

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4389 - L2 Version 001
Chandra X-Ray Center

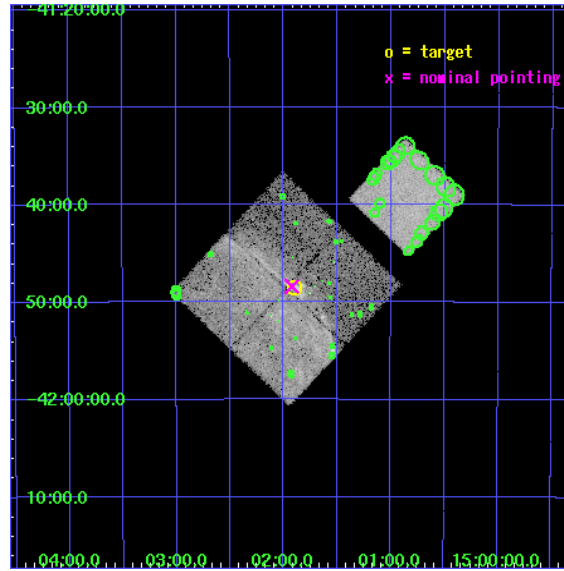
L2 Processing Date : Jul 30 2006

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

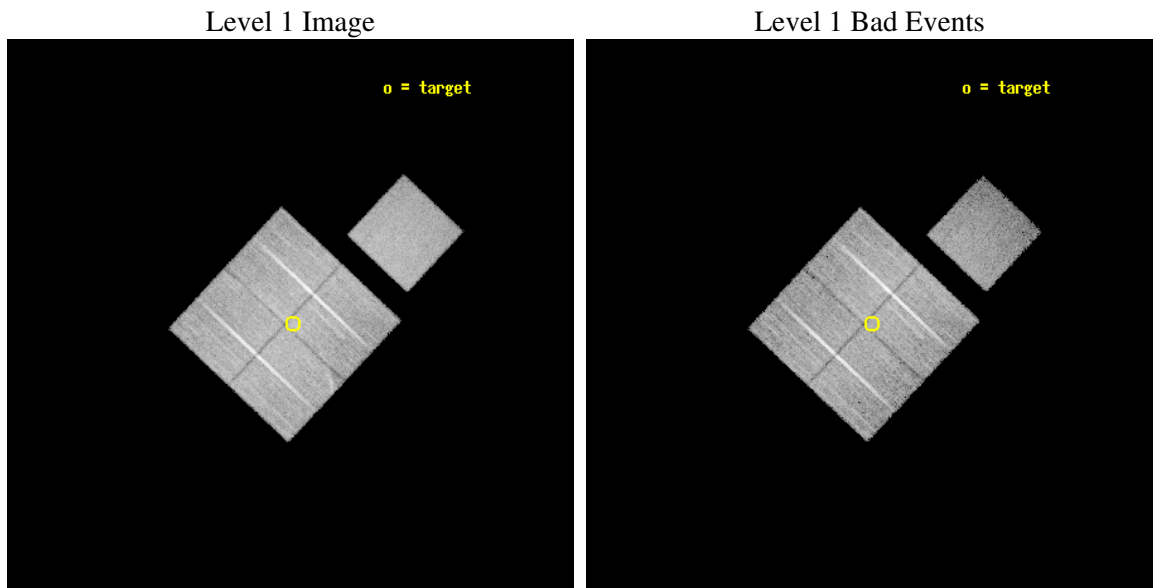
seq_num	500317
obs_id	4389
title	STUDYING HIGH MACH NUMBER SHOCKS IN YOUNG SUPERNOVA REMNANTS WITH CHANDRA
observer	Prof. John Hughes
object	SN1006
dtcycle	0
cycle	P
ra_targ	225.475
dec_targ	-41.8083
ra_nom	225.48084139315
dec_nom	-41.806674873101
roll_nom	43.212587478366
revision	2
ontime	20050.71798104
livetime	19788.740589494
ontime0	20053.858981222
ontime1	20056.999961436
ontime2	20050.718000978
ontime3	20050.71798104
ontime7	20056.999961436
l2events	110627



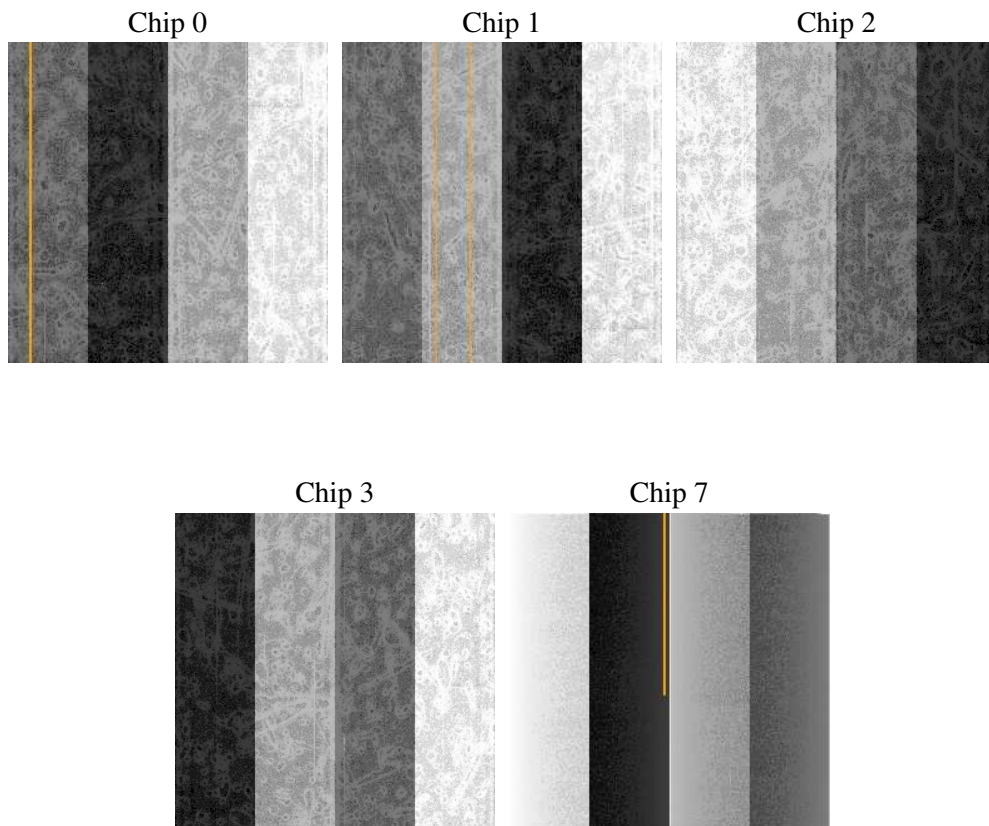
2 OBI

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	2006-07-30T10:39:13
revision	2

sched_exp_time	20280.000000
ontime	20055.348026425
ontime0	20058.489026606
ontime1	20061.63000682
ontime2	20055.348046362
ontime3	20055.348026425
ontime7	20061.63000682
l1events	521650

2.1.4 Events

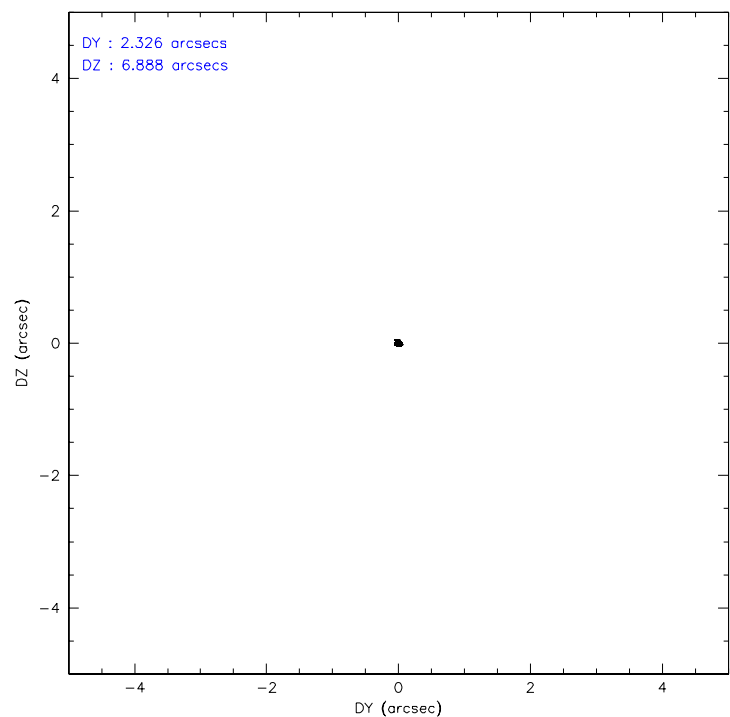
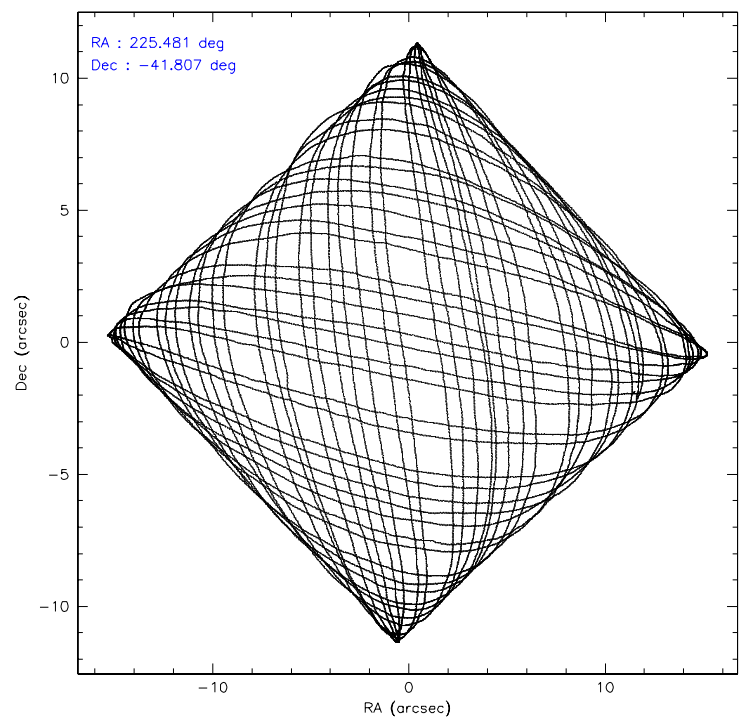
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
level 1 events	103983	111006	107164	104587	94910
rejected events	81113	81743	93679	91580	53000
rejected %	78%	73%	87%	87%	55%

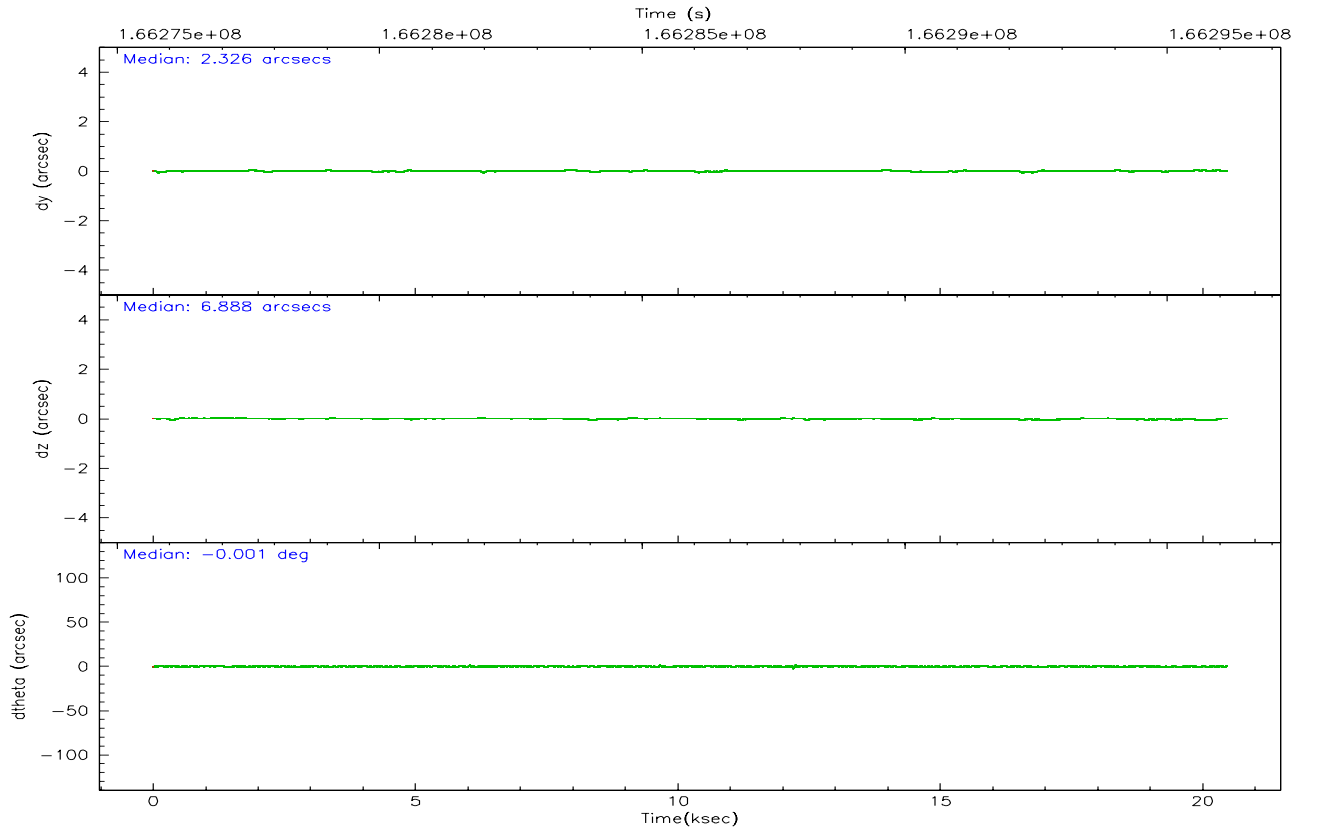
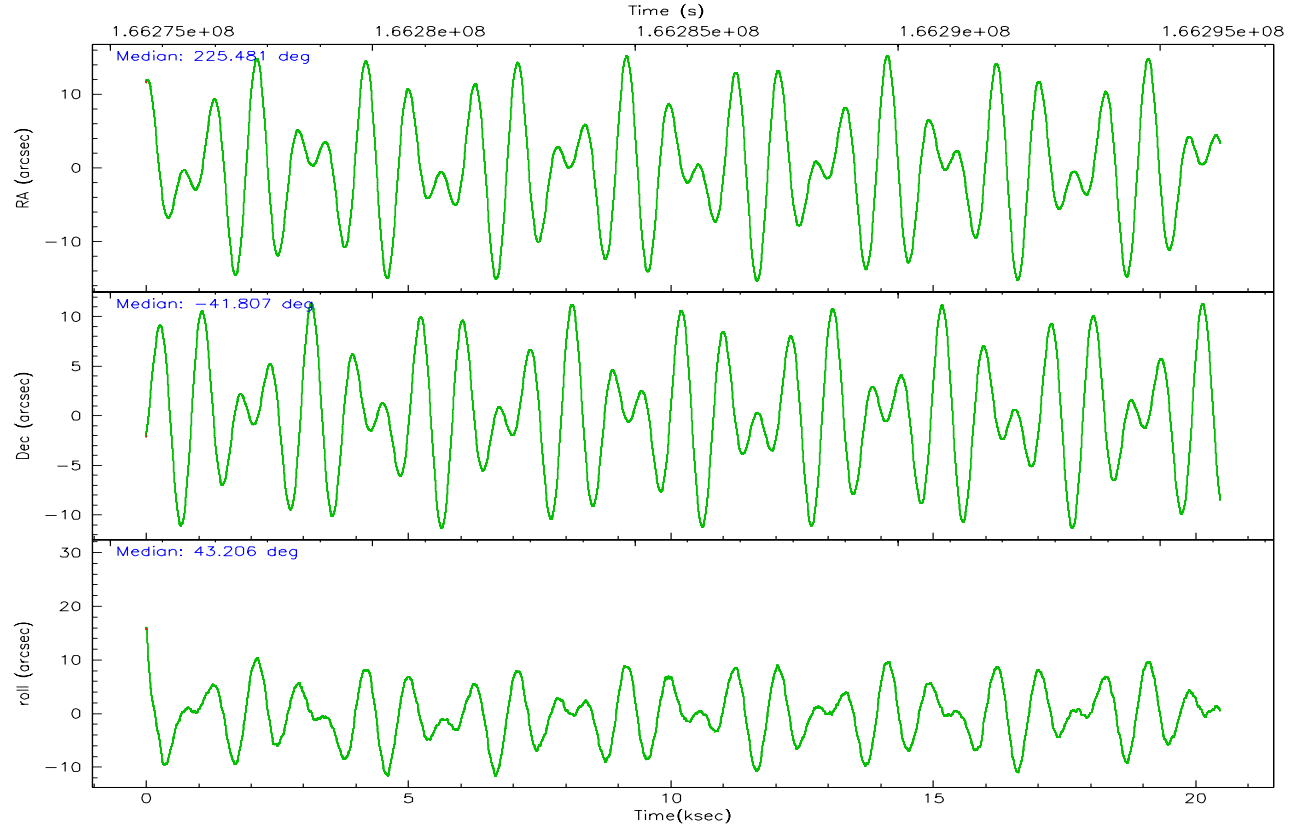
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 7
grade 0 events	15266	20529	7192	6775	2860
	14%	18%	6%	6%	3%
grade 1 events	94	103	66	67	45
	0%	0%	0%	0%	0%
grade 2 events	3103	3504	2360	2236	10156
	2%	3%	2%	2%	10%
grade 3 events	1346	1522	1120	1100	2293
	1%	1%	1%	1%	2%
grade 4 events	1254	1472	1112	1116	2267
	1%	1%	1%	1%	2%
grade 5 events	3006	3287	2817	3399	7311
	2%	2%	2%	3%	7%
grade 6 events	1907	2239	1703	1781	24344
	1%	2%	1%	1%	25%
grade 7 events	78007	78350	90794	88113	45634
	75%	70%	84%	84%	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01237	ACIS-01237	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	225.470369	225.4808413931535	Alternating exposures requested	N	N
Pointing Dec	-41.832944	-41.80667487310102	Primary exposure time	0.000000	3.1
Pointing Roll	42.996912	43.21258747836625			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	166275869.184000	166275492.83728			
Observation start date	2003-04-09T11:43:25	2003-04-09T11:38:12			
Observation end time	166296149.184000	166296282.91316			
Observation end date	2003-04-09T17:21:25	2003-04-09T17:24:42			
Read mode	TIMED	TIMED			

2.3 Aspect



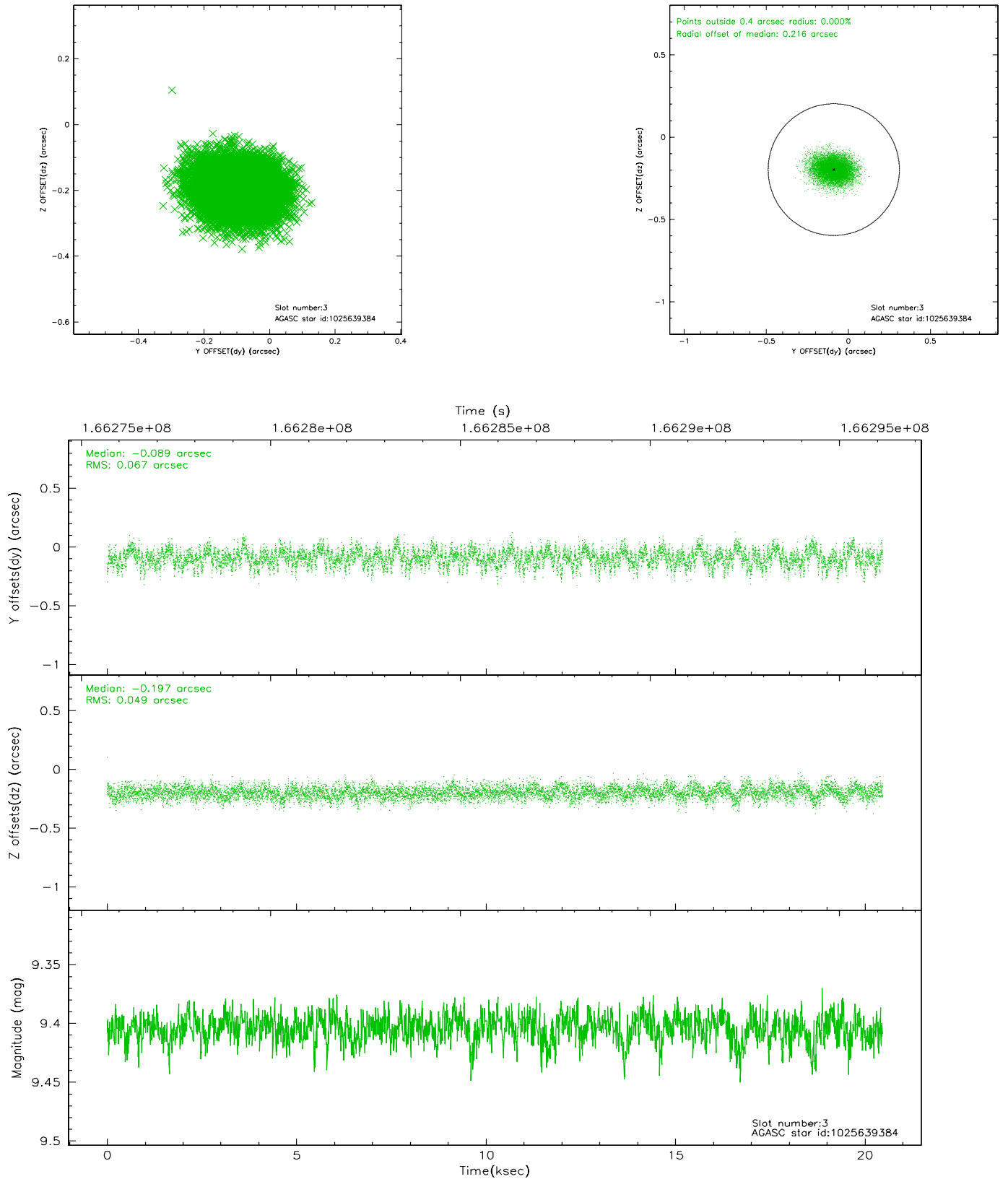


Slot Statistics

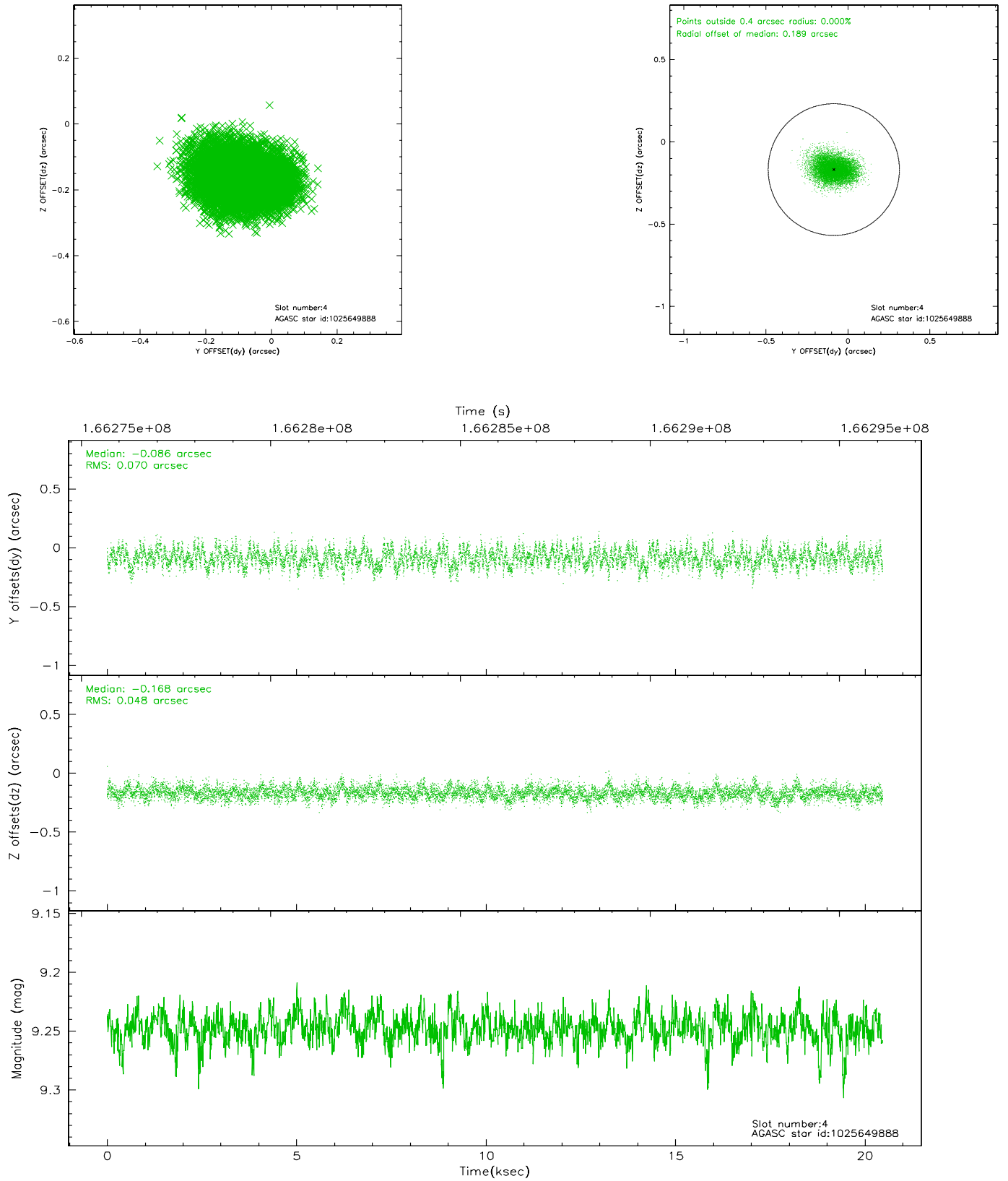
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4994	-0.009	0.029	0.006	0.010	0.000000	0.000000	937.46	-830.27
1	FID	ACIS-I-5	7.24	4994	-0.047	0.045	0.006	0.010	0.000000	0.000000	-1810.55	1067.21
2	FID	ACIS-I-6	7.26	4994	-0.035	-0.004	0.006	0.010	0.000000	0.000000	402.84	1711.82
3	GUIDE	1025639384	9.40	9970	-0.089	-0.197	0.088	0.145	225.439759	-41.063650	1827.78	2082.21
4	GUIDE	1025649888	9.25	9986	-0.086	-0.168	0.090	0.149	225.540879	-41.189826	1718.66	1563.26
5	GUIDE	1026170368	9.31	9983	0.125	0.087	0.078	0.129	225.763429	-42.291155	-554.40	-1739.57
6	GUIDE	1026183784	9.20	9983	-0.160	0.174	0.078	0.126	226.363370	-41.841537	1722.23	-1664.91
7	GUIDE	1026170800	9.01	9985	0.213	0.106	0.091	0.145	225.400024	-42.381702	-1483.49	-1317.68

2.4 Star Slots

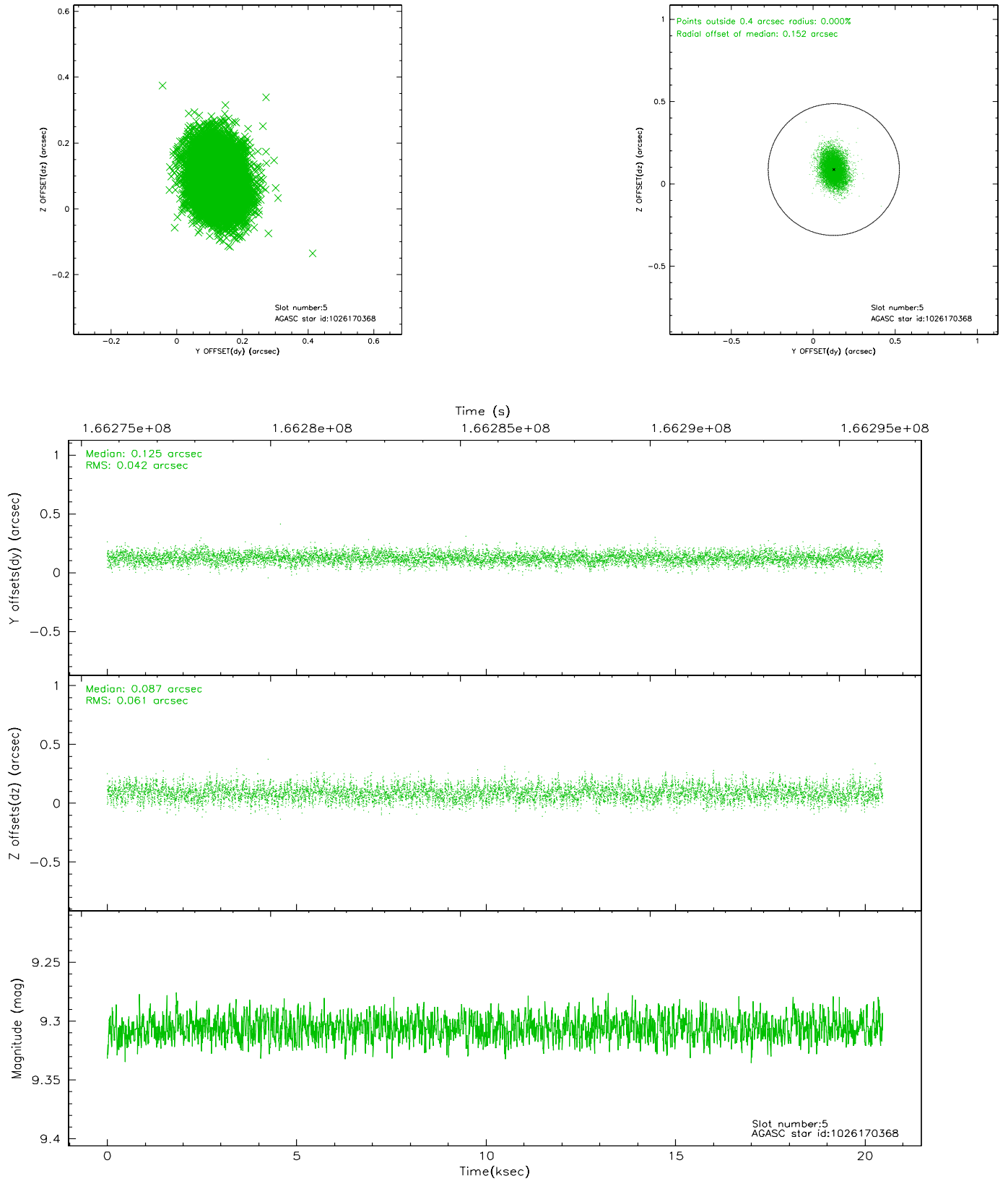
2.4.1 Slot 3



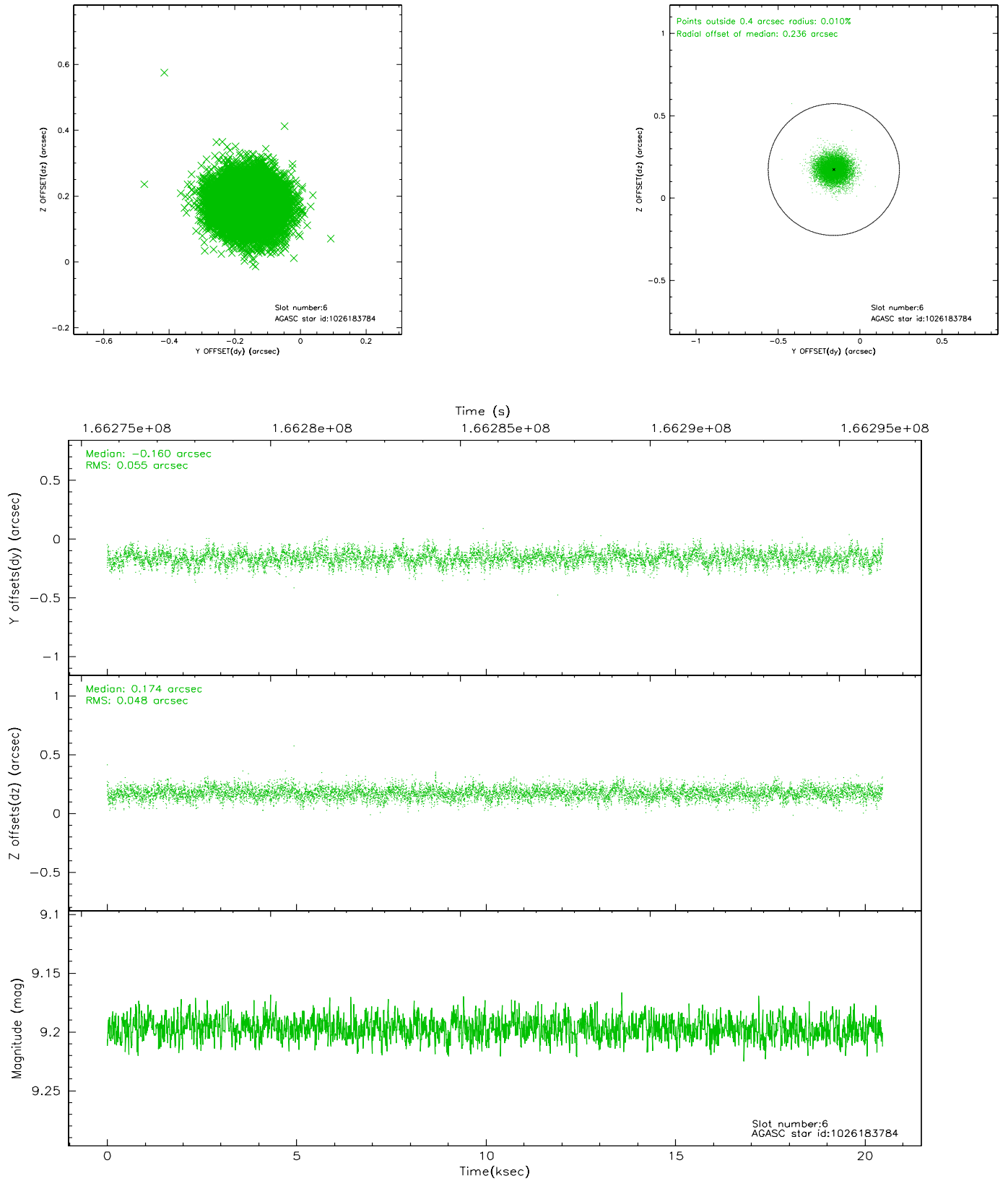
2.4.2 Slot 4



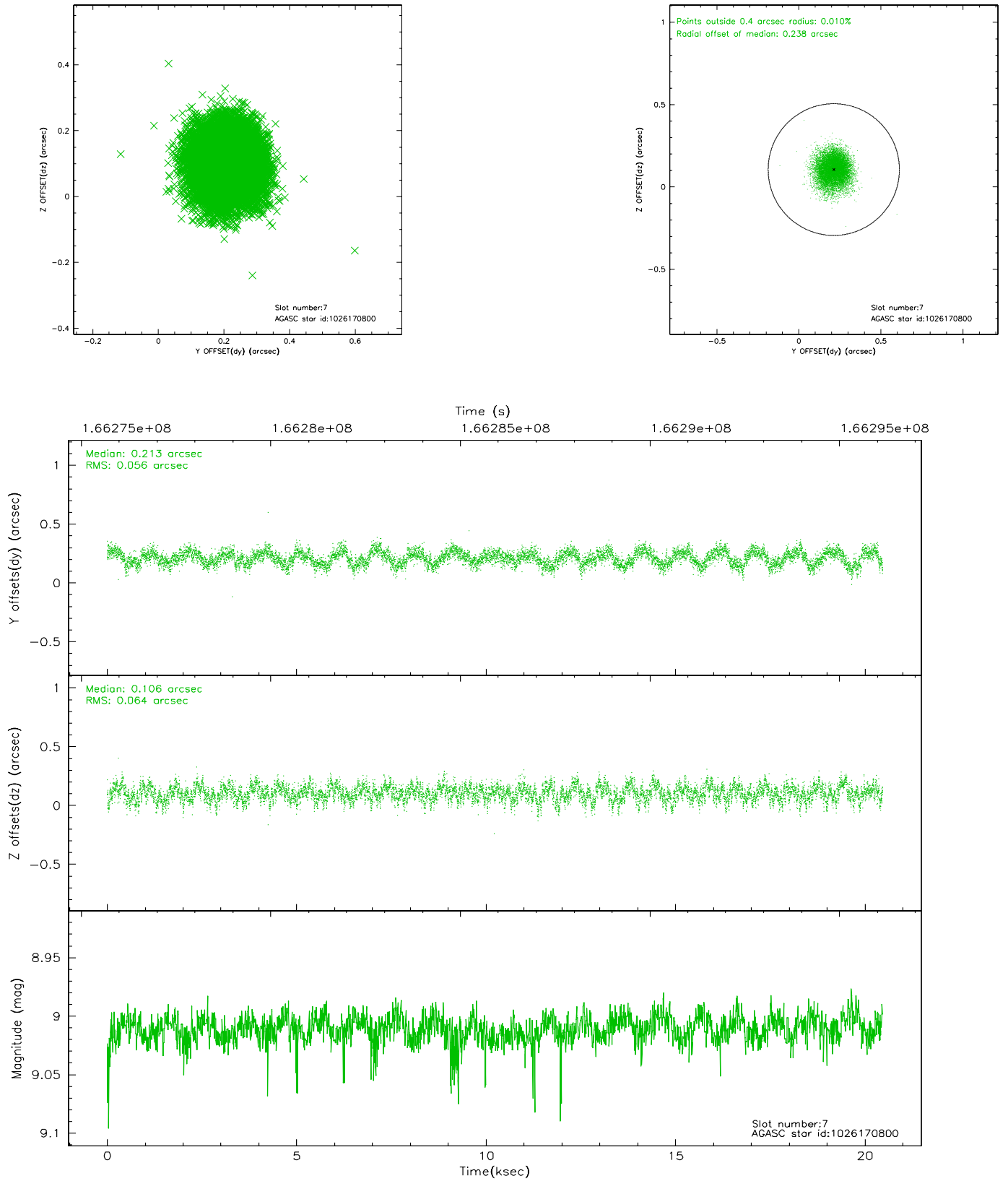
2.4.3 Slot 5



2.4.4 Slot 6

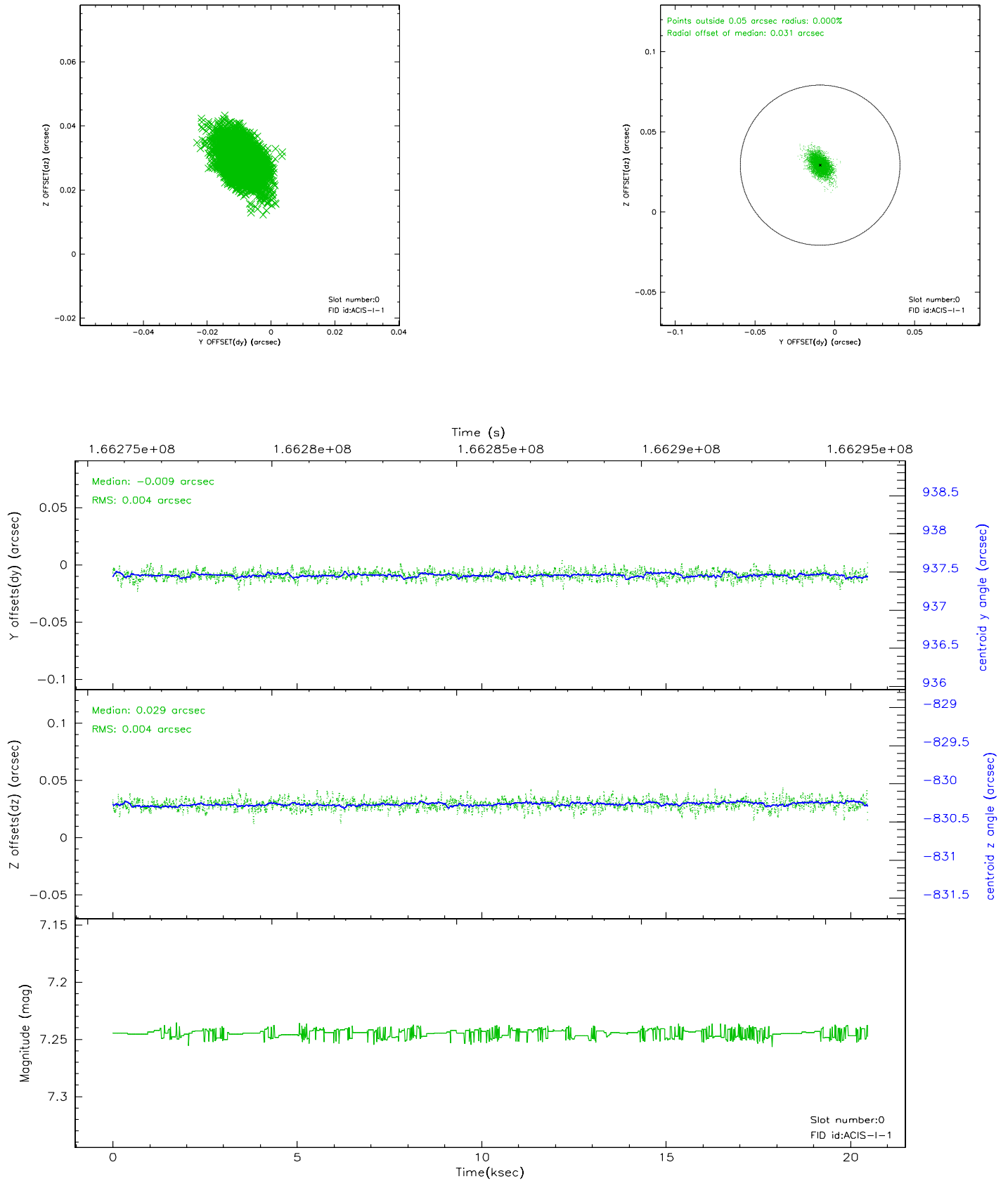


2.4.5 Slot 7

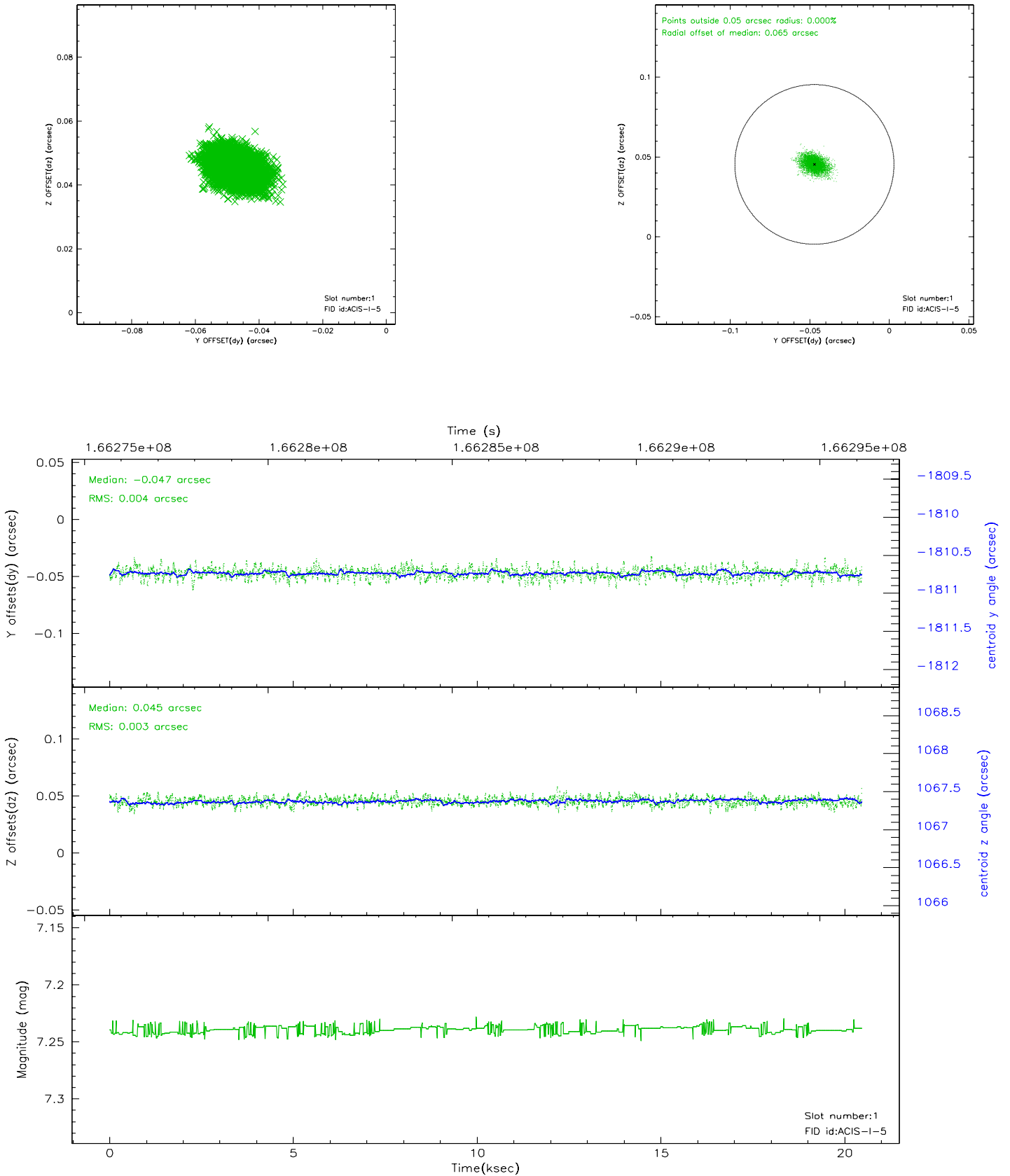


2.5 FID Slots

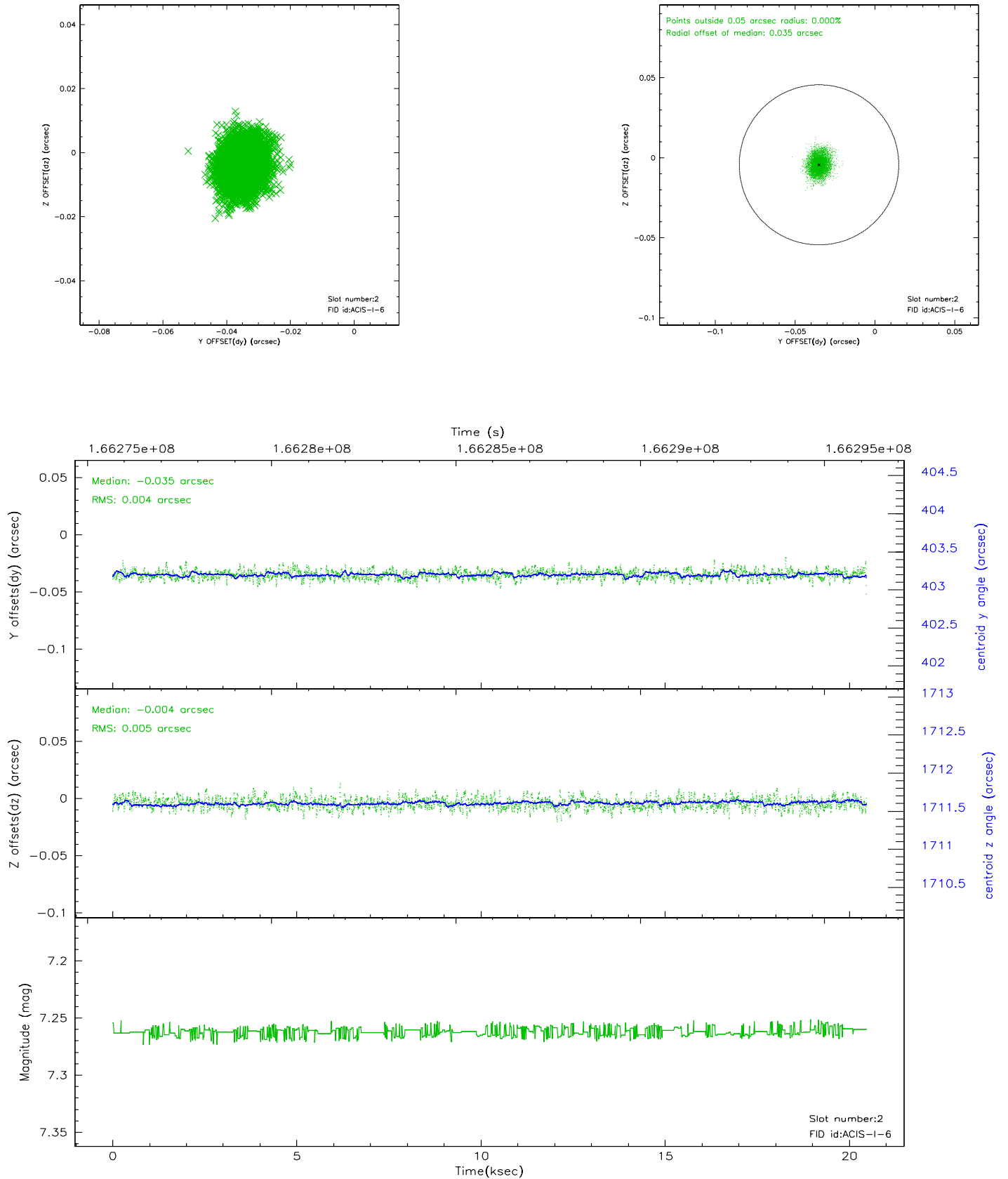
2.5.1 Slot 0



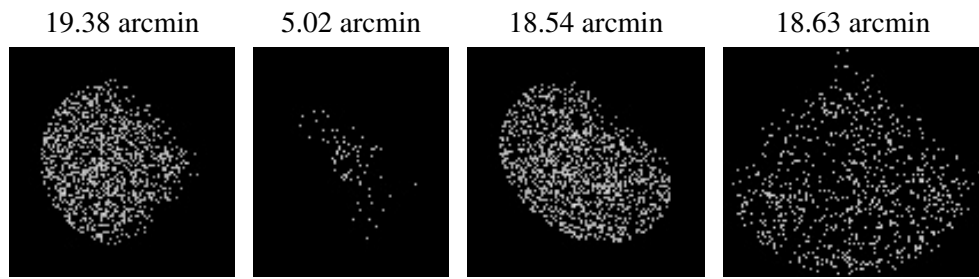
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.07.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.05

A.2 Comments