

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1825 - L2 Version 001
Chandra X-Ray Center

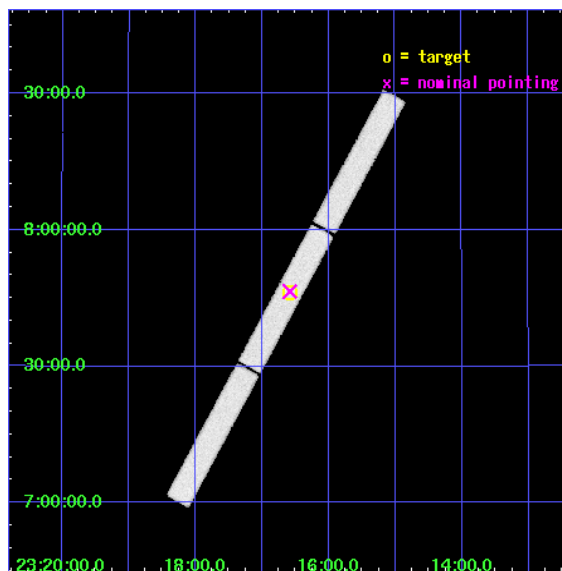
L2 Processing Date : Dec 11 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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	Gratings	17
3.1	LETG Arm	17
A	Summary	19
A.1	Status	19
A.2	Comments	19

1 Front

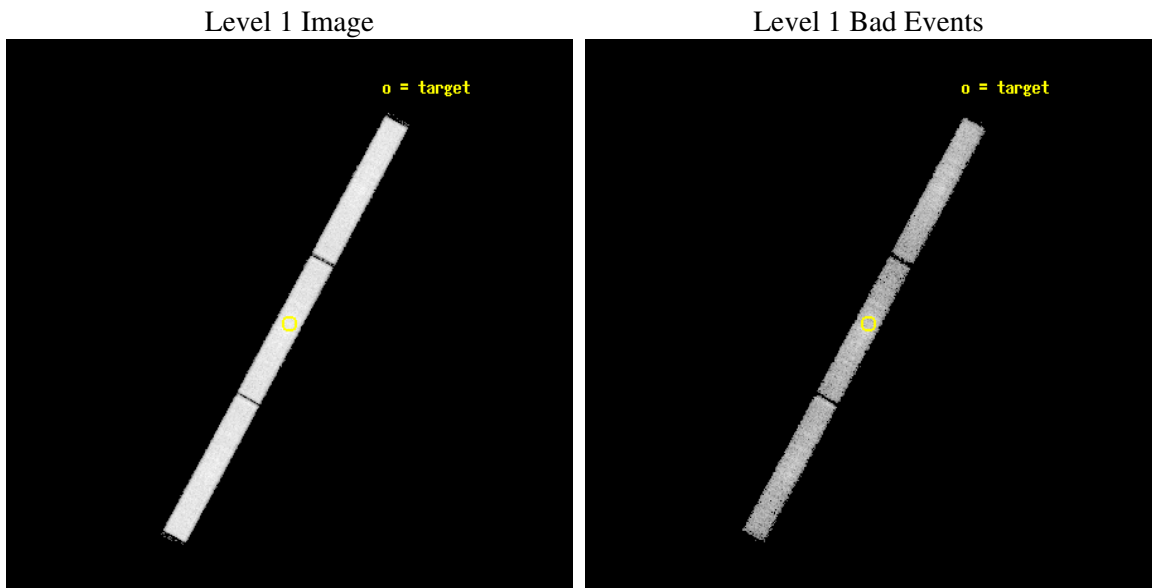
seq_num	100008
obs_id	1825
title	SOLVING THE PUZZLE OF COMETARY X-RAY ORIGIN: OBSERVATIONS OF COMET 10P/TEMPEL 2
observer	DR W. THOMAS VESTRAND
object	LINEAR 2001 A2
ra_targ	349.147617
dec_targ	7.771142
ra_nom	349.14569332272
dec_nom	7.7751431478789
roll_nom	118.43350882167
revision	2
ontime	2297.281339854
livetime	2281.3196398524
l2events	137093



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-11T22:15:18
revision	2

sched_exp_time	2150.000000
ontime	2349.5563418865
l1events	236337

2.1.3 Events

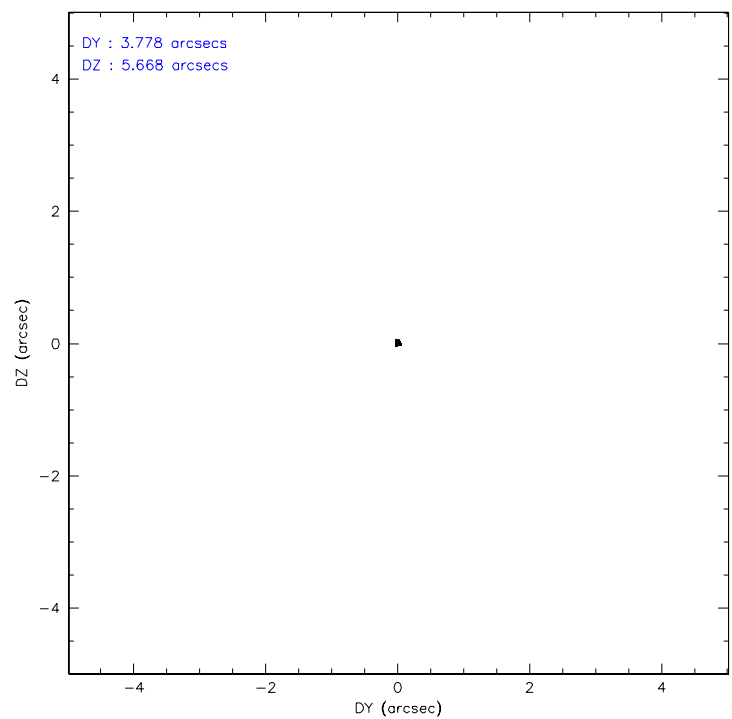
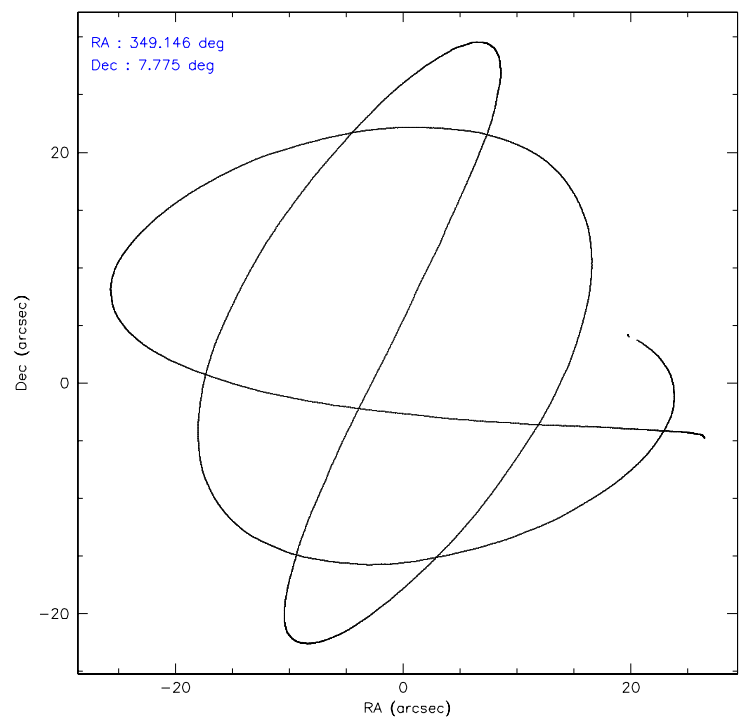
Level 1 Events

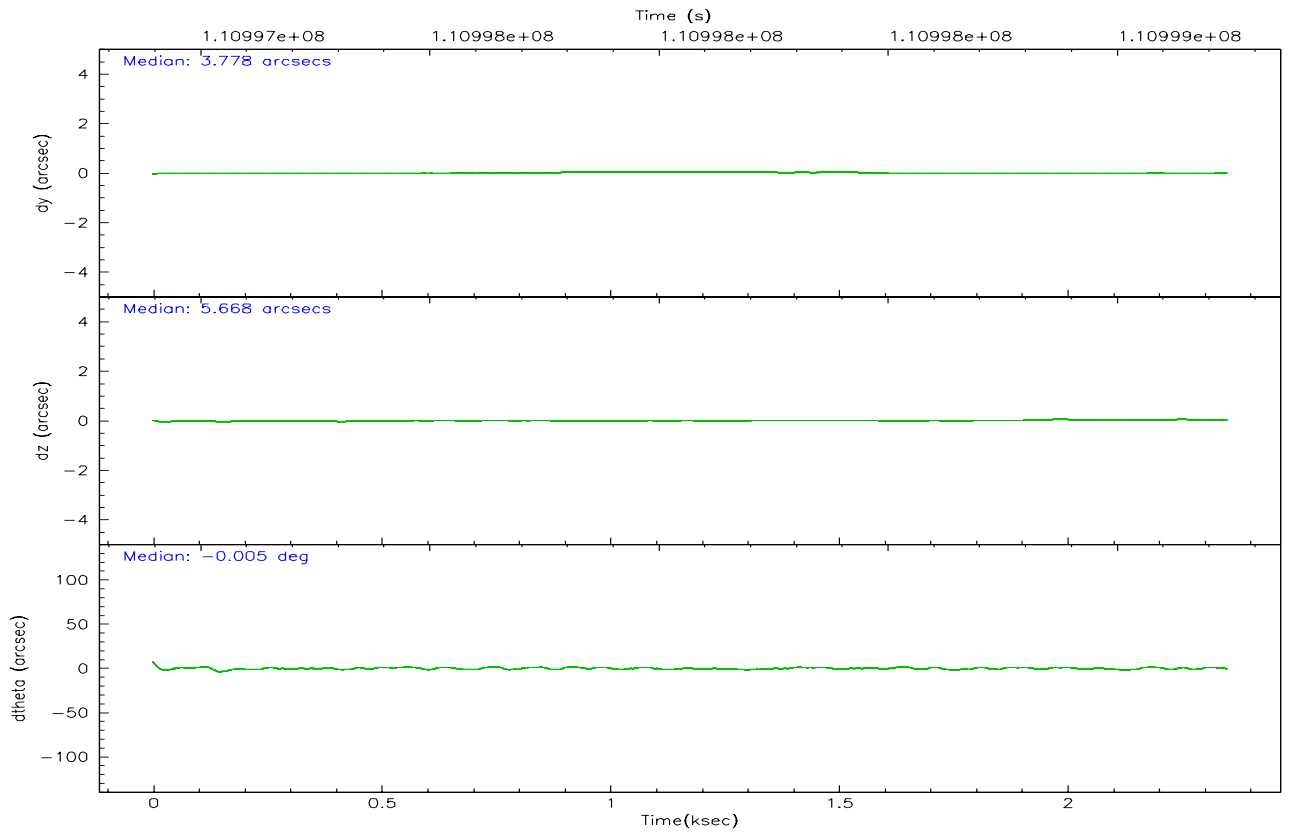
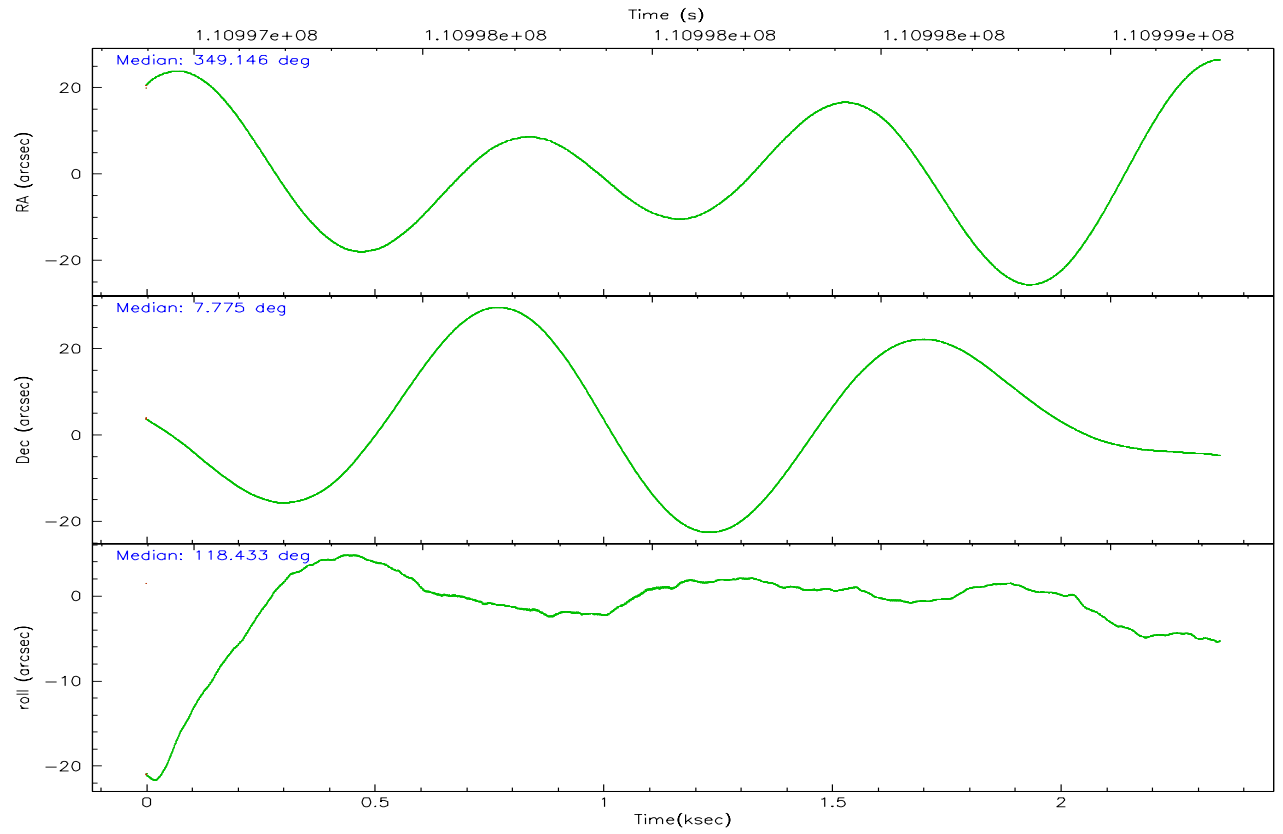
	segment 1	segment 2	segment 3
level 1 events	79335	78020	78982
rejected events	26145	26671	28982
rejected %	32%	34%	36%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	349.170799	349.1456933227176			
Pointing Dec	7.761581	7.775143147878884			
Pointing Roll	118.362770	118.4335088216732			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	110997094.184000	110996717.83262			
Observation start date	2001-07-08T16:30:30	2001-07-08T16:25:17			
Observation end time	110999244.184000	110999377.70772			
Observation end date	2001-07-08T17:06:20	2001-07-08T17:09:37			

2.3 Aspect



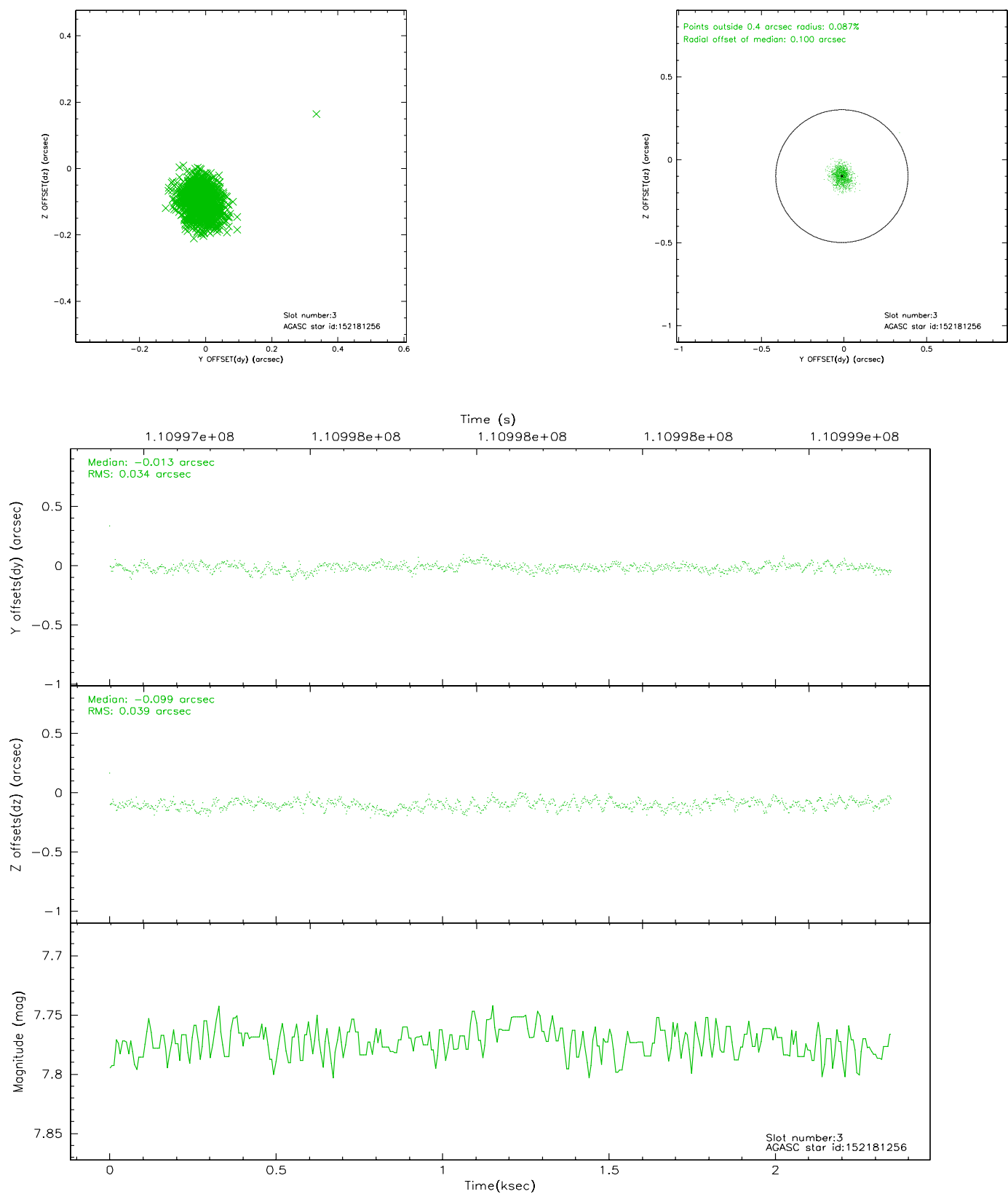


Slot Statistics

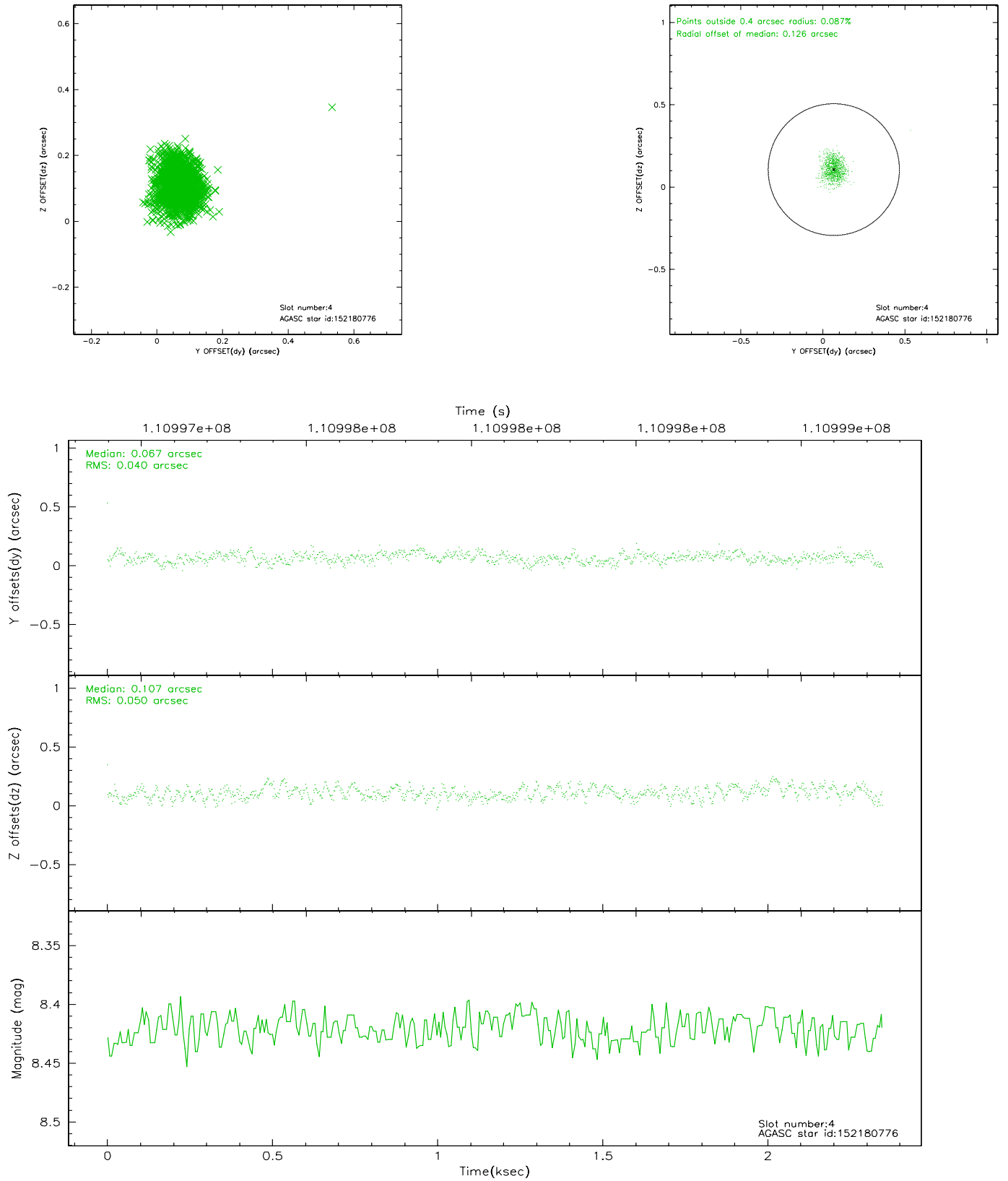
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.00	574	0.128	-0.162	0.007	0.010	0.000000	0.000000	-1157.84	-454.26
1	FID	HRC-S-3	7.01	574	0.168	-0.036	0.008	0.013	0.000000	0.000000	-1162.57	574.60
2	FID	HRC-S-4	6.94	574	0.092	-0.099	0.005	0.010	0.000000	0.000000	1238.32	578.97
3	GUIDE	152181256	7.77	1147	-0.013	-0.099	0.054	0.088	349.141958	7.580367	-524.71	400.42
4	GUIDE	152180776	8.42	1147	0.067	0.107	0.067	0.108	349.576658	7.835091	-454.02	-1399.31
5	GUIDE	152180360	8.59	1146	-0.094	0.089	0.057	0.091	349.110181	8.037159	975.63	-282.24
6	GUIDE	152188480	8.94	1145	-0.182	-0.107	0.074	0.120	348.517103	8.131940	2282.69	1415.62
7	GUIDE	76419040	9.10	1146	0.223	0.014	0.081	0.134	349.315769	7.117648	-2283.18	646.76

2.4 Star Slots

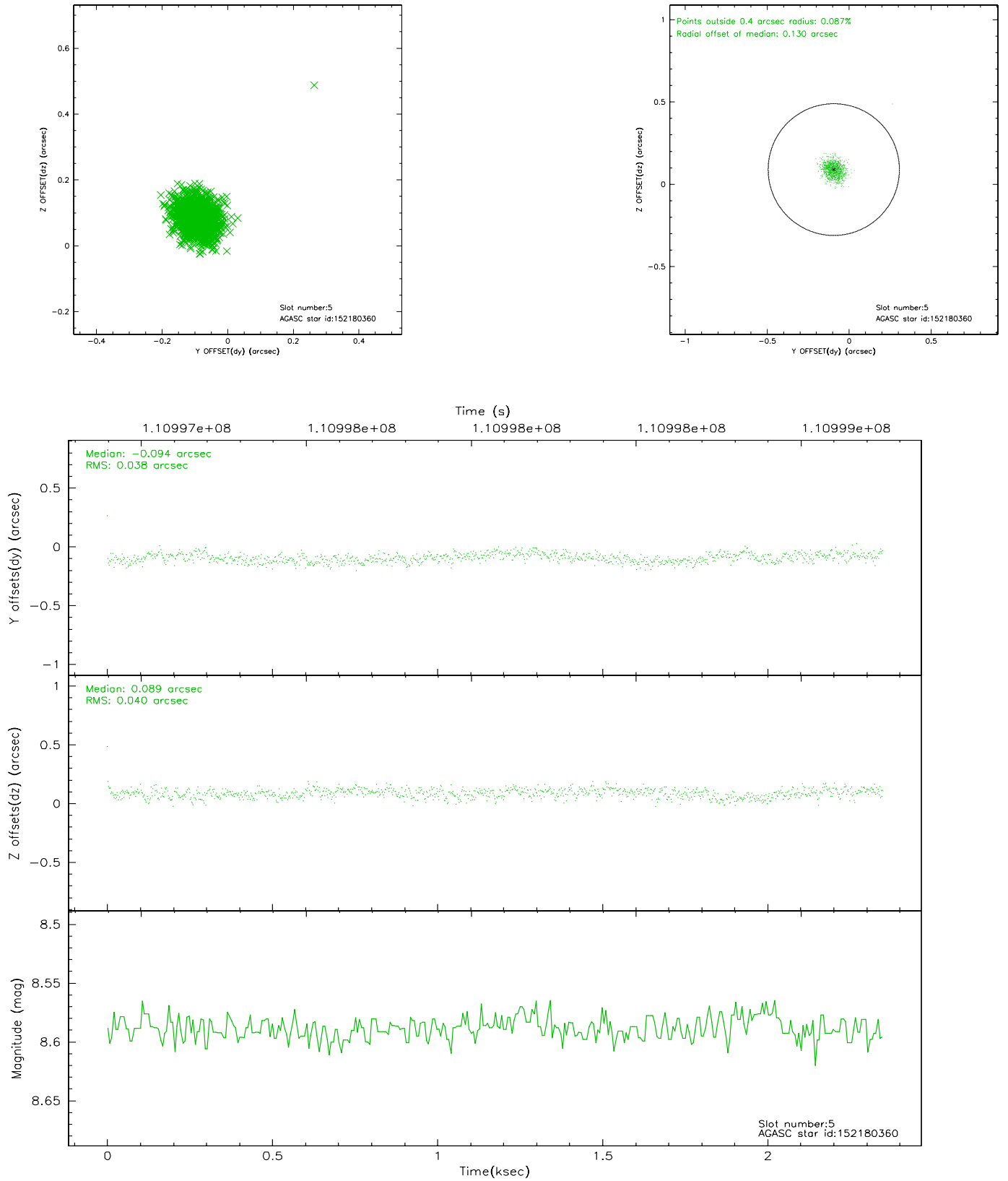
2.4.1 Slot 3



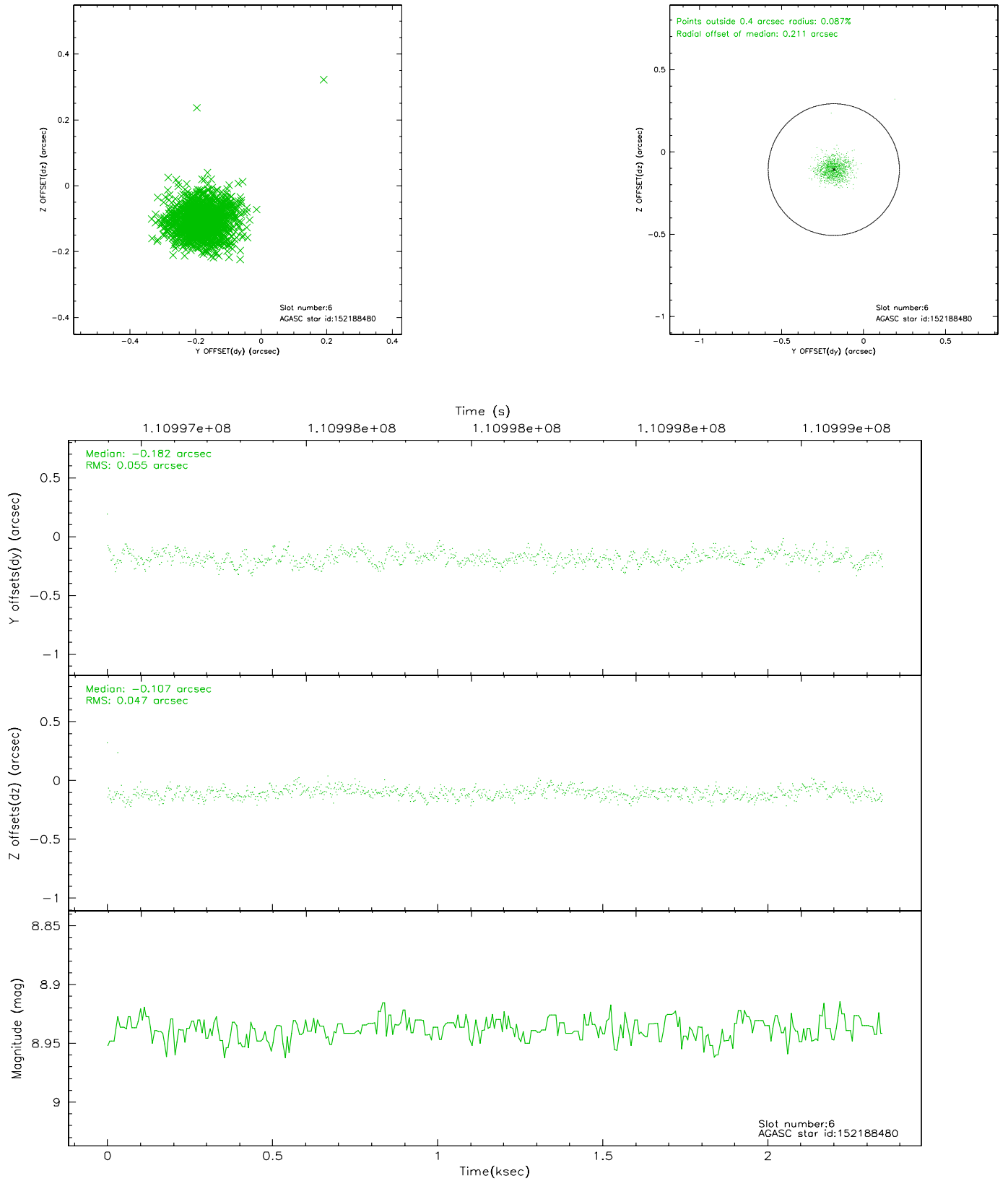
2.4.2 Slot 4



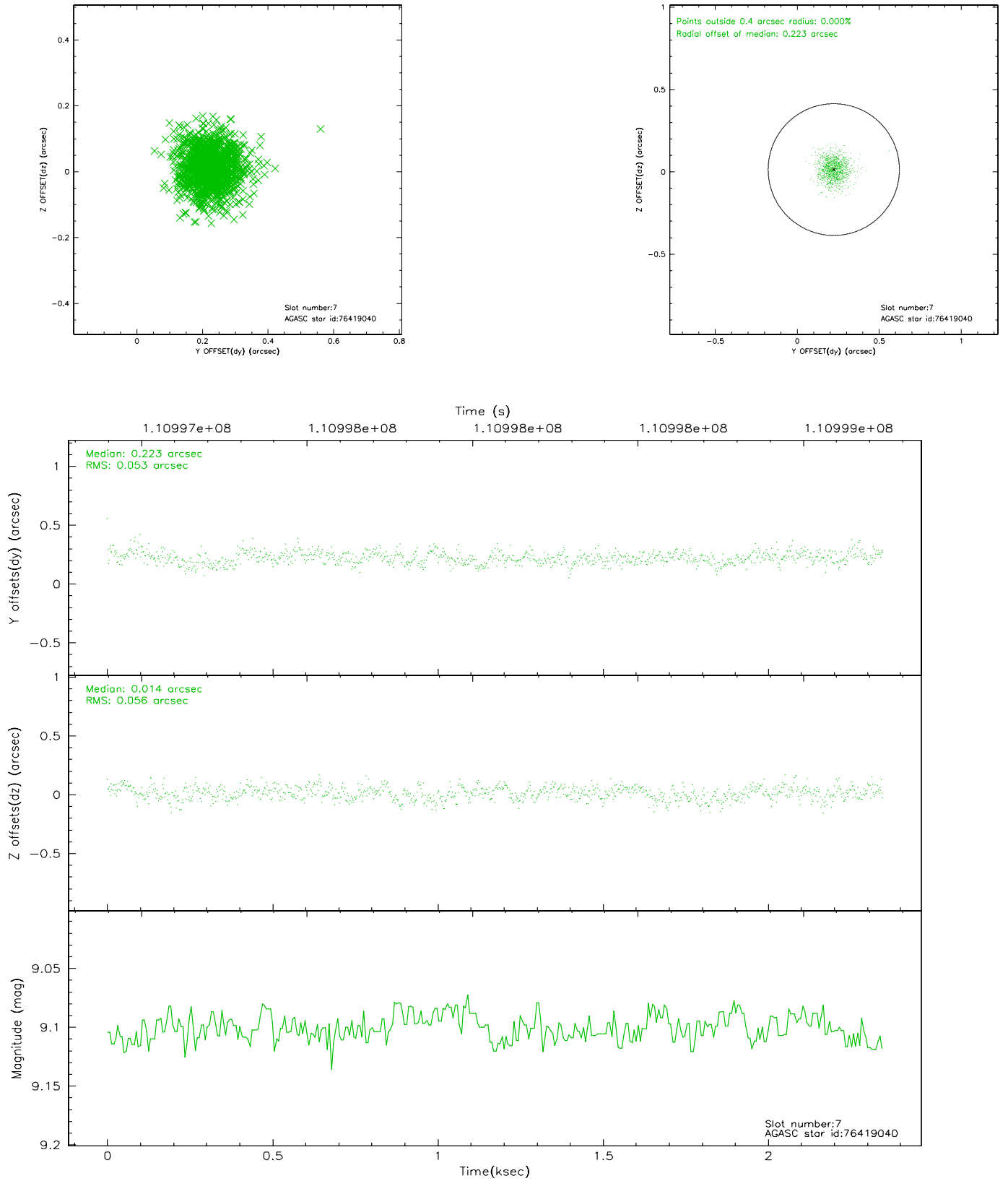
2.4.3 Slot 5



2.4.4 Slot 6

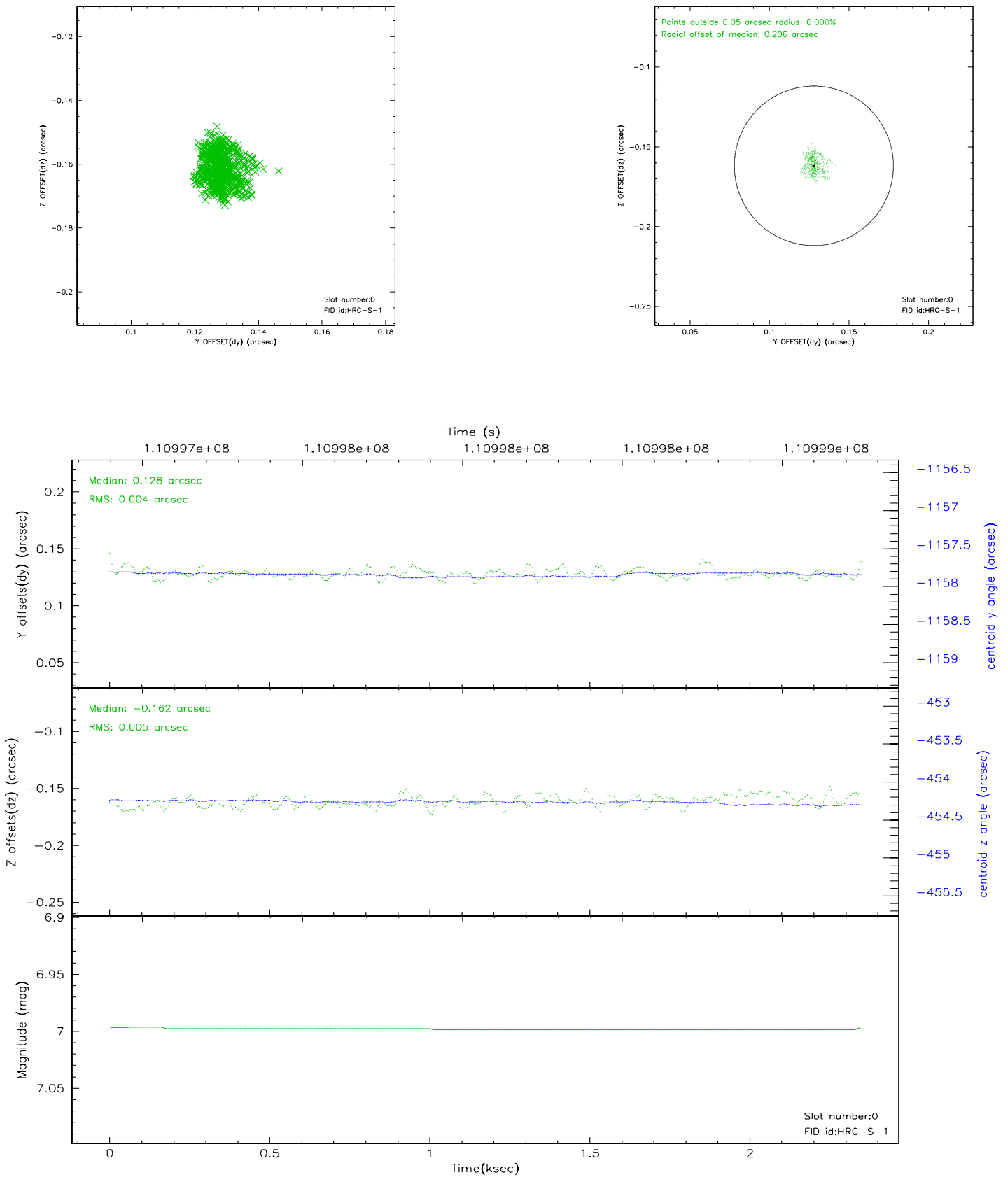


2.4.5 Slot 7

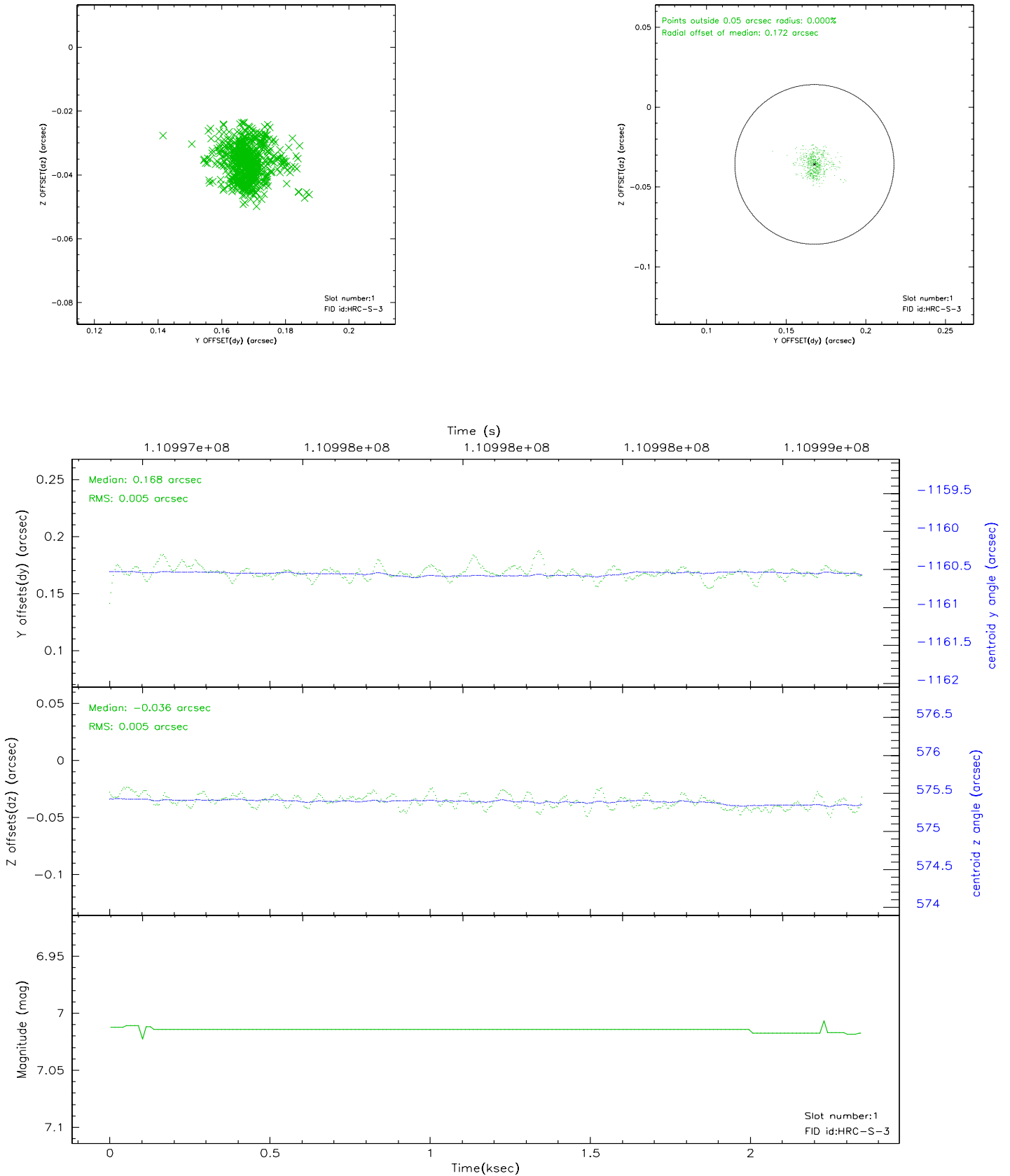


2.5 FID Slots

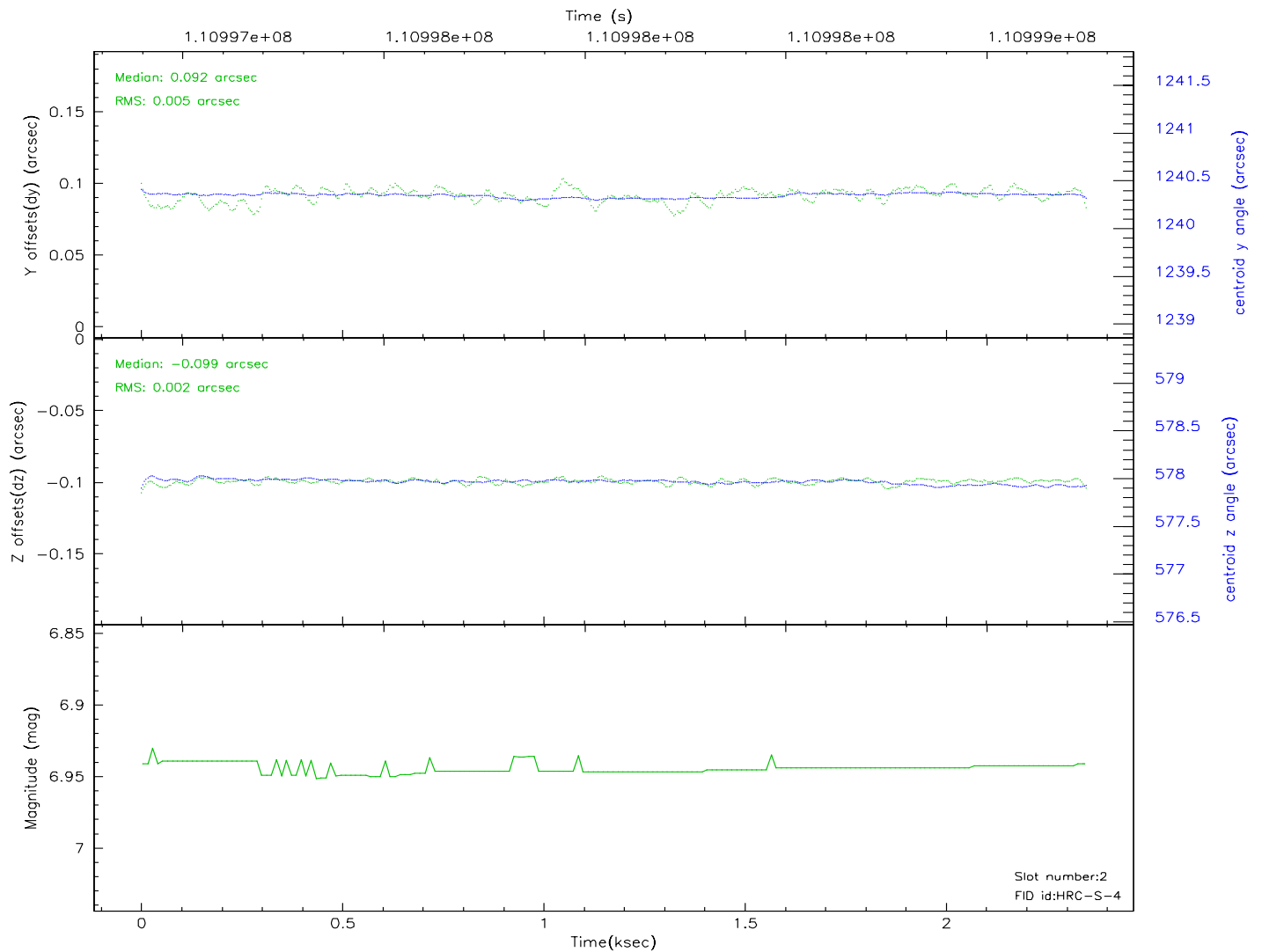
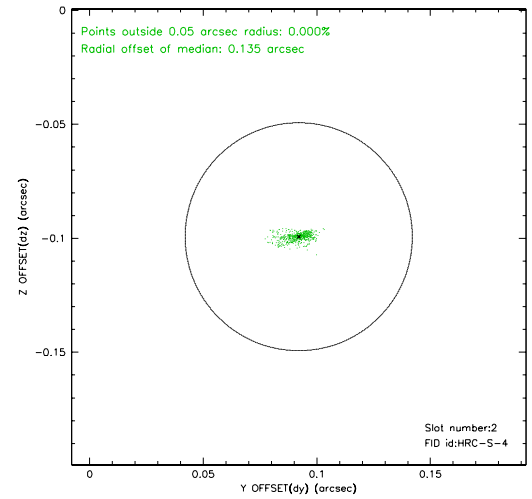
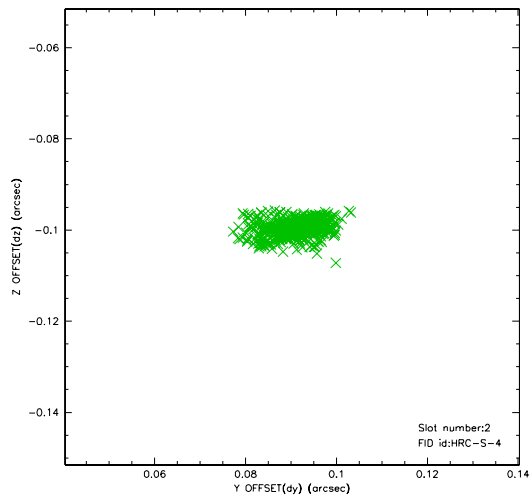
2.5.1 Slot 0



2.5.2 Slot 1

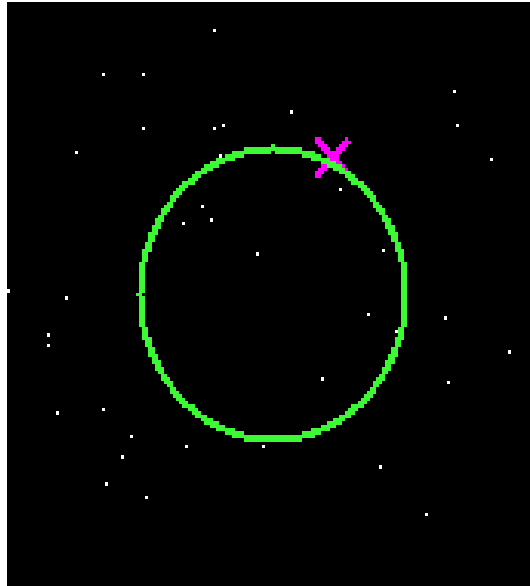


2.5.3 Slot 2

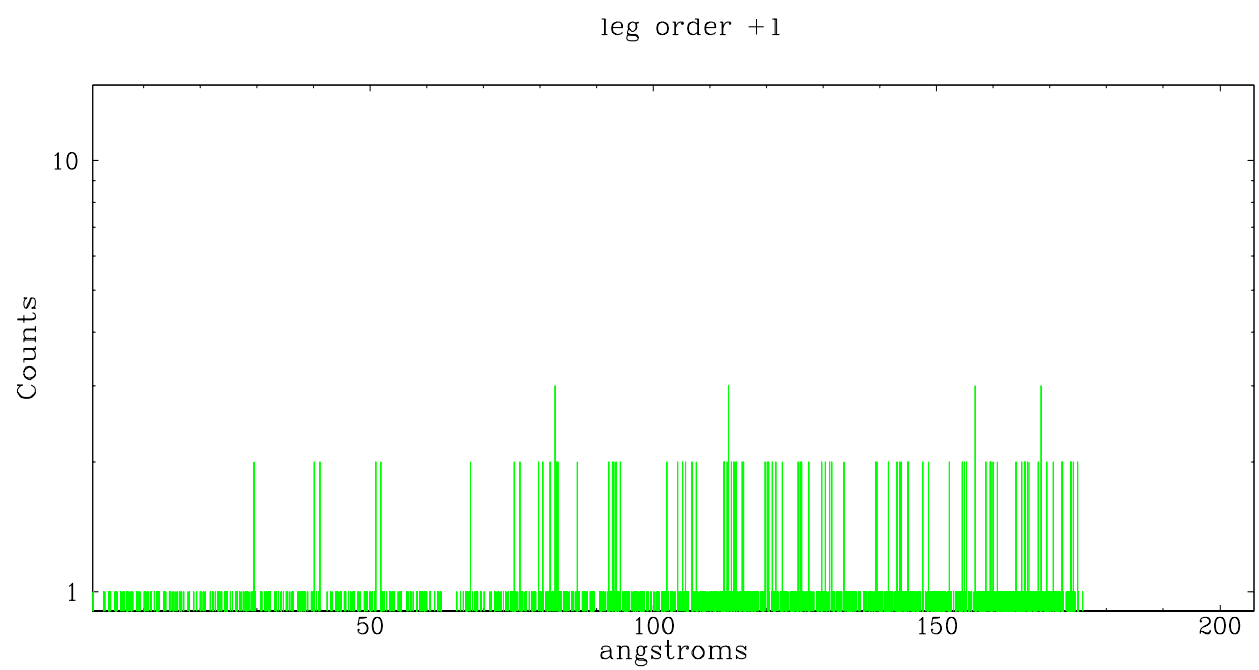
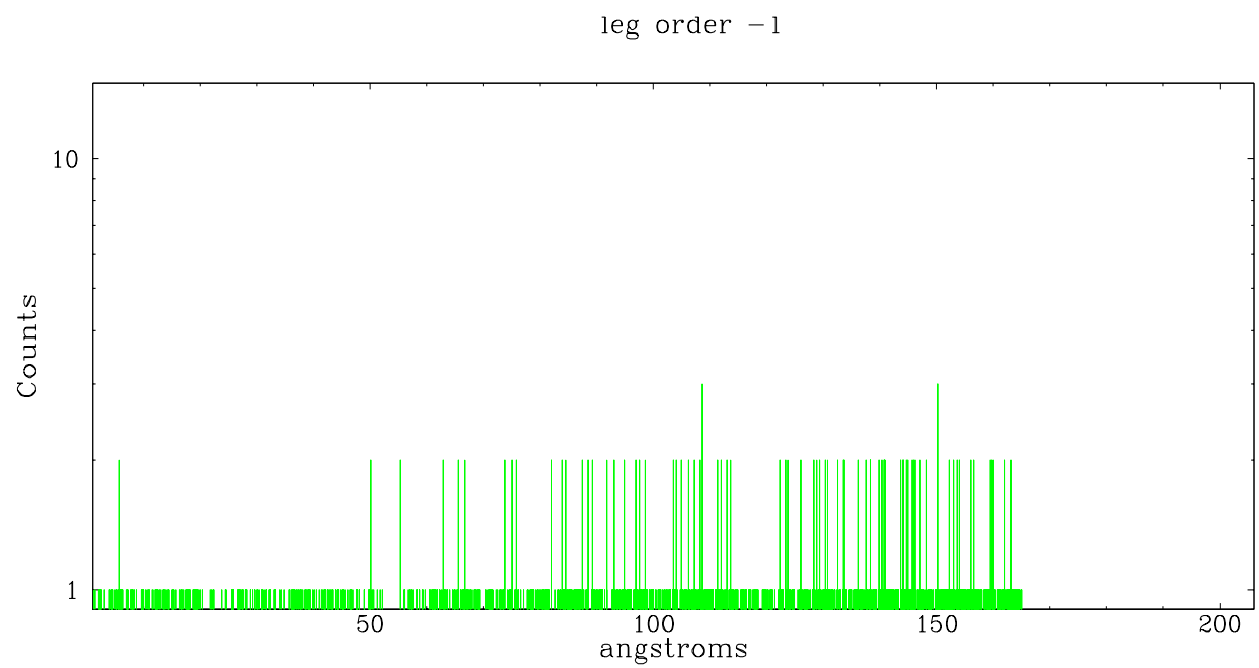


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.342

A.2 Comments

Monitor constraint met.

Tgdetect found no sources, 0th order position defaulted to ra_targ, dec_targ. Users should run sso_freeze or the equivalent on the suite of comet observations before rerunning tgdetect.