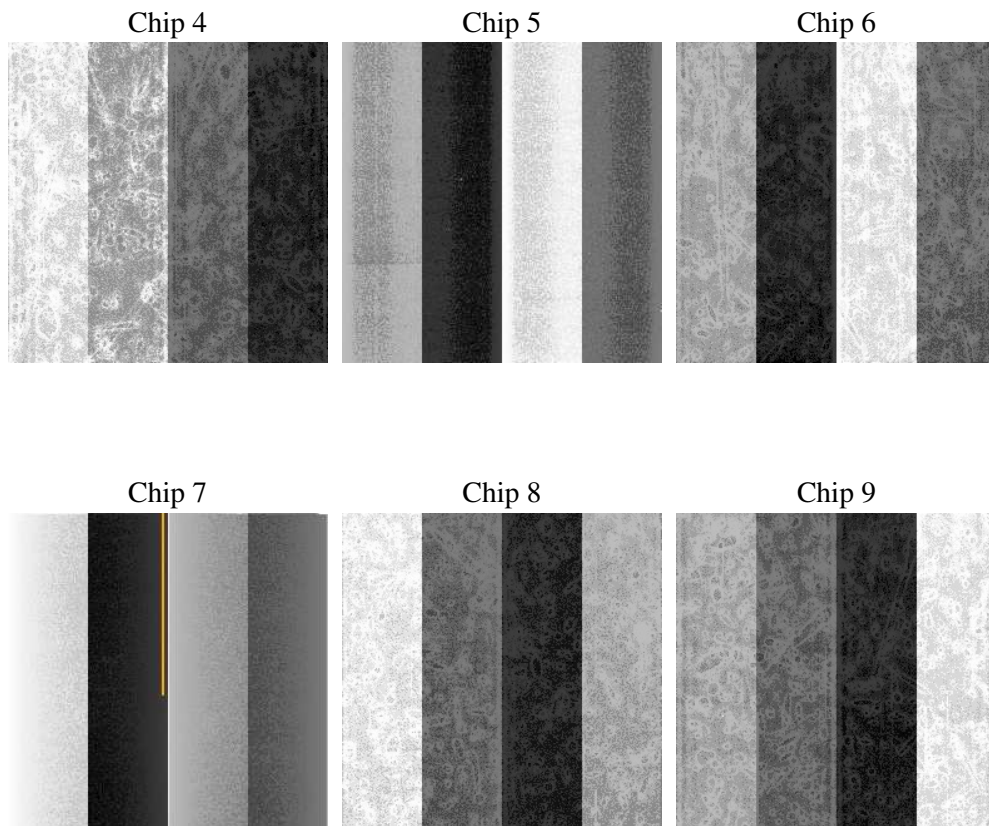
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-31T10:47:35
revision	2

sched_exp_time	2000.000000
ontime	1088.9851808101
ontime4	1931.6345767677
ontime5	1957.5621989071
ontime6	1947.8392982334
ontime7	1088.9851808101
ontime8	1957.5621989071
ontime9	1957.5621989071
l1events	376892

2.1.4 Events

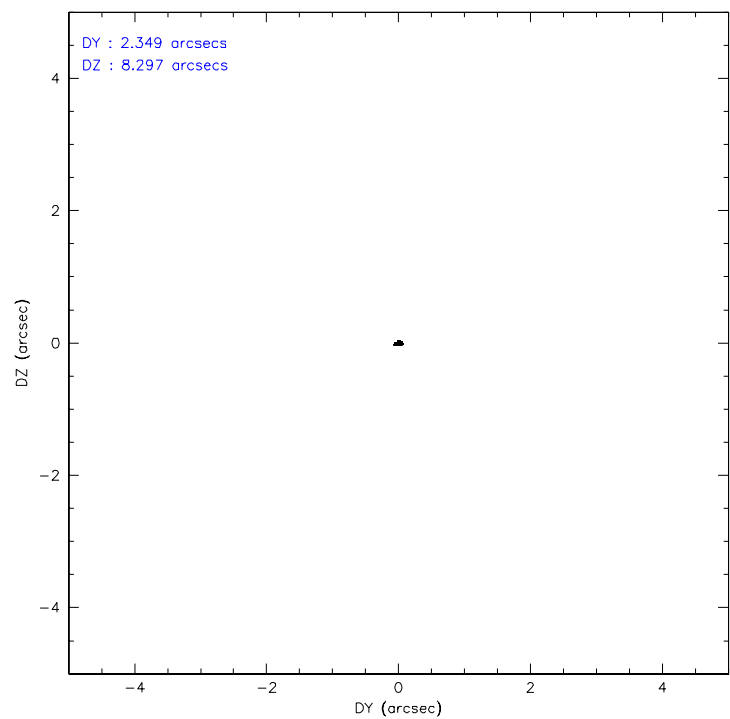
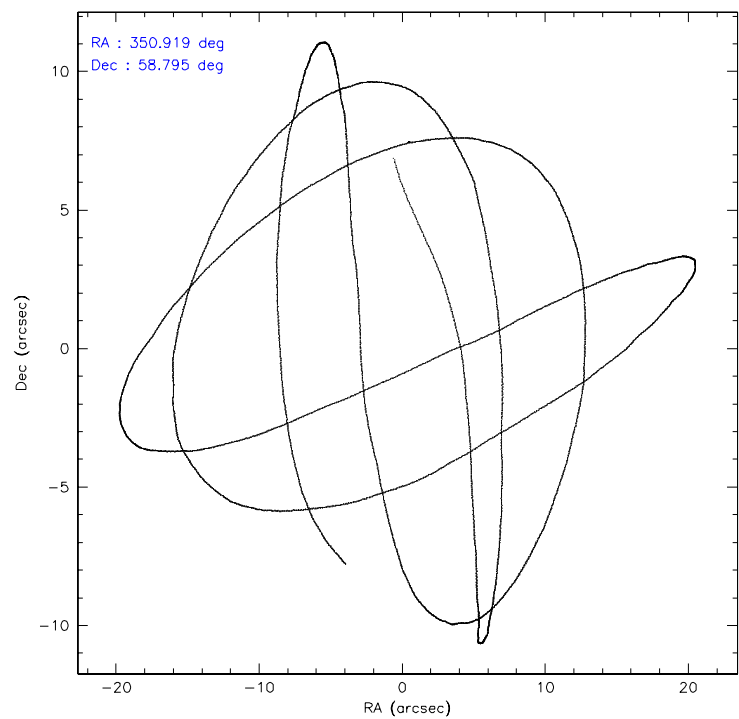
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	0	376892	0	0
rejected events	0	0	0	41661	0	0
rejected %	0%	0%	0%	11%	0%	0%

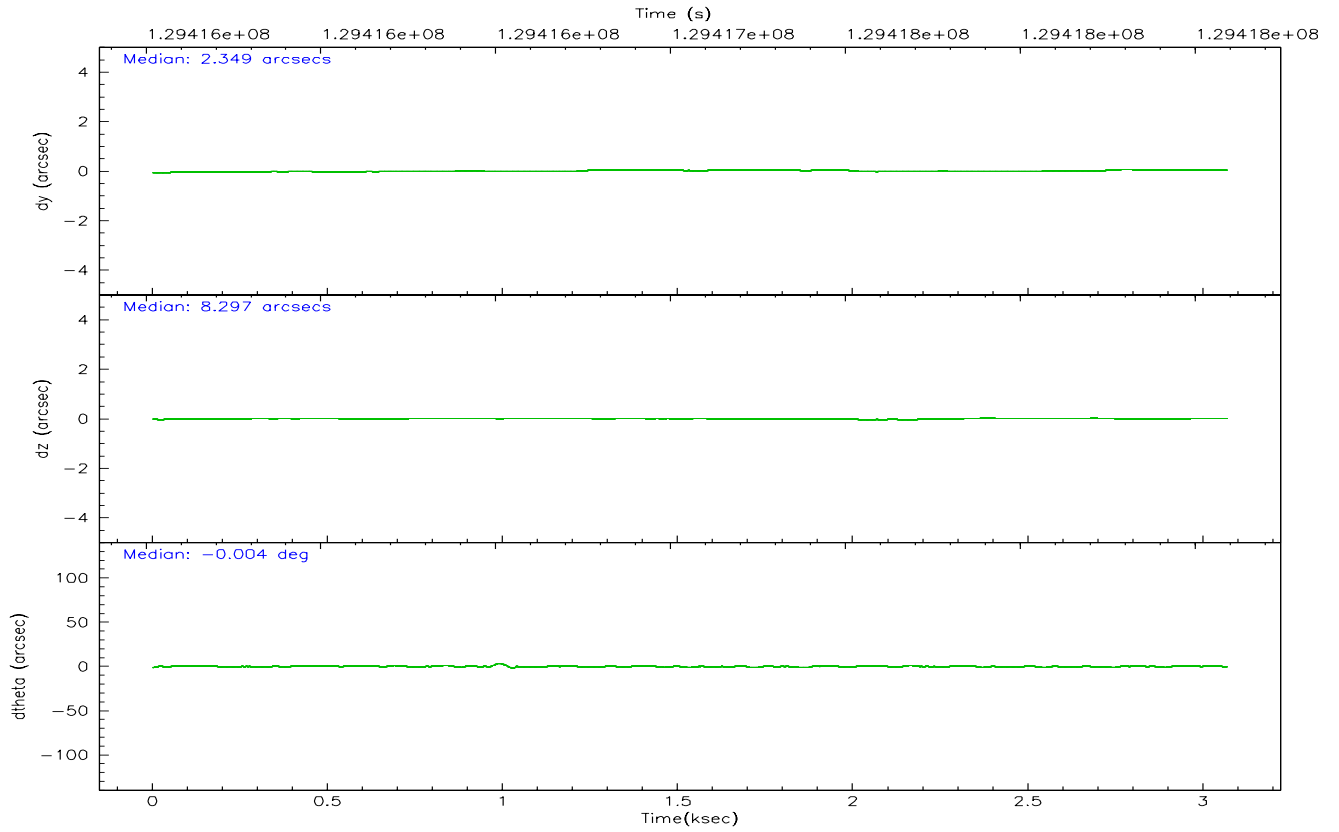
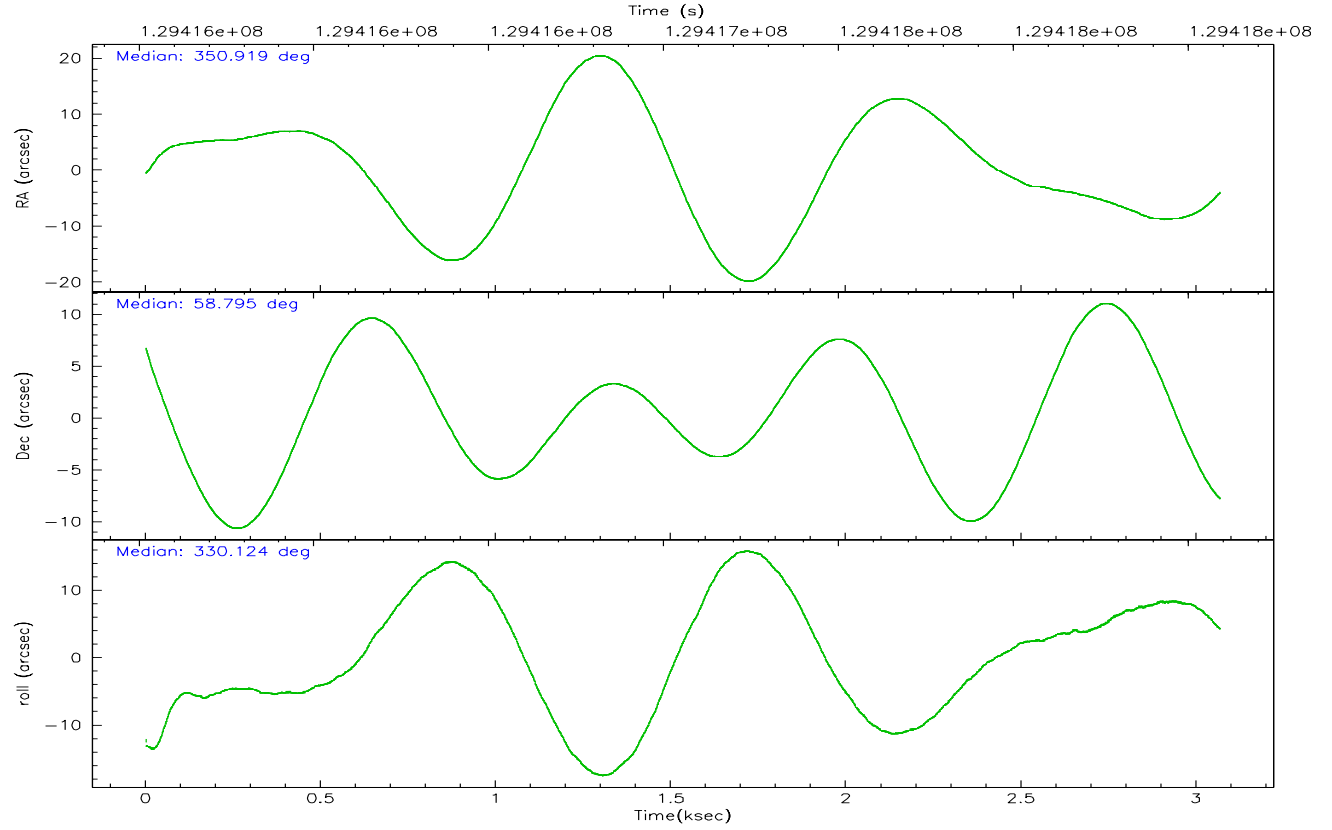
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	0	78050	0	0
	0%	0%	0%	20%	0%	0%
grade 1 events	0	0	0	1482	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	95271	0	0
	0%	0%	0%	25%	0%	0%
grade 3 events	0	0	0	37113	0	0
	0%	0%	0%	9%	0%	0%
grade 4 events	0	0	0	37244	0	0
	0%	0%	0%	9%	0%	0%
grade 5 events	0	0	0	6501	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	0	89627	0	0
	0%	0%	0%	23%	0%	0%
grade 7 events	0	0	0	31604	0	0
	0%	0%	0%	8%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-456789	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	350.865801	350.9183651444491	Alternating exposures requested	N	N
Pointing Dec	58.794267	58.79464301251107	Primary exposure time	0.000000	3.2
Pointing Roll	330.021248	330.1328946044442			
Window start time	126230464.184000	126230464.184000			
Window stop time	131241664.184000	131241664.184000			
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	129416590.184000	129415188.54004			
Observation start date	2002-02-06T21:02:06	2002-02-06T20:39:48			
Observation end time	129418590.184000	129418723.76518			
Observation end date	2002-02-06T21:35:26	2002-02-06T21:38:43			
Read mode	TIMED	TIMED			

2.3 Aspect



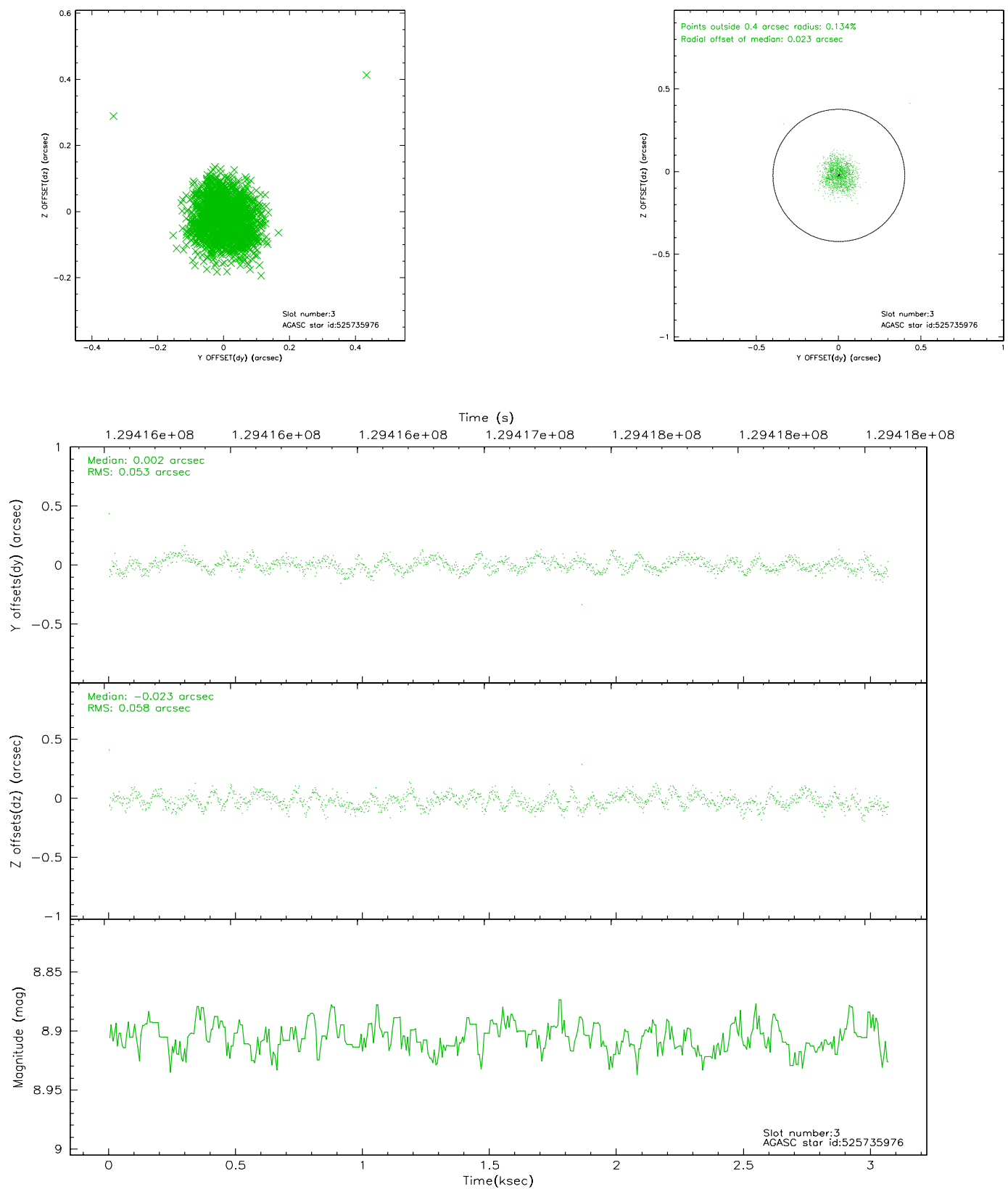


Slot Statistics

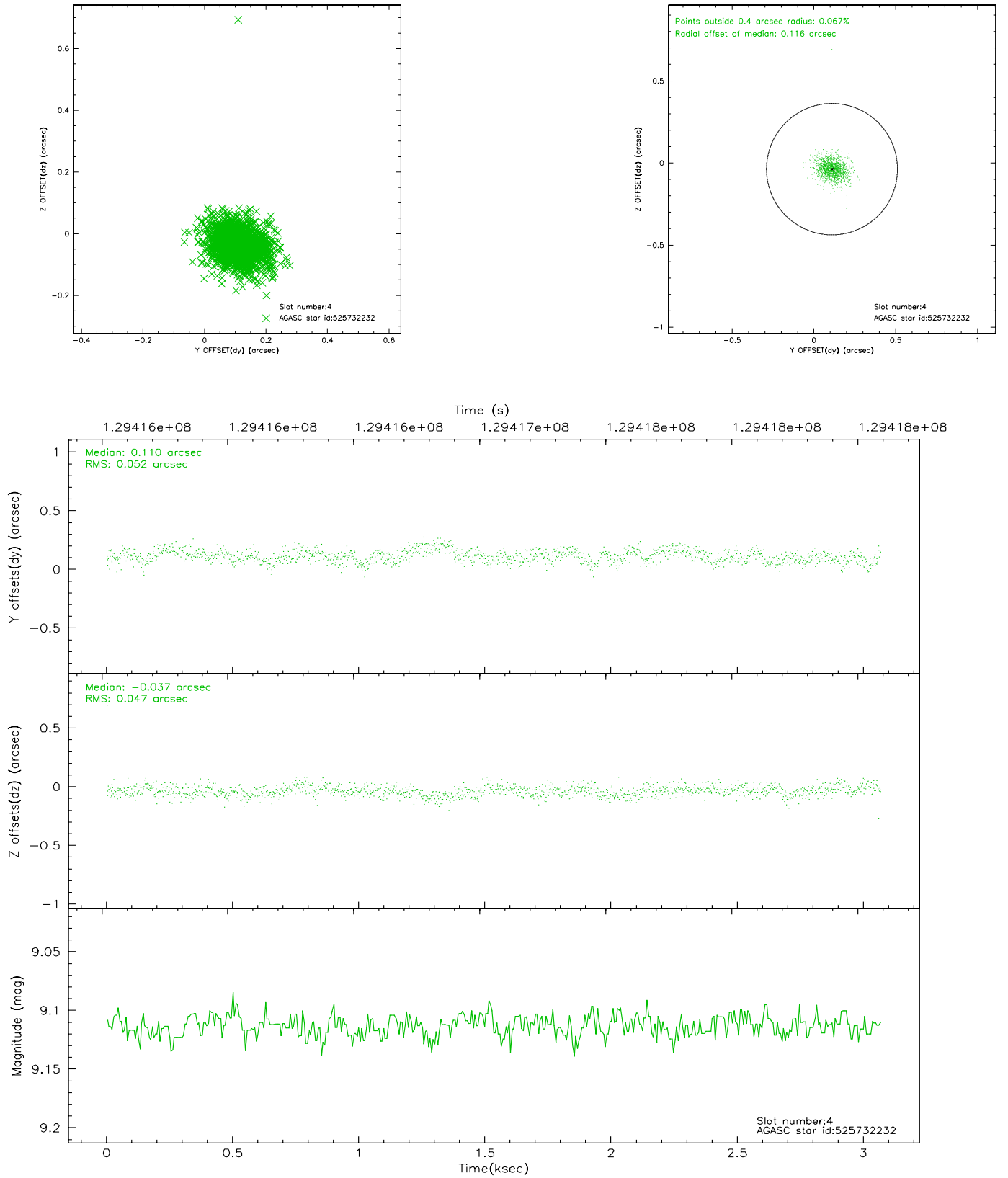
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	749	0.031	0.029	0.007	0.011	0.000000	0.000000	941.05	-1725.12
1	FID	ACIS-S-4	7.20	749	-0.106	-0.031	0.006	0.009	0.000000	0.000000	2159.52	176.82
2	FID	ACIS-S-5	7.23	749	0.049	0.014	0.005	0.010	0.000000	0.000000	-1805.09	172.89
3	GUIDE	525735976	8.91	1498	0.002	-0.023	0.085	0.127	350.142956	58.277622	-259.20	-2288.90
4	GUIDE	525732232	9.11	1497	0.110	-0.037	0.072	0.121	351.669550	58.757012	1362.64	639.66
5	GUIDE	525736400	9.07	1495	-0.027	0.104	0.064	0.107	350.974563	59.175145	-510.77	1288.12
6	GUIDE	525609504	9.07	1497	-0.019	0.033	0.086	0.138	349.896632	58.356658	-805.04	-2267.47
7	GUIDE	525737208	9.37	1497	-0.069	-0.069	0.092	0.144	351.154109	59.407897	-647.82	2176.33

2.4 Star Slots

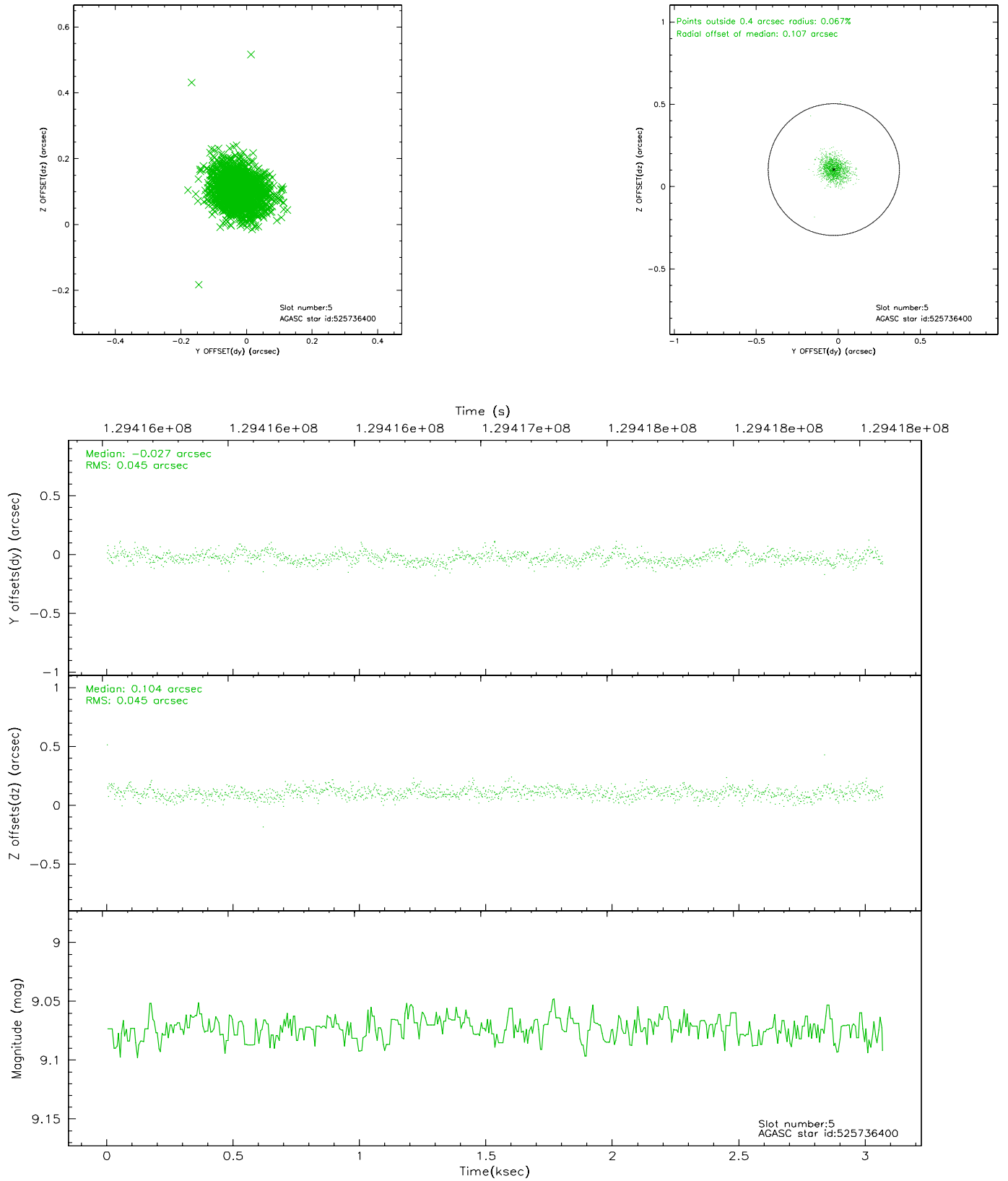
2.4.1 Slot 3



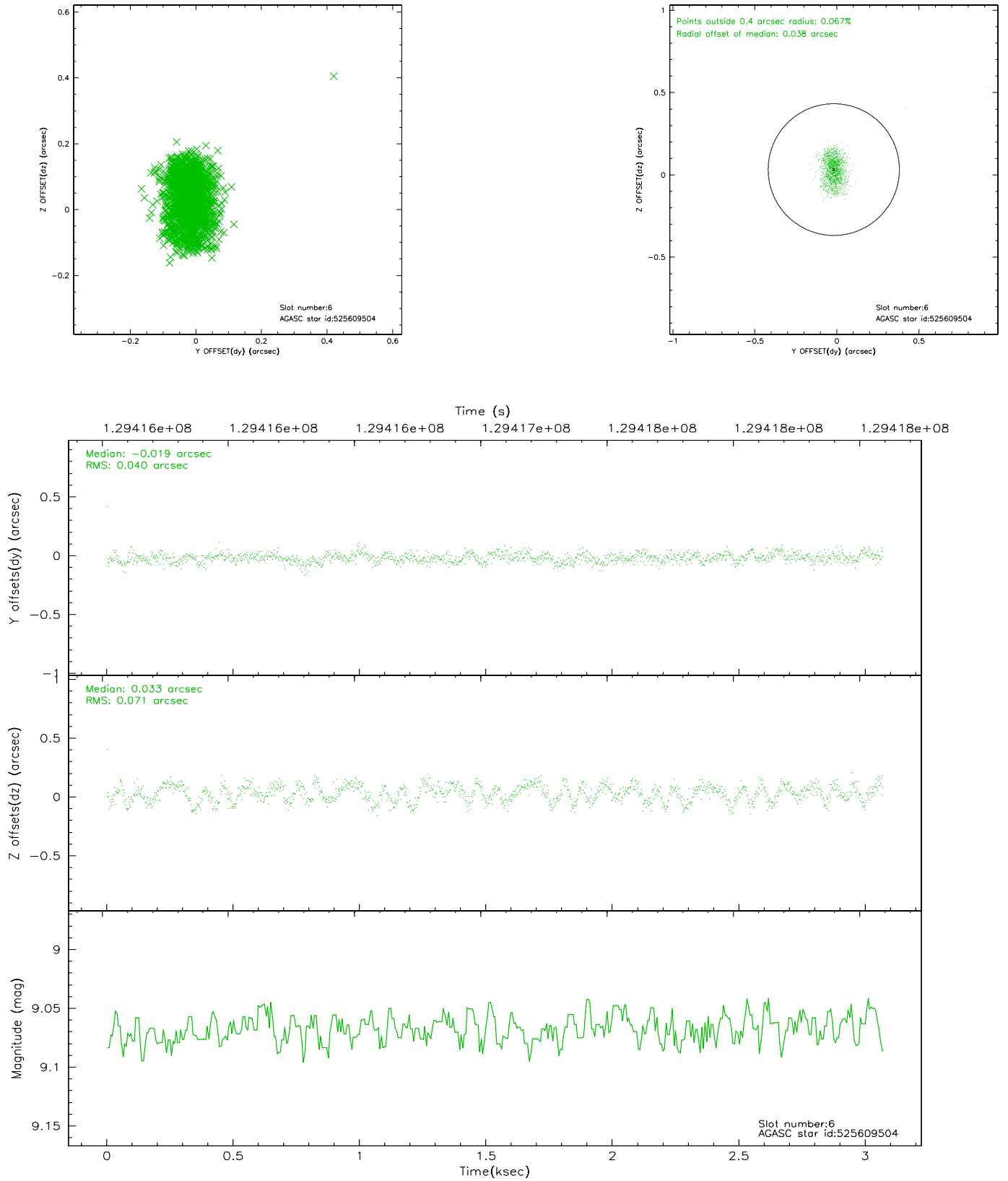
2.4.2 Slot 4



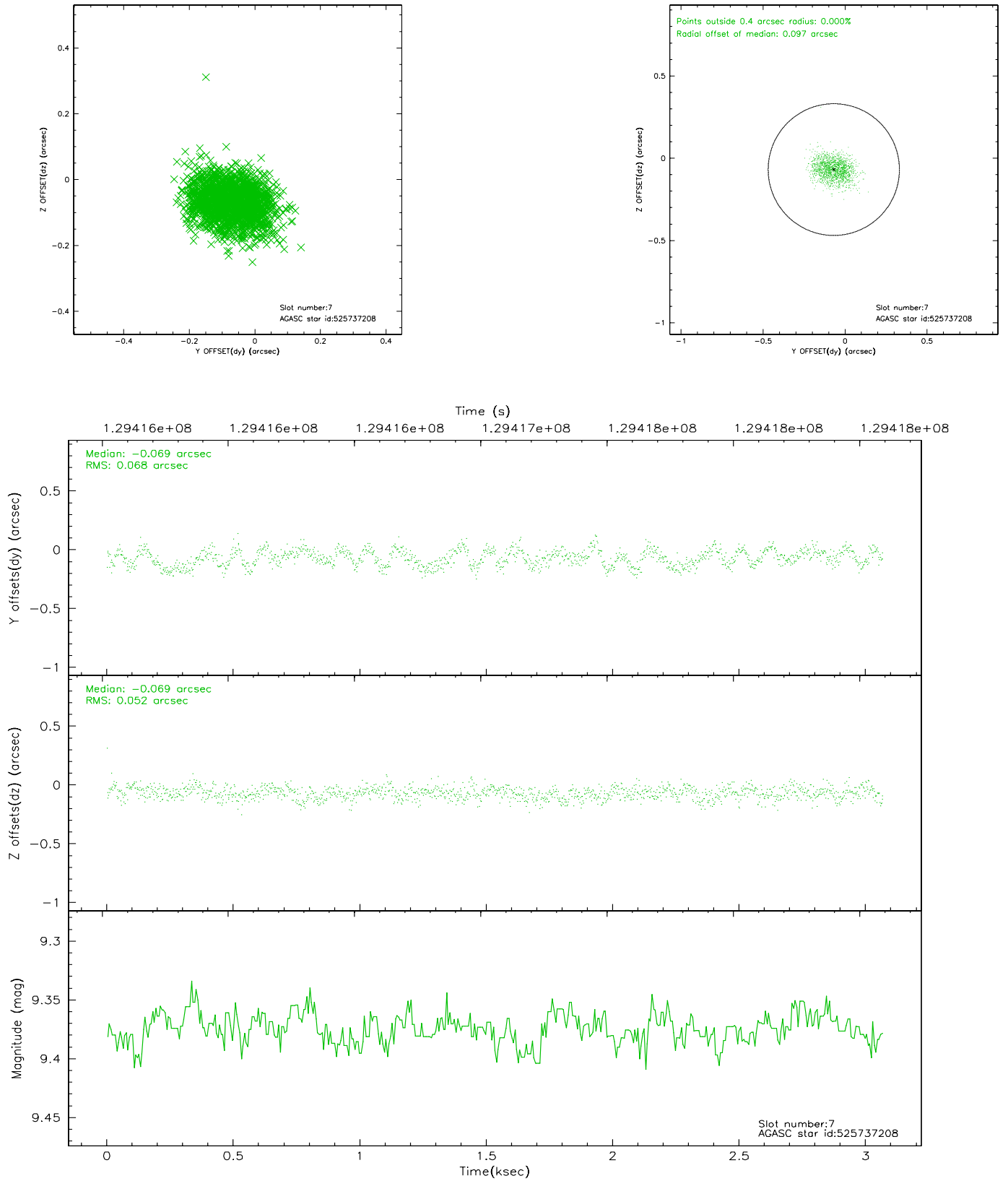
2.4.3 Slot 5



2.4.4 Slot 6

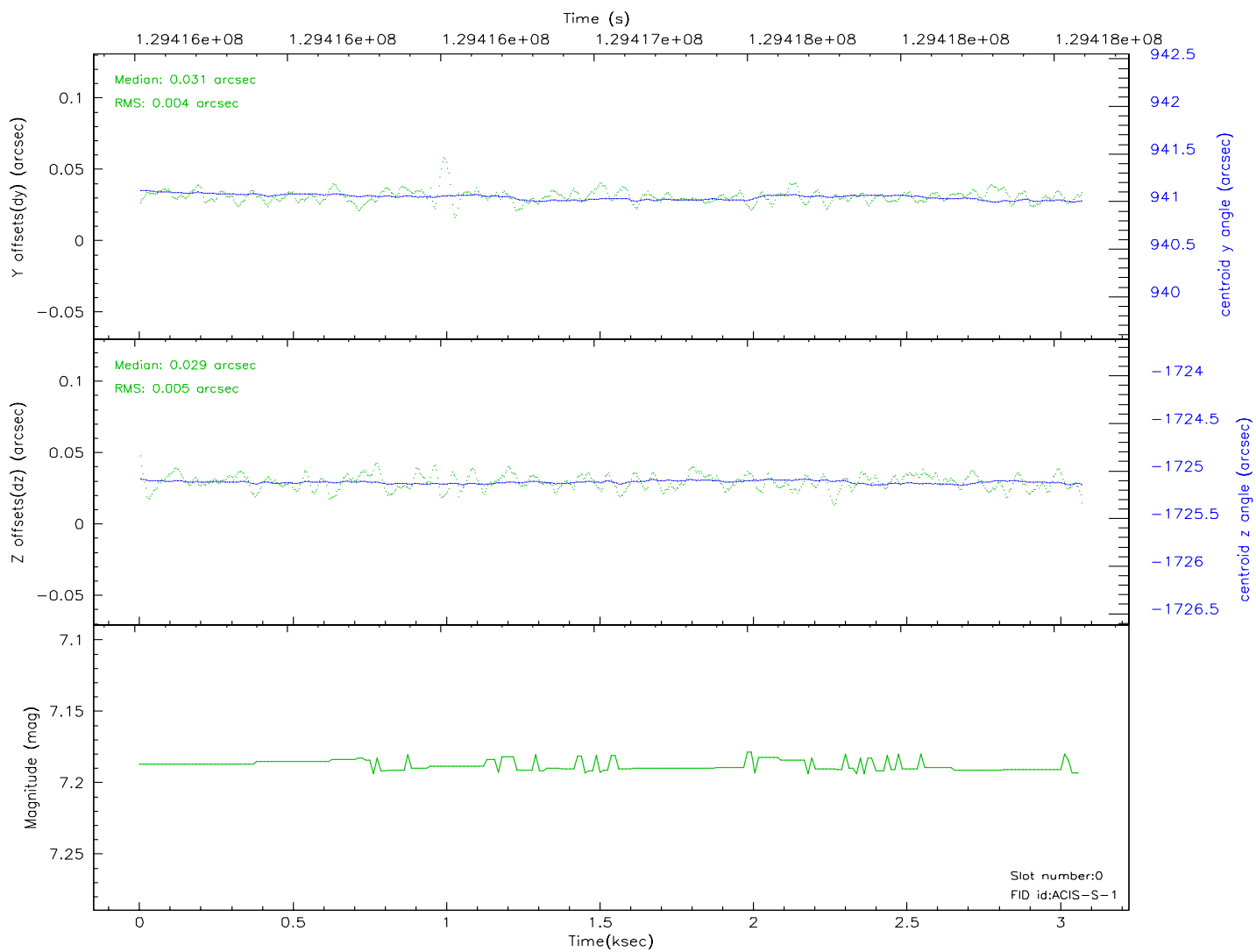
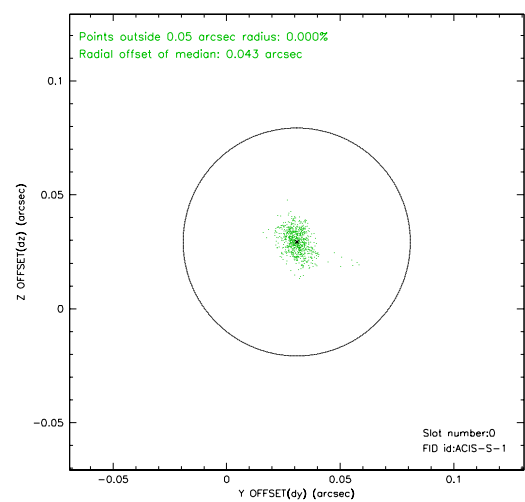
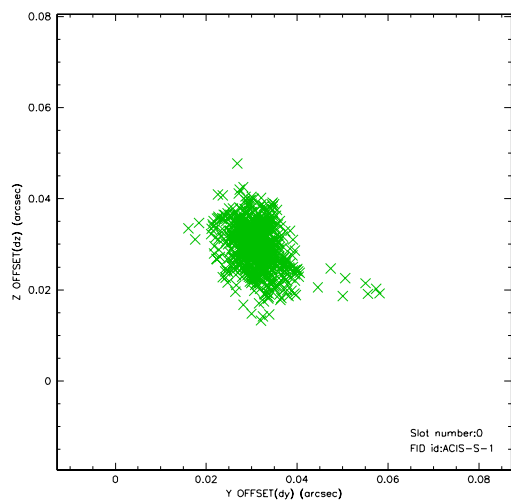


2.4.5 Slot 7

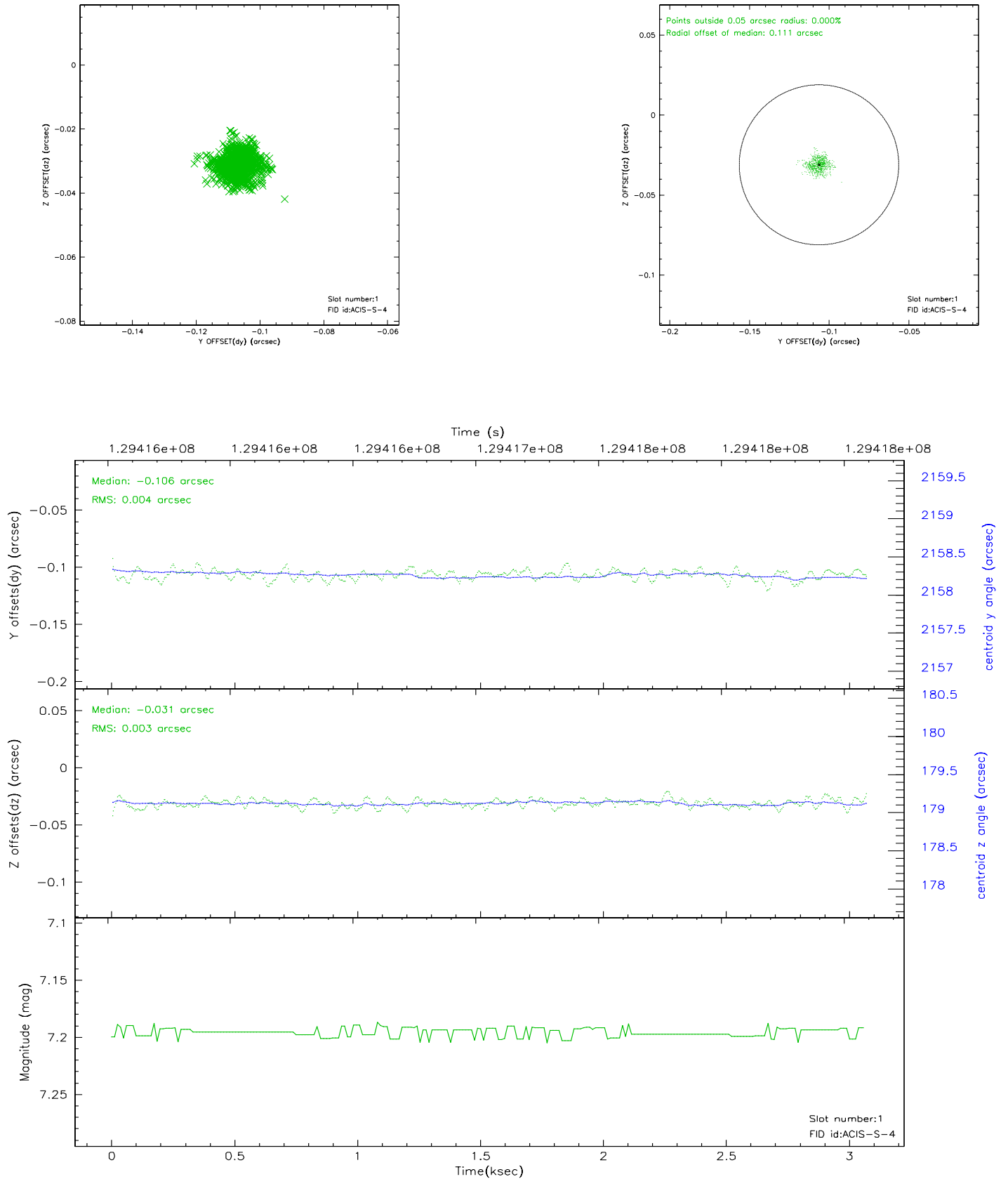


2.5 FID Slots

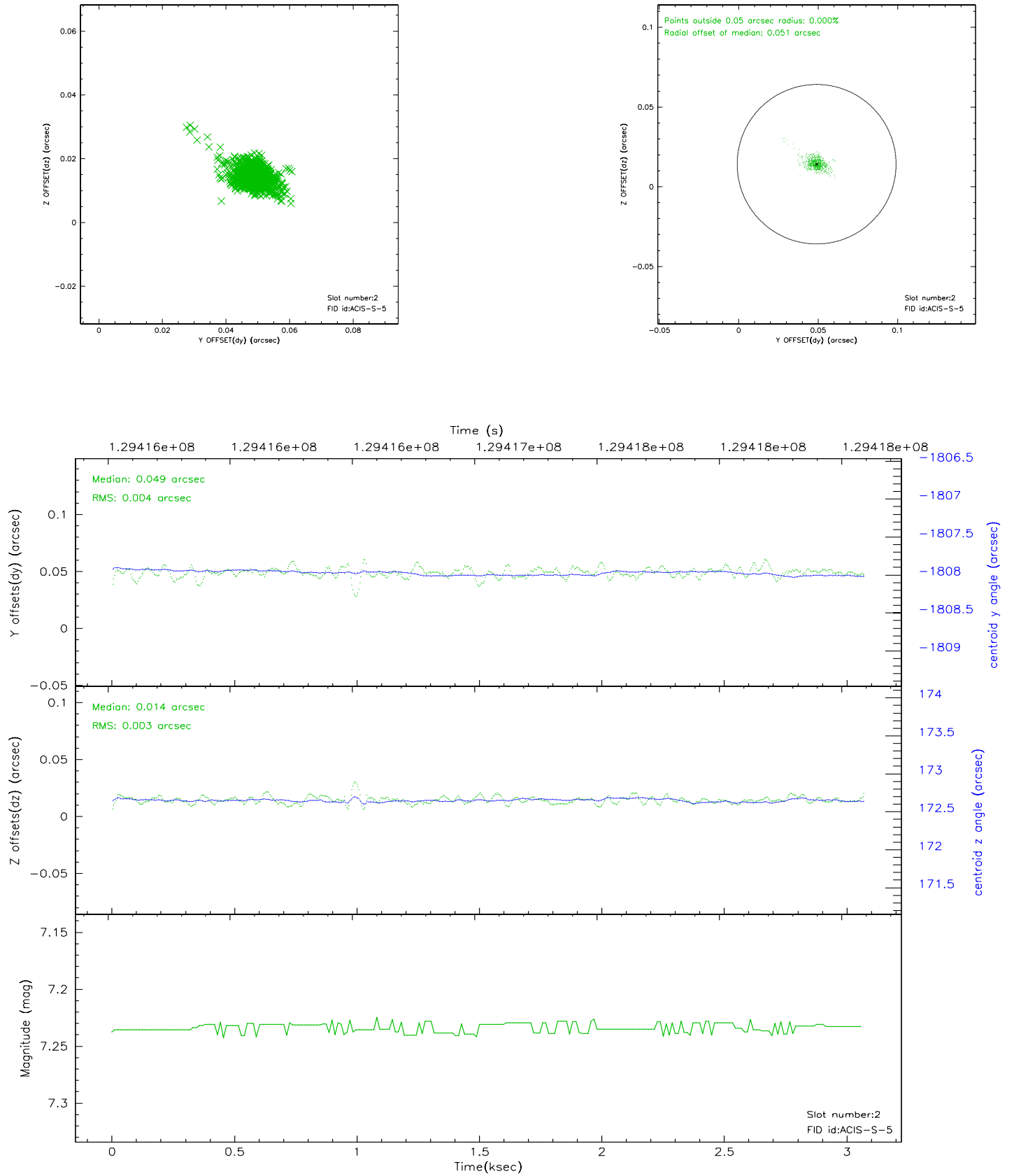
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.09.01
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	1.986

A.2 Comments

Charge time for this ObsId remains at original value of 1.986 ks,
although
with the current processing the charge time would have been 1.08 ksec.
The original charge time did not take into account the dropped
exposures
due to telemetry saturation for chip 7.

Window constraint met.