

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8369 - L2 Version 3
Chandra X-Ray Center

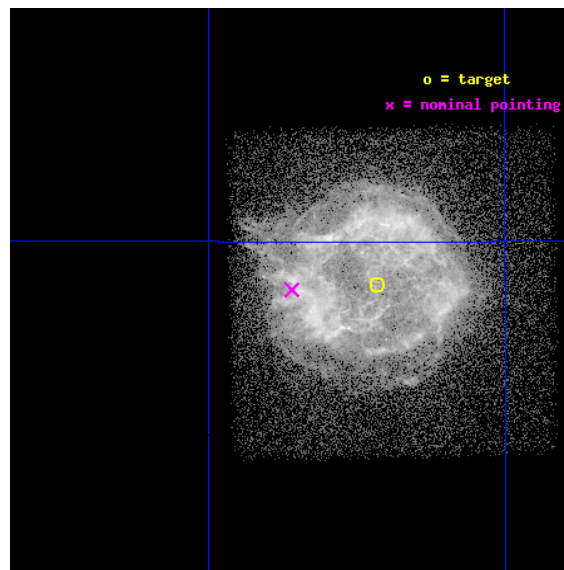
L2 Processing Date : Apr 20 2012

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1 Front

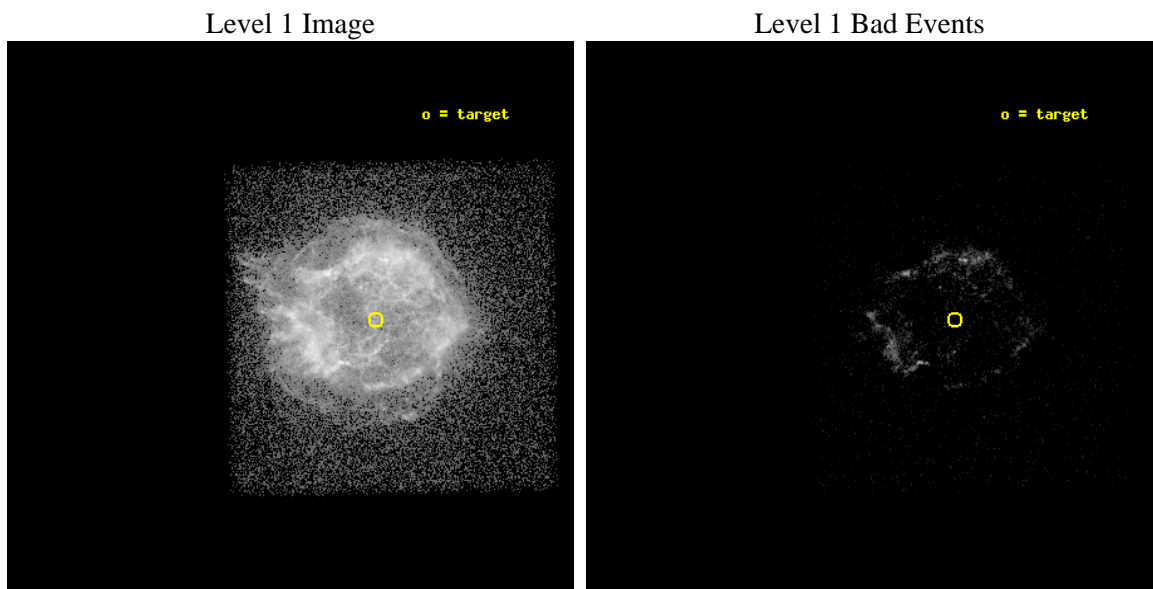
seq_num	590462	Sequence number
obs_id	8369	Observation id
title	AO8 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	Cas A[S3,-120,-2.0,0,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.9296940135	Nominal RA [deg]
dec_nom	58.812560921151	Nominal Dec [deg]
roll_nom	359.10960819389	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1273.3042746782	Sum of GTIs [s]
livetime	1257.1809292605	Livetime [s]
ontime2	1859.8835501671	Sum of GTIs [s]
ontime3	1982.4421606064	Sum of GTIs [s]
ontime5	2105.5999922156	Sum of GTIs [s]
ontime6	2082.9130399227	Sum of GTIs [s]
ontime7	1273.3042746782	Sum of GTIs [s]
ontime8	2105.5999922156	Sum of GTIs [s]
l2events	375404	Number of level 2 events



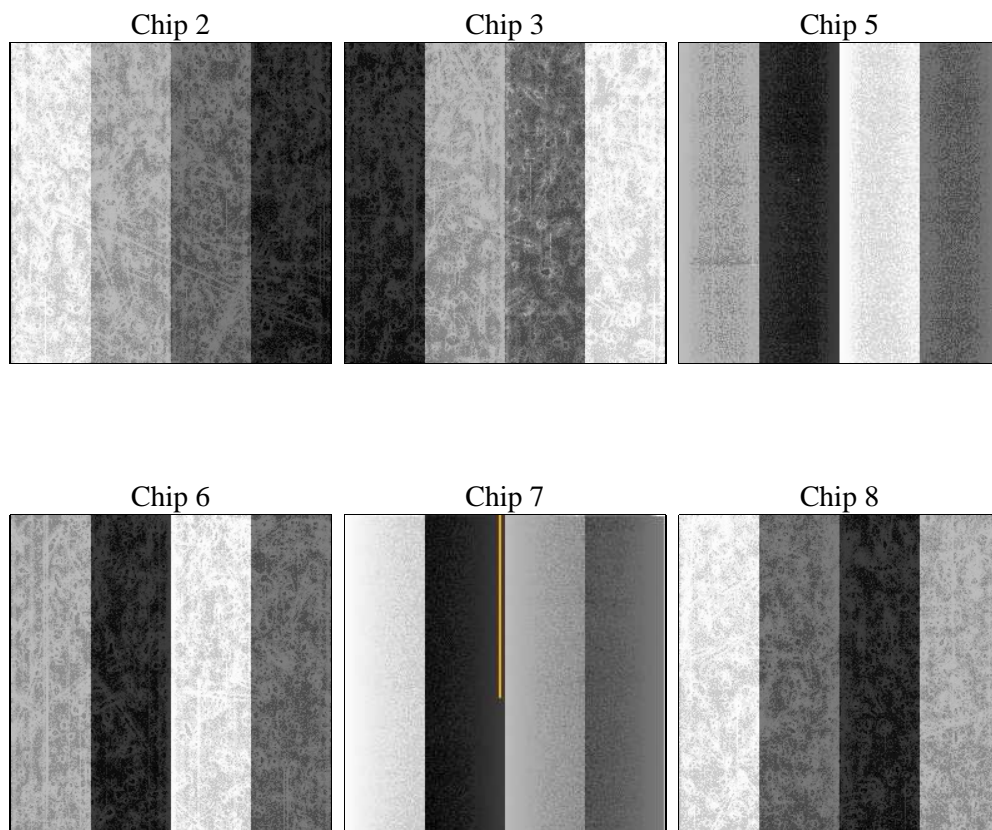
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1273.3042746782	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	1859.8835501671	Sum of GTIs [s]
date	2012-04-21T01:56:53	Date and time of file creation	ontime3	1982.4421606064	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	2105.5999922156	Sum of GTIs [s]
			ontime6	2082.9130399227	Sum of GTIs [s]
			ontime7	1273.3042746782	Sum of GTIs [s]
			ontime8	2105.5999922156	Sum of GTIs [s]
			l1events	403083	Number of level 1 events

2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	0	0	0	0	403083	0
rejected events	0	0	0	0	23551	0
rejected %	0%	0%	0%	0%	5%	0%

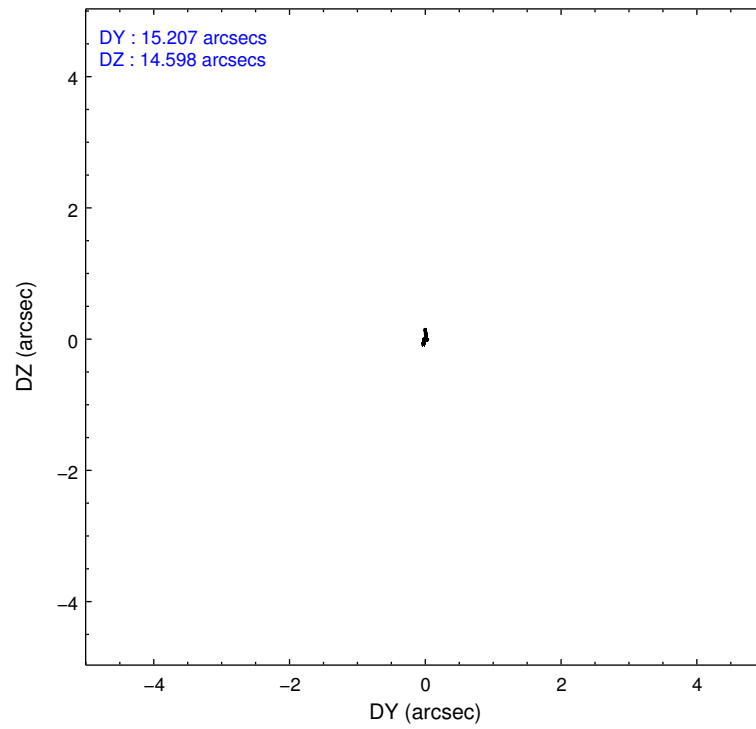
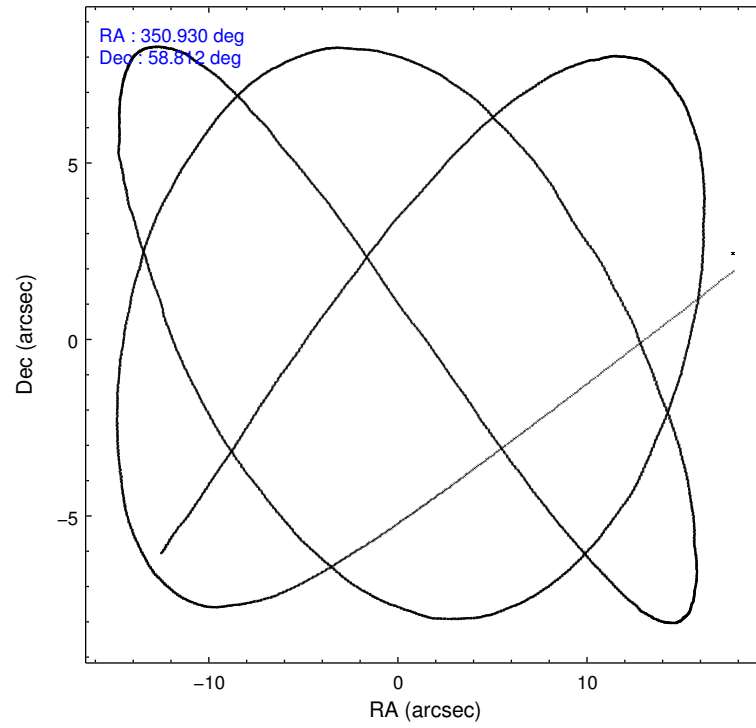
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	0	0	0	0	93761	0
	0%	0%	0%	0%	23%	0%
grade 1 events	0	0	0	0	1909	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	0	102095	0
	0%	0%	0%	0%	25%	0%
grade 3 events	0	0	0	0	44579	0
	0%	0%	0%	0%	11%	0%
grade 4 events	0	0	0	0	44413	0
	0%	0%	0%	0%	11%	0%
grade 5 events	0	0	0	0	7603	0
	0%	0%	0%	0%	1%	0%
grade 6 events	0	0	0	0	95649	0
	0%	0%	0%	0%	23%	0%
grade 7 events	0	0	0	0	13074	0
	0%	0%	0%	0%	3%	0%

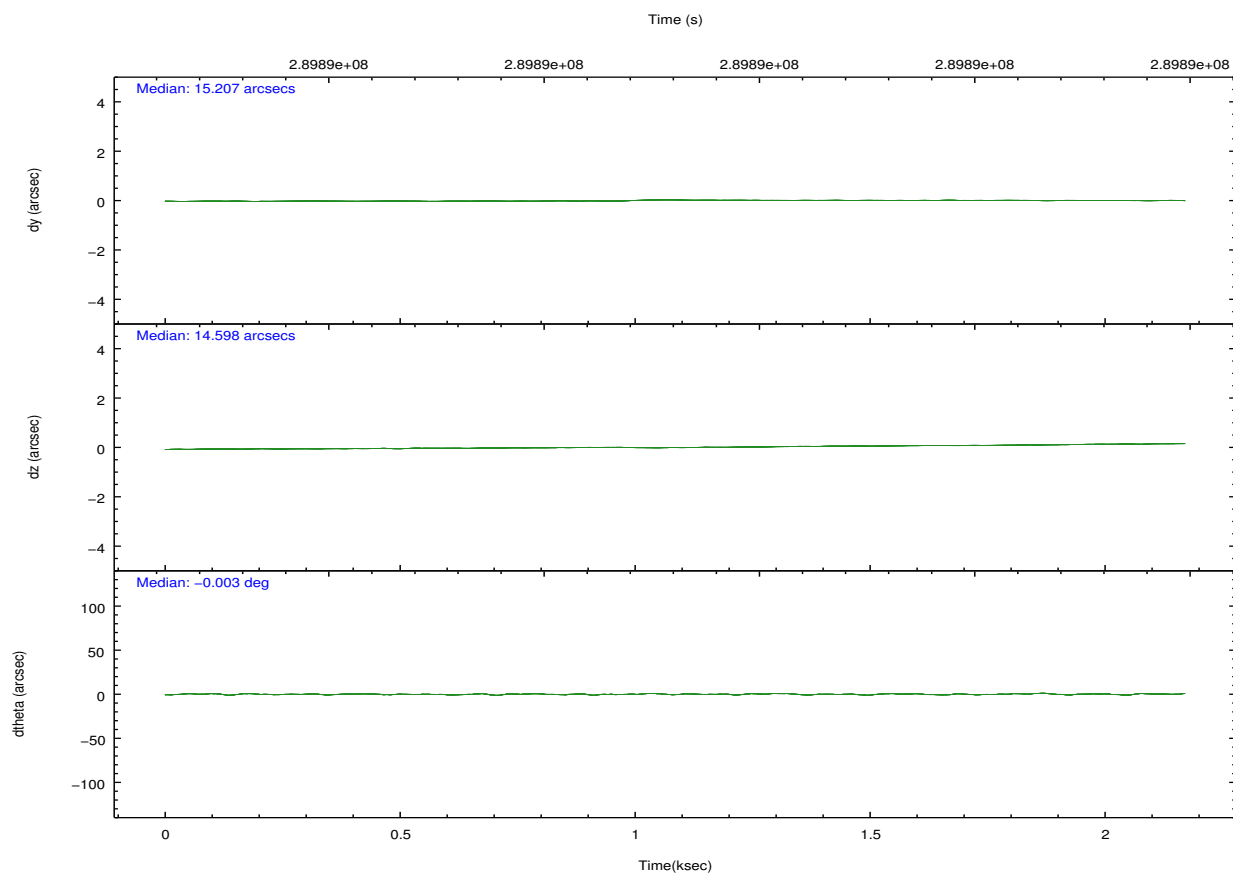
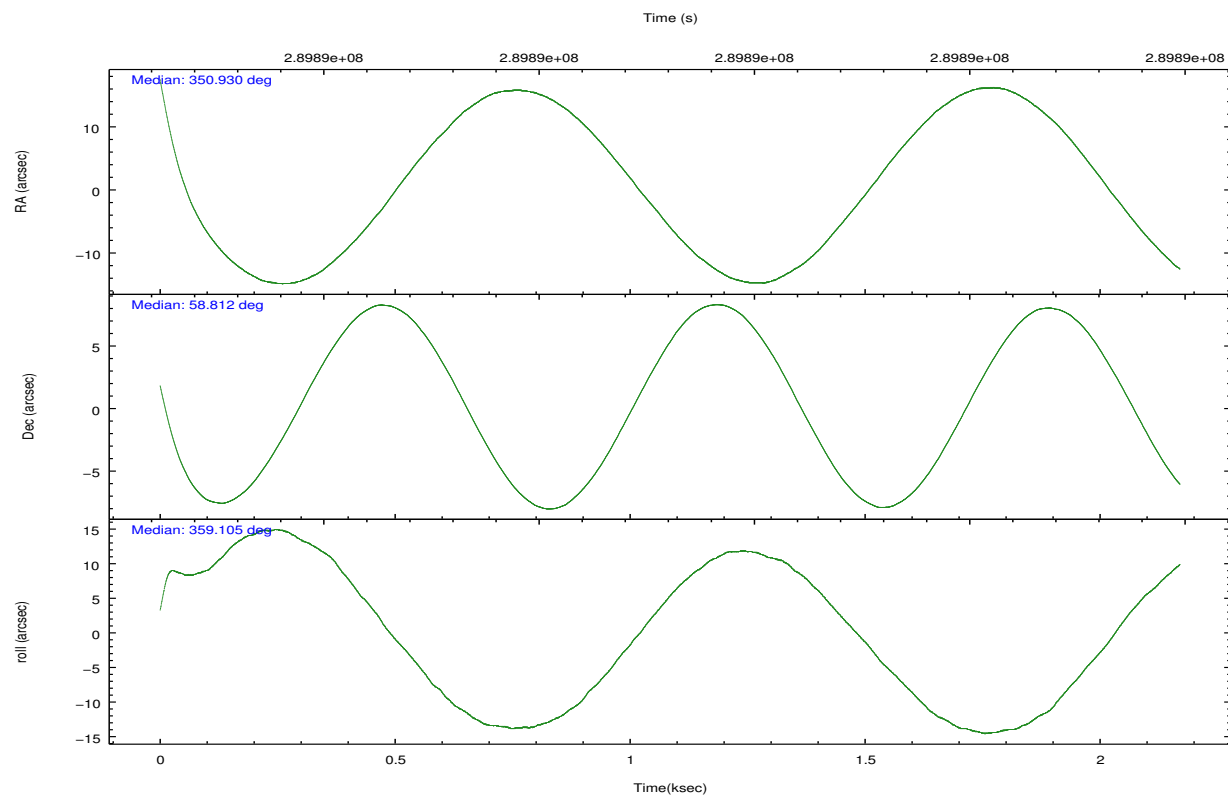
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-235678	ACIS-235678
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	350.883988	350.9296940135031
[deg] Pointing Dec	58.798914	58.8125609211512
[deg] Pointing Roll	358.992006	359.1096081938946
[s] Window start time (MET)	286675265.184000	286675265.184000
[s] Window stop time (MET)	296956865.184000	296956865.184000
[mm] SIM focus pos	-0.684267	-0.6828225247311905
[mm] SIM defocus	0	0.001444936568705701
[mm] SIM translation stage pos	-190.132523	-190.1400660498719
[mm] SIM translation stage offset	0	0.00754346686406393
[s] Observation start time (MET)	289885387.184000	289884345.8595
Observation start date	2007-03-10T03:42:02	2007-03-10T03:25:45
[s] Observation end time (MET)	289887387.184000	289887573.58465
Observation end date	2007-03-10T04:15:22	2007-03-10T04:19:33
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3.2

2.3 Aspect



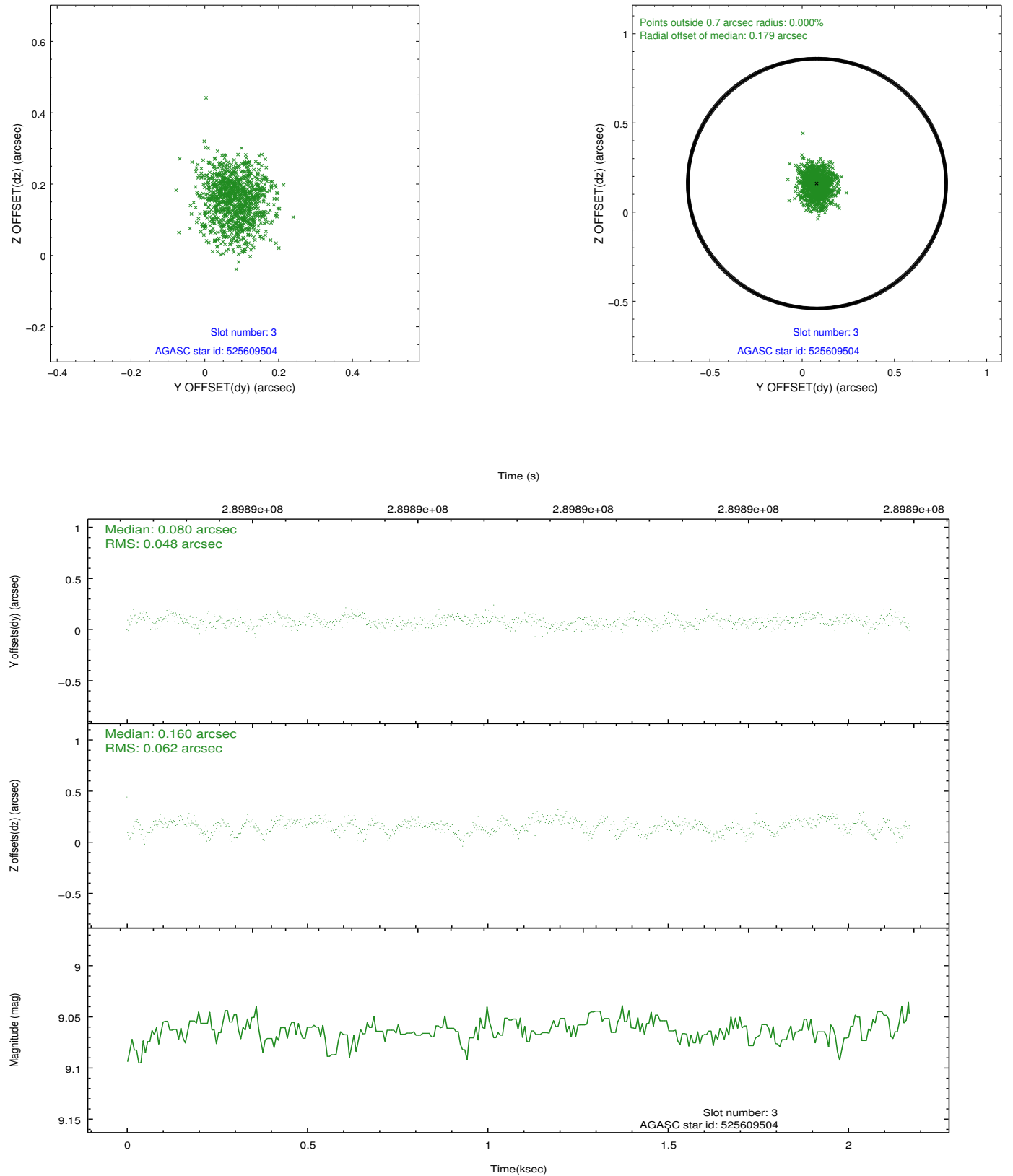


Slot Statistics

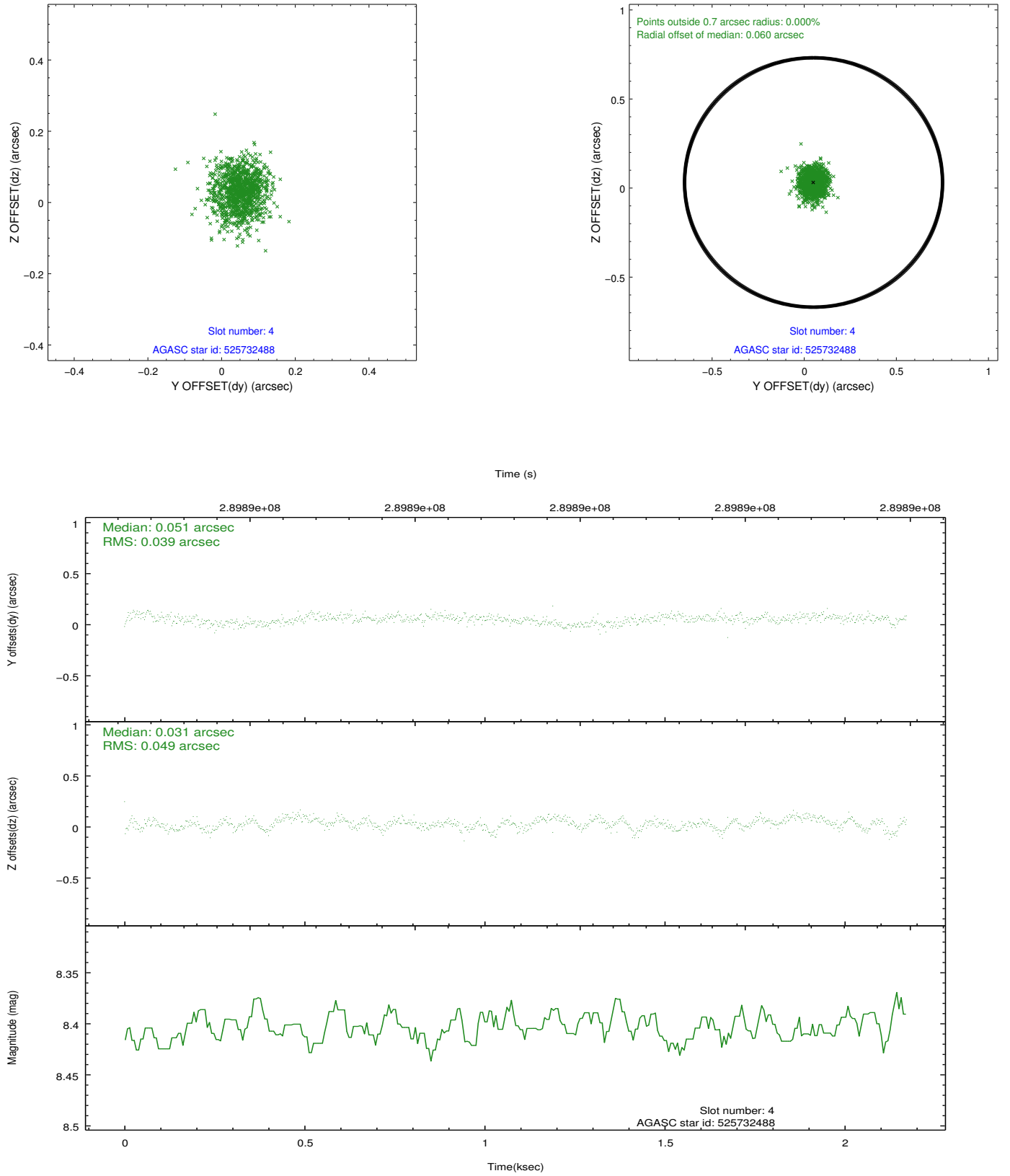
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	530	-0.132	-0.086	0.005	0.009	0.000000	0.000000	-768.34	-1736.06
1	FID	ACIS-S-4	7.20	530	0.143	0.071	0.006	0.011	0.000000	0.000000	2143.87	169.42
2	FID	ACIS-S-6	7.34	530	-0.039	0.023	0.007	0.013	0.000000	0.000000	397.62	810.21
3	GUIDE	525609504	9.06	1060	0.080	0.160	0.083	0.133	349.896632	58.356658	-1836.45	-1610.80
4	GUIDE	525732488	8.40	1059	0.051	0.031	0.068	0.107	350.087090	58.516915	-1481.49	-1033.92
5	GUIDE	525735456	6.92	1060	-0.113	-0.164	0.066	0.100	350.628183	59.307249	-503.65	1821.32
6	GUIDE	525737896	7.00	1060	-0.053	-0.103	0.064	0.098	352.012180	59.335036	2036.58	1985.71
7	GUIDE	525735976	8.72	1059	0.036	0.077	0.076	0.122	350.142956	58.277622	-1367.29	-1891.35

2.4 Star Slots

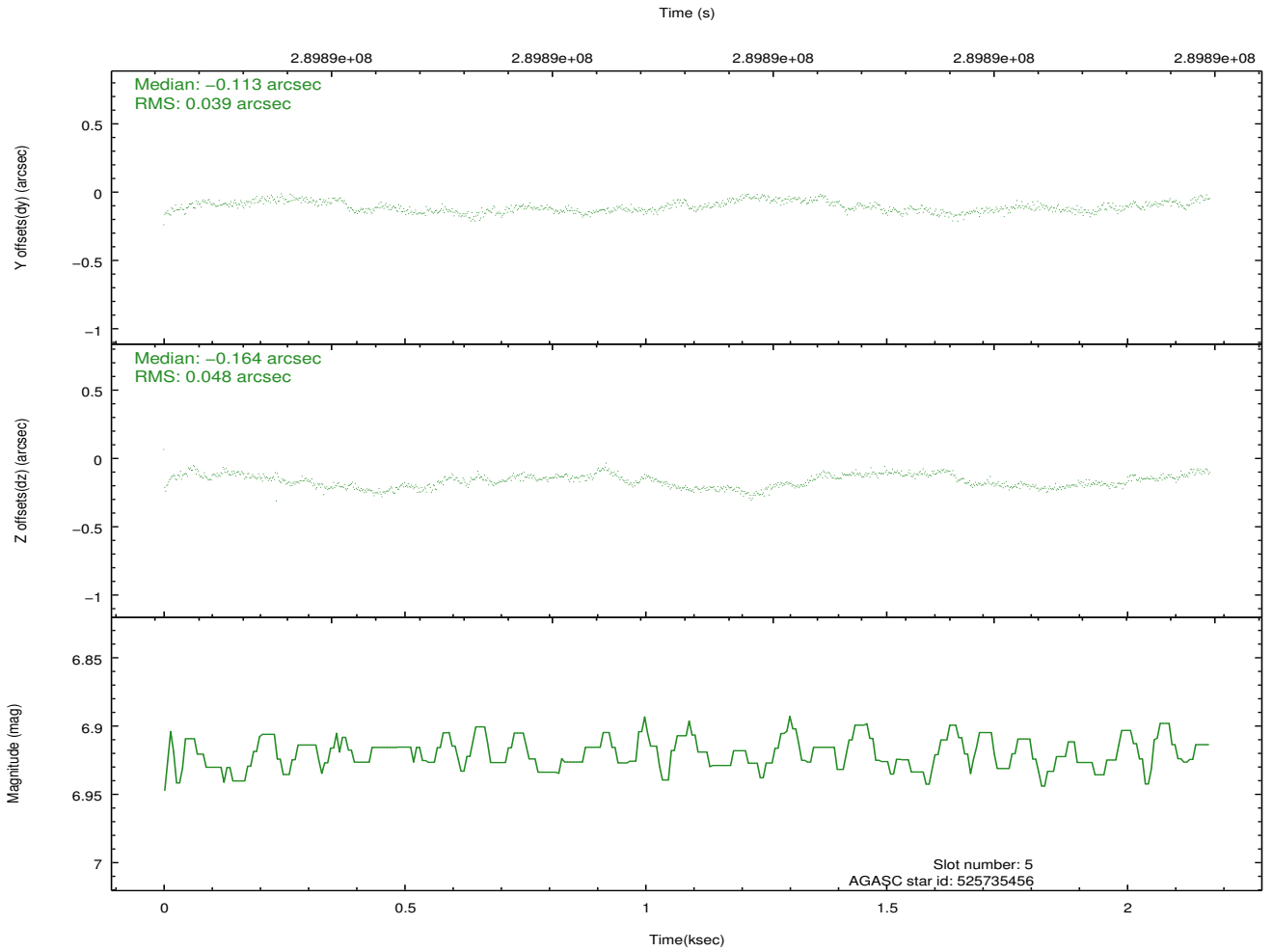
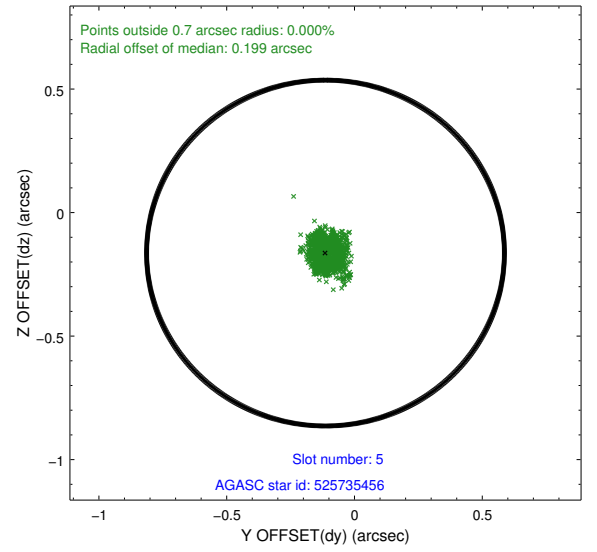
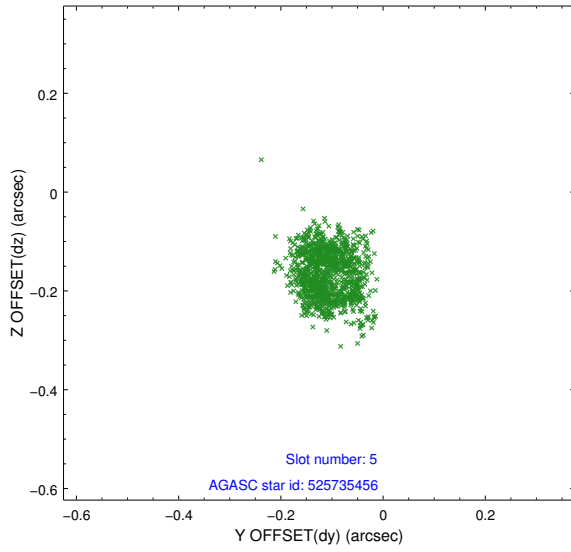
2.4.1 Slot 3



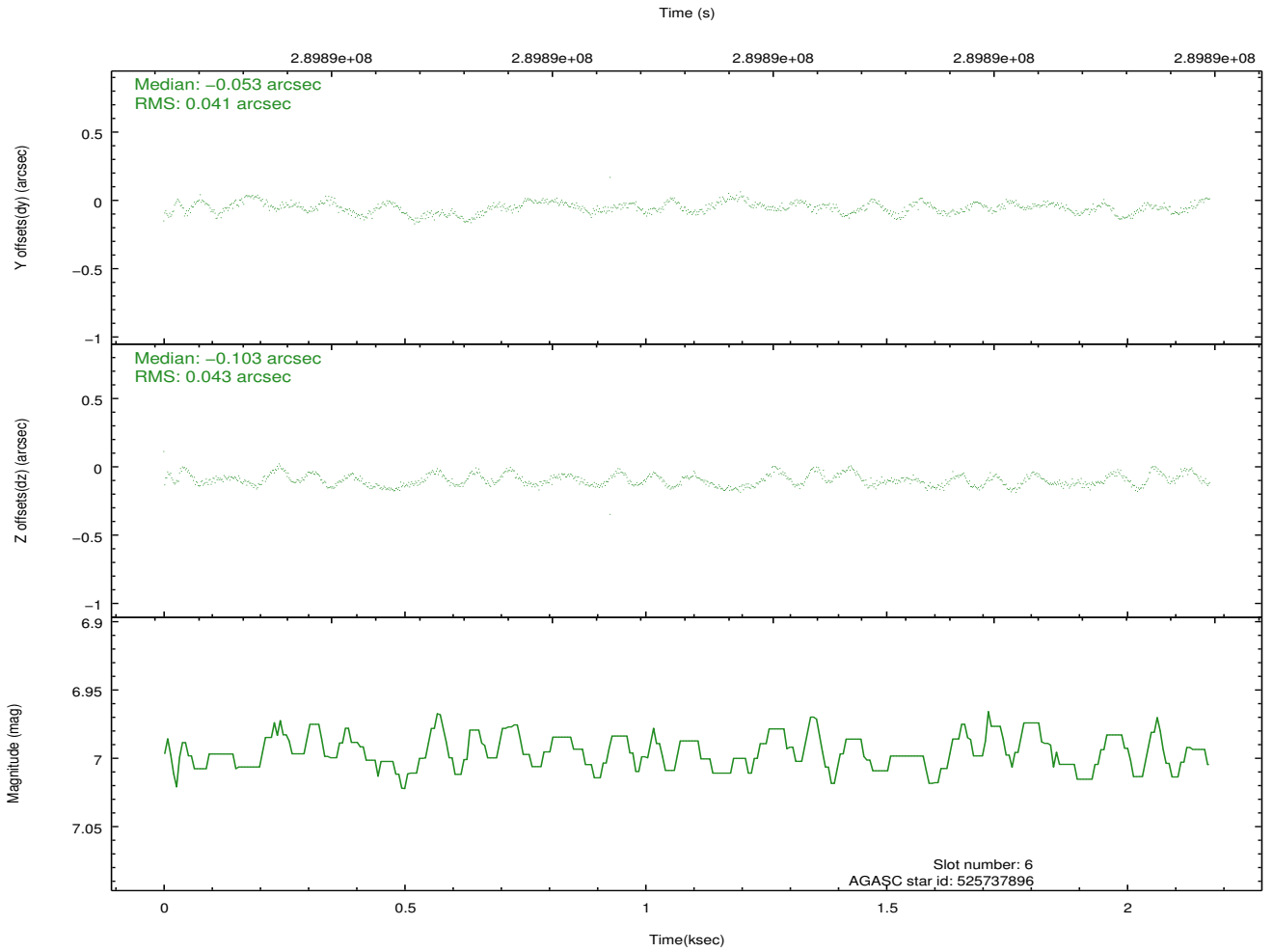
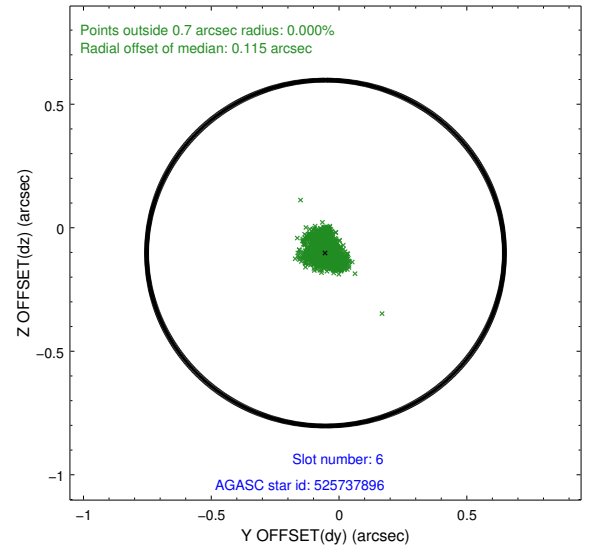
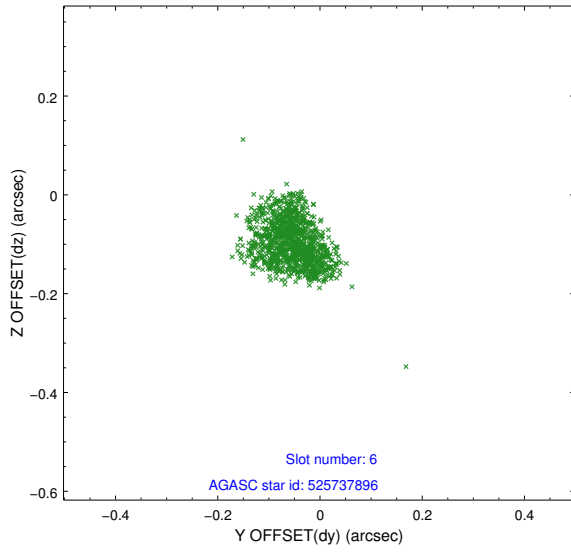
2.4.2 Slot 4



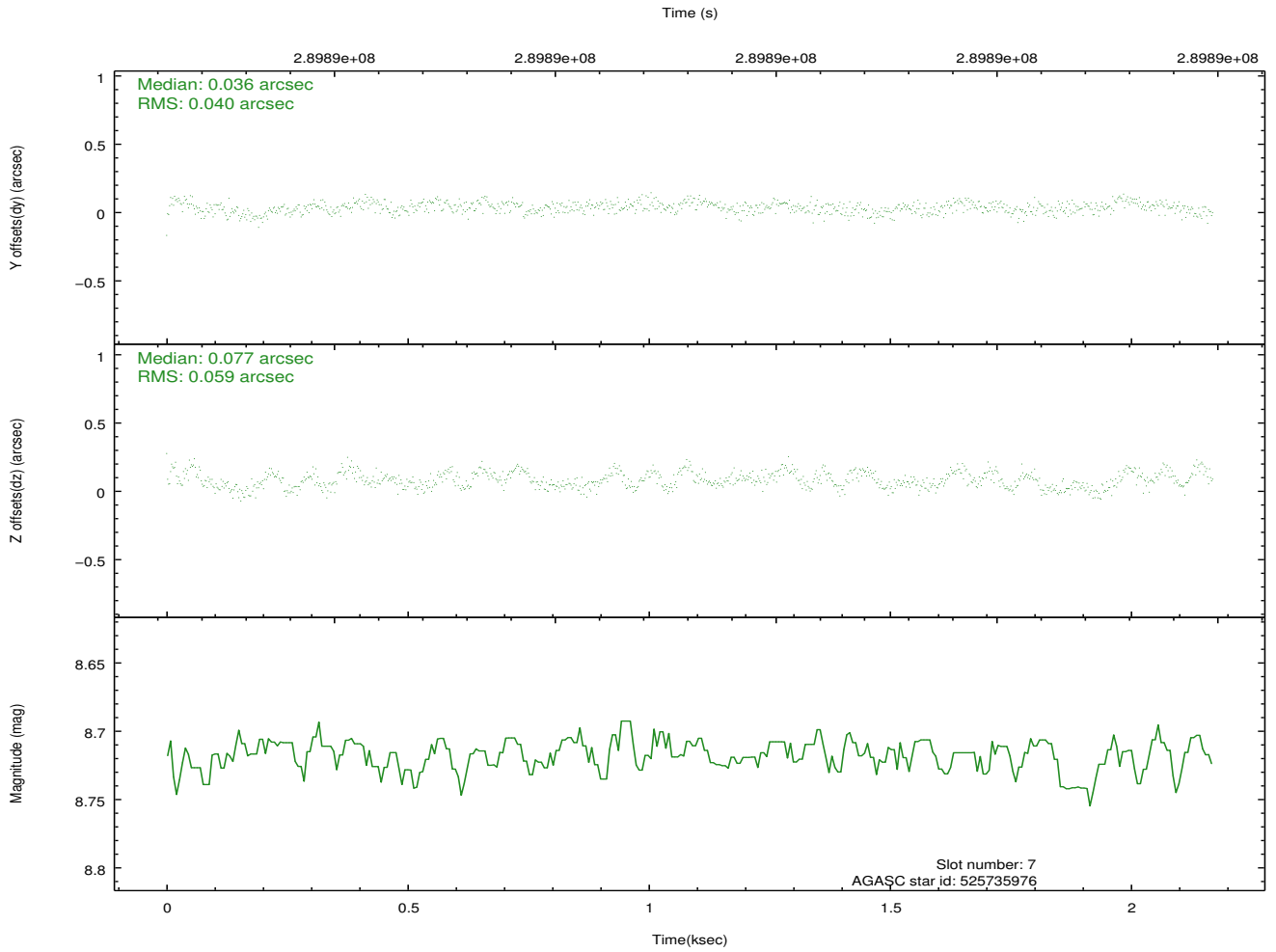
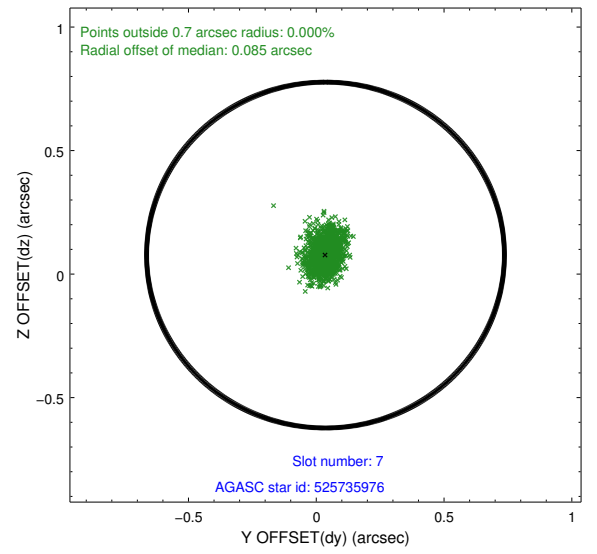
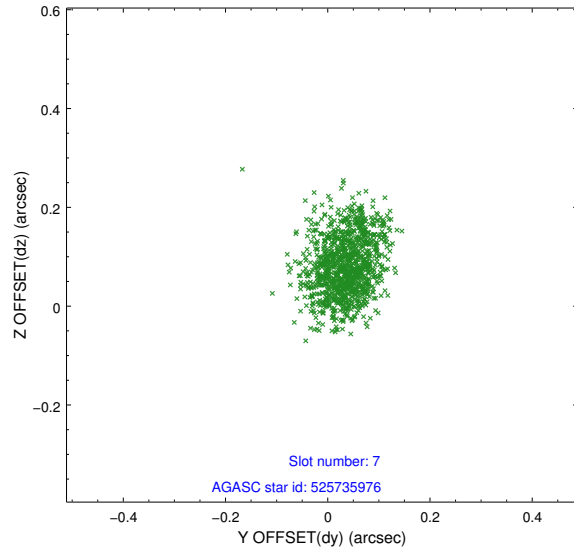
2.4.3 Slot 5



2.4.4 Slot 6

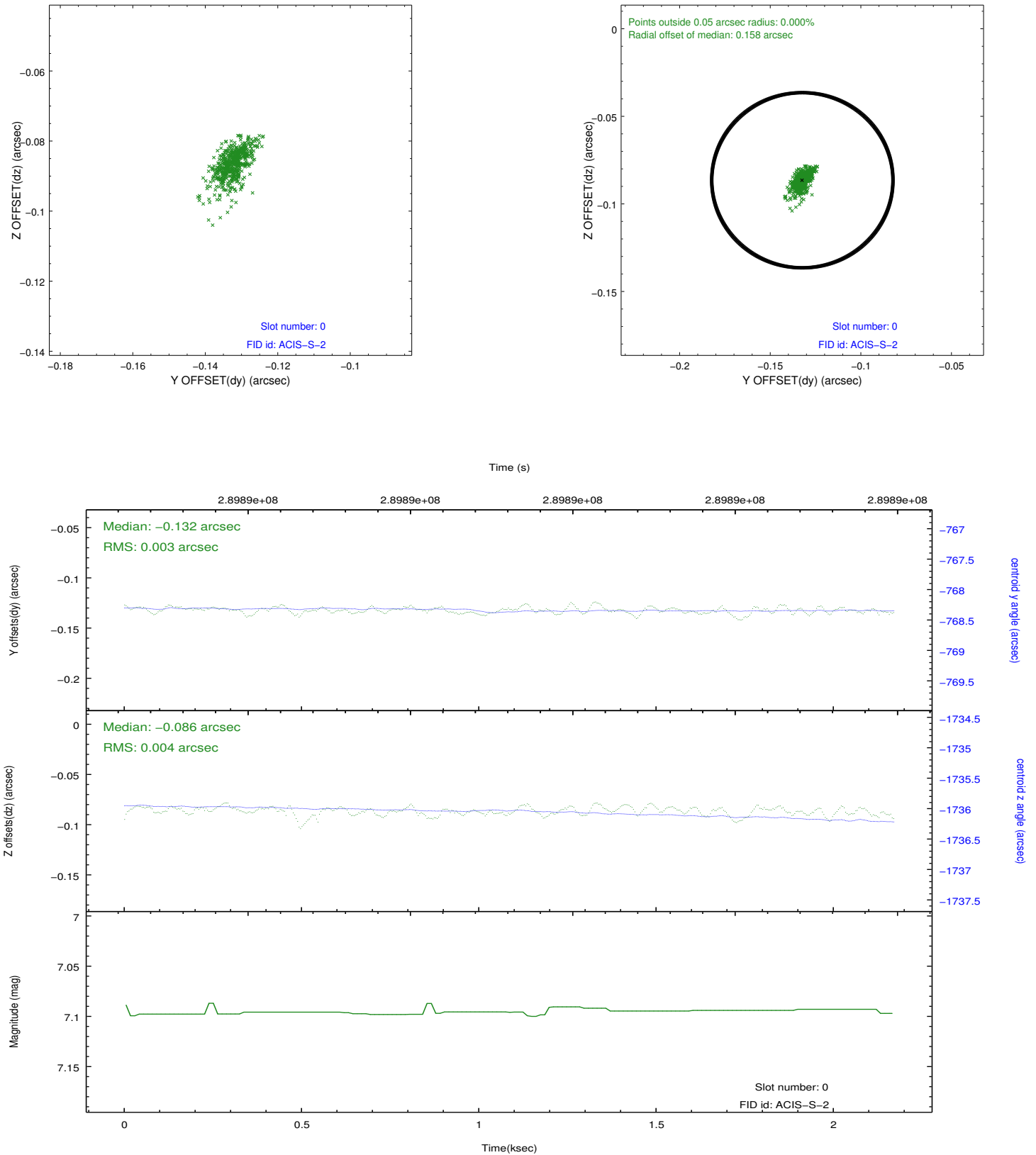


2.4.5 Slot 7

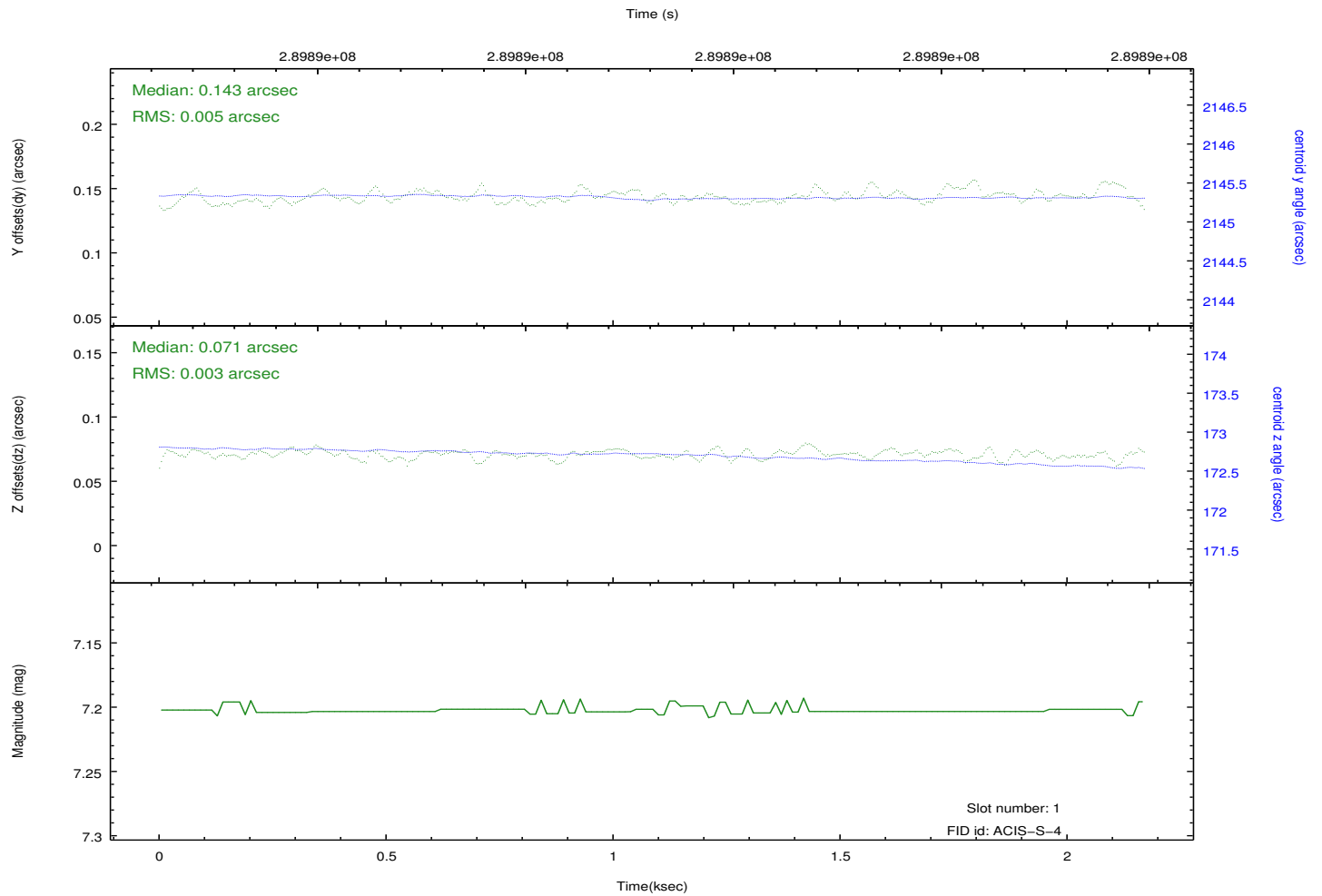
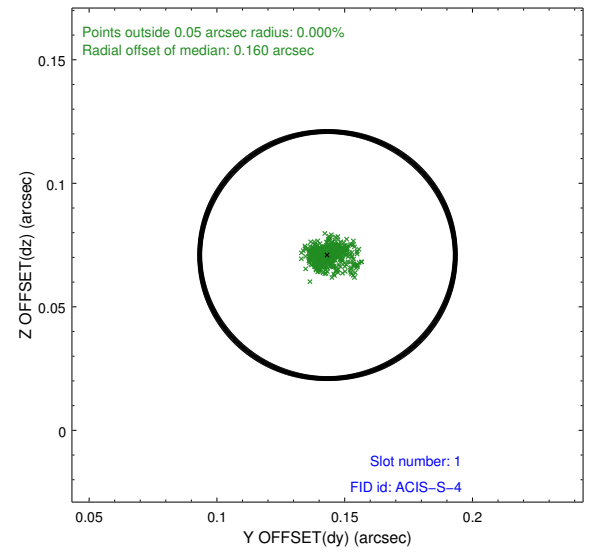
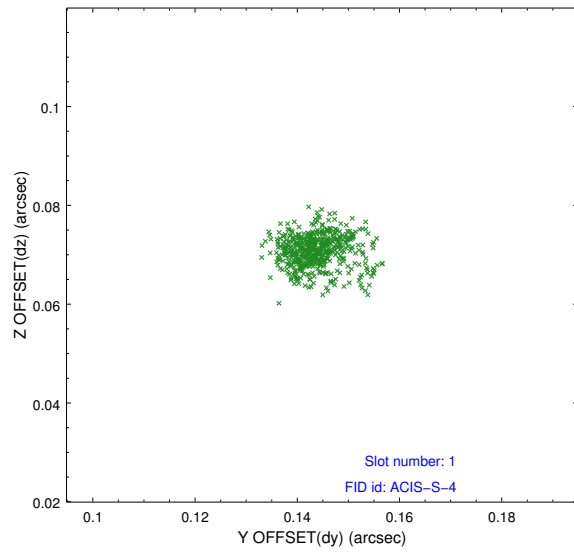


2.5 FID Slots

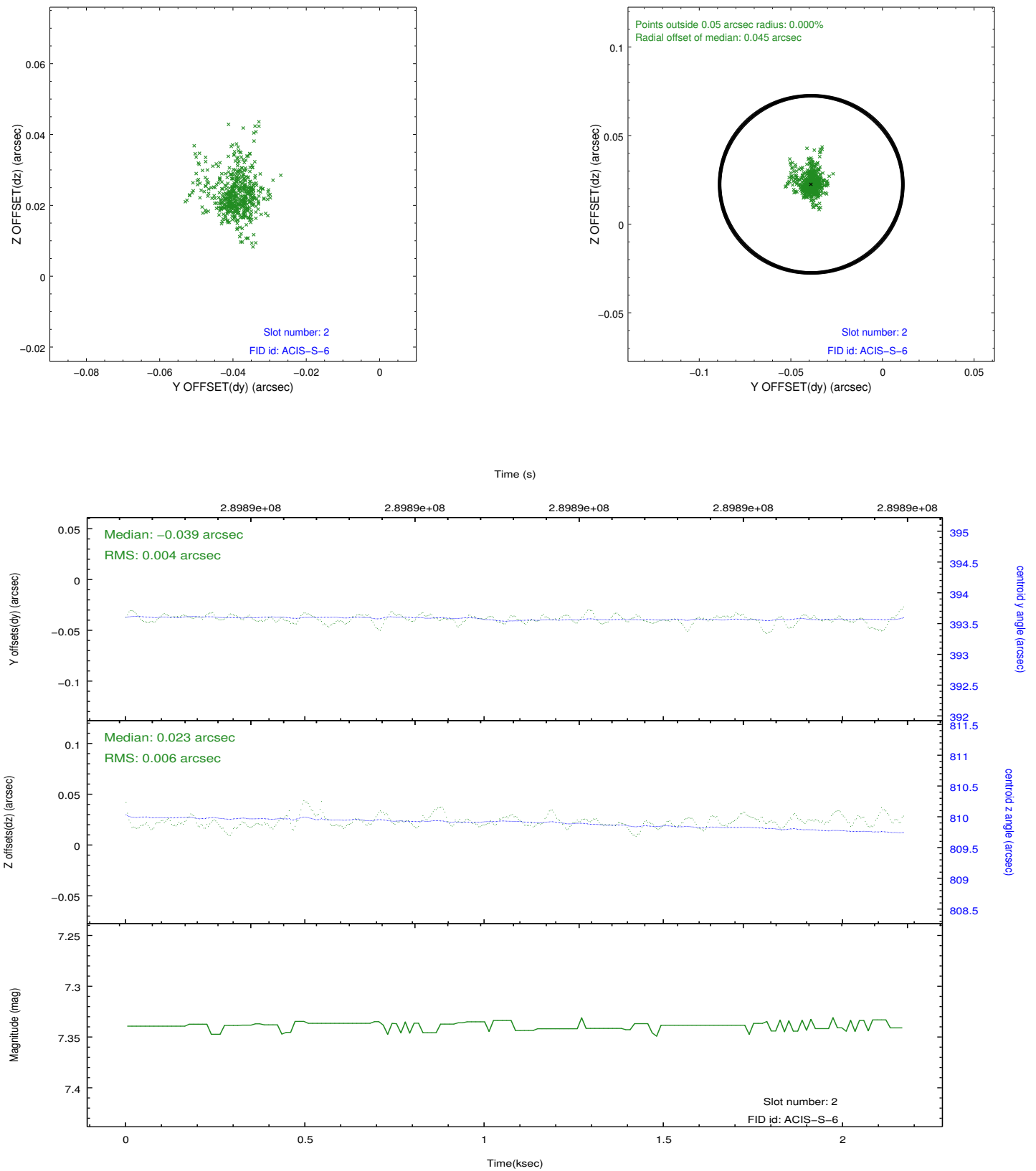
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2

A.2 Comments

Charge time for this observation remains at original value of 2 ksec, although with the current processing the charge time would have been 1.27 ksec.

Ontime is less than charge time due to telemetry saturation resulting in dropped exposures.

Window preference met.