

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 2523 - L2 Version 001  
Chandra X-Ray Center

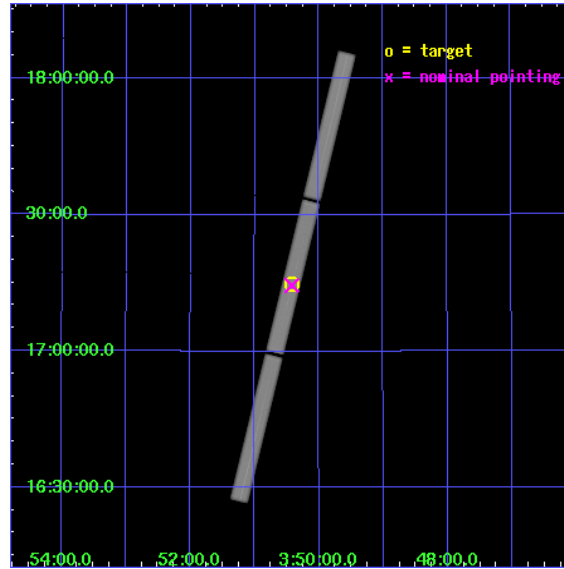
L2 Processing Date : Aug 29 2006

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# 1 Front

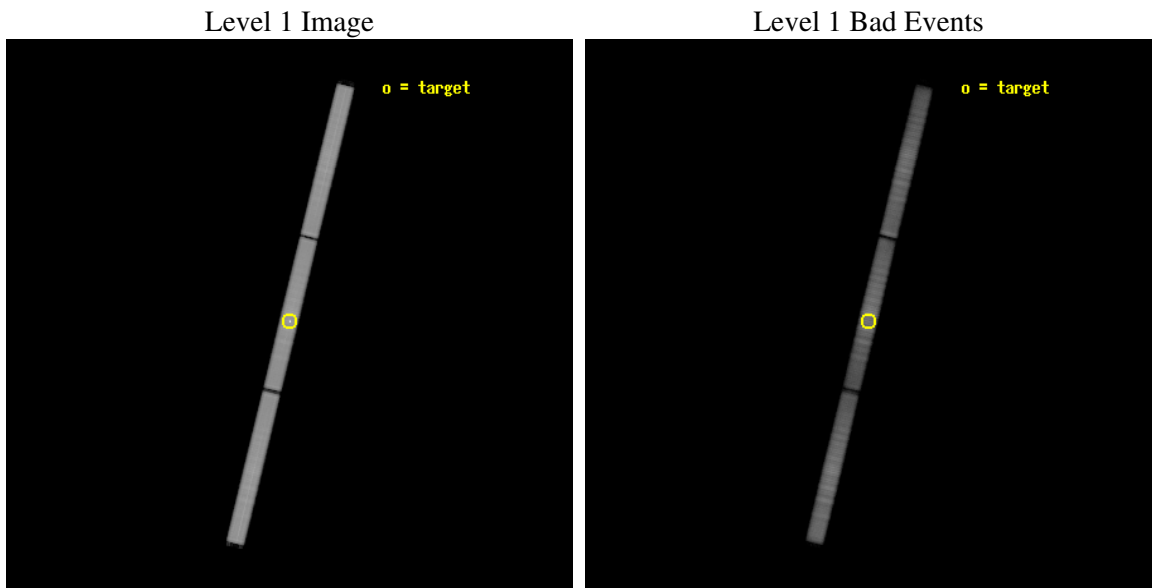
seq_num	200131
obs_id	2523
title	PROBING THE GAS IN THE V471 TAU SYSTEM WITH ABSORPTION SPECTROSCOPY
observer	Prof. Frederick Walter
object	V471 TAU
ra_targ	57.604167
dec_targ	17.2465
ra_nom	57.605190210018
dec_nom	17.241887271965
roll_nom	283.69344660422
revision	3
ontime	88023.159796149
livetime	87525.823536126
l2events	3606359



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	1
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-08-28T19:23:17
revision	3

sched_exp_time	87700.412000
ontime	88104.903549448
l1events	5489004

### 2.1.3 Events

Level 1 Events

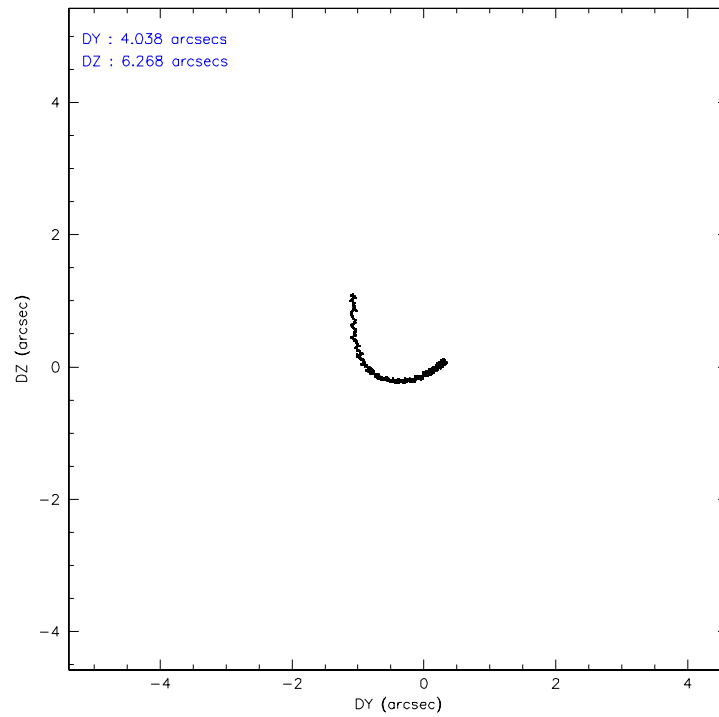
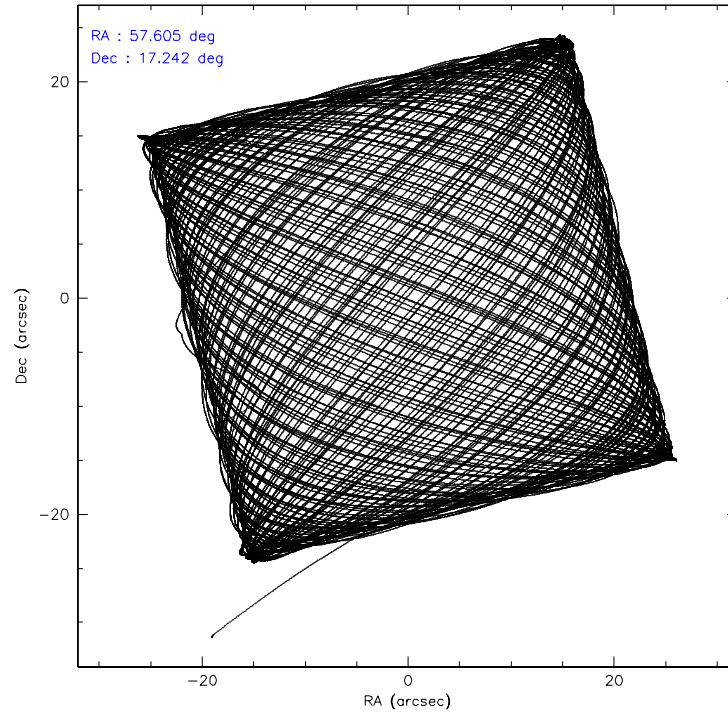
	<b>segment 1</b>	<b>segment 2</b>	<b>segment 3</b>
level 1 events	1842105	1792634	1854265
rejected events	412399	447277	506619
rejected %	22%	24%	27%

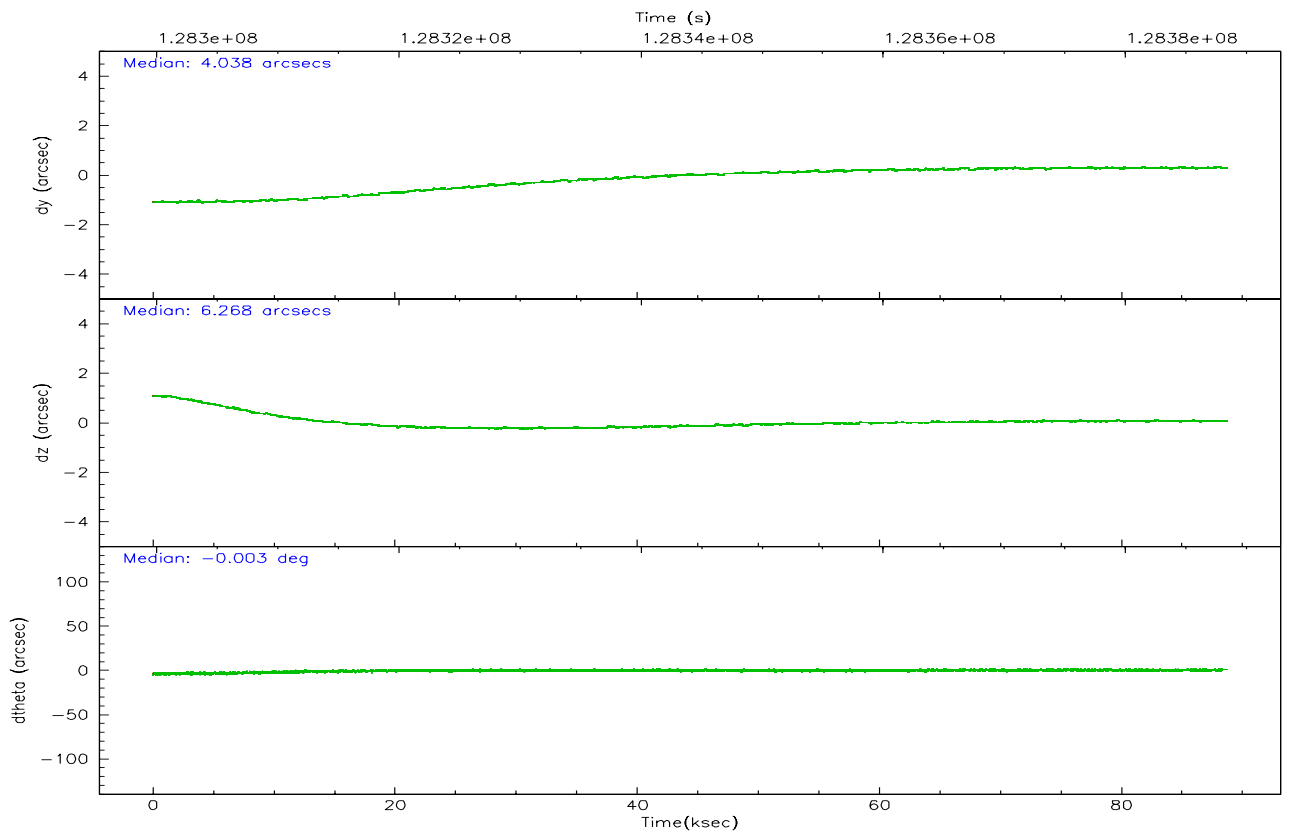
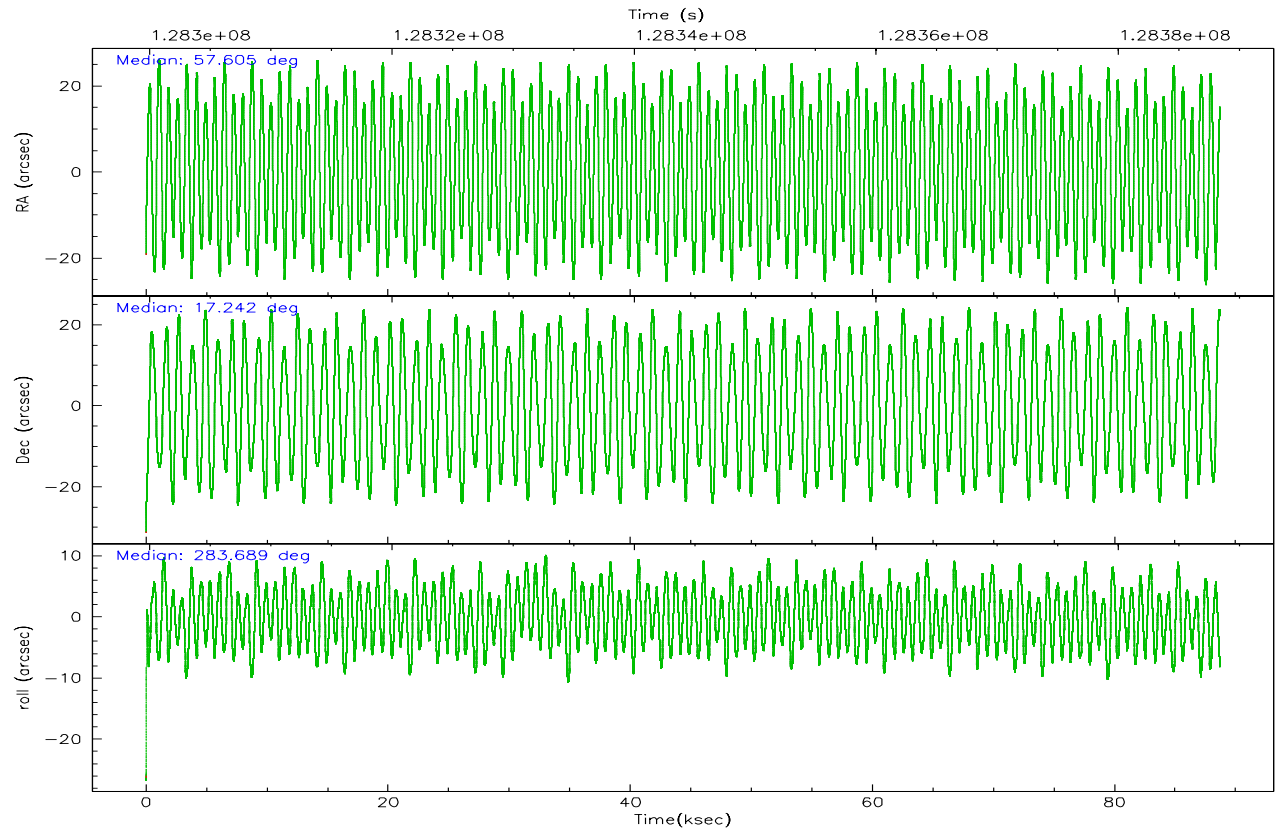


## 2.2 Compared Parameters

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	57.583458	57.60519021001821			
Pointing Dec	17.261598	17.2418872719652			
Pointing Roll	283.632560	283.6934466042193			
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	128299813.184000	128298667.27003			
Observation start date	2002-01-24T22:49:09	2002-01-24T22:31:07			
Observation end time	128387513.184000	128389112.24868			
Observation end date	2002-01-25T23:10:49	2002-01-25T23:38:32			

## 2.3 Aspect



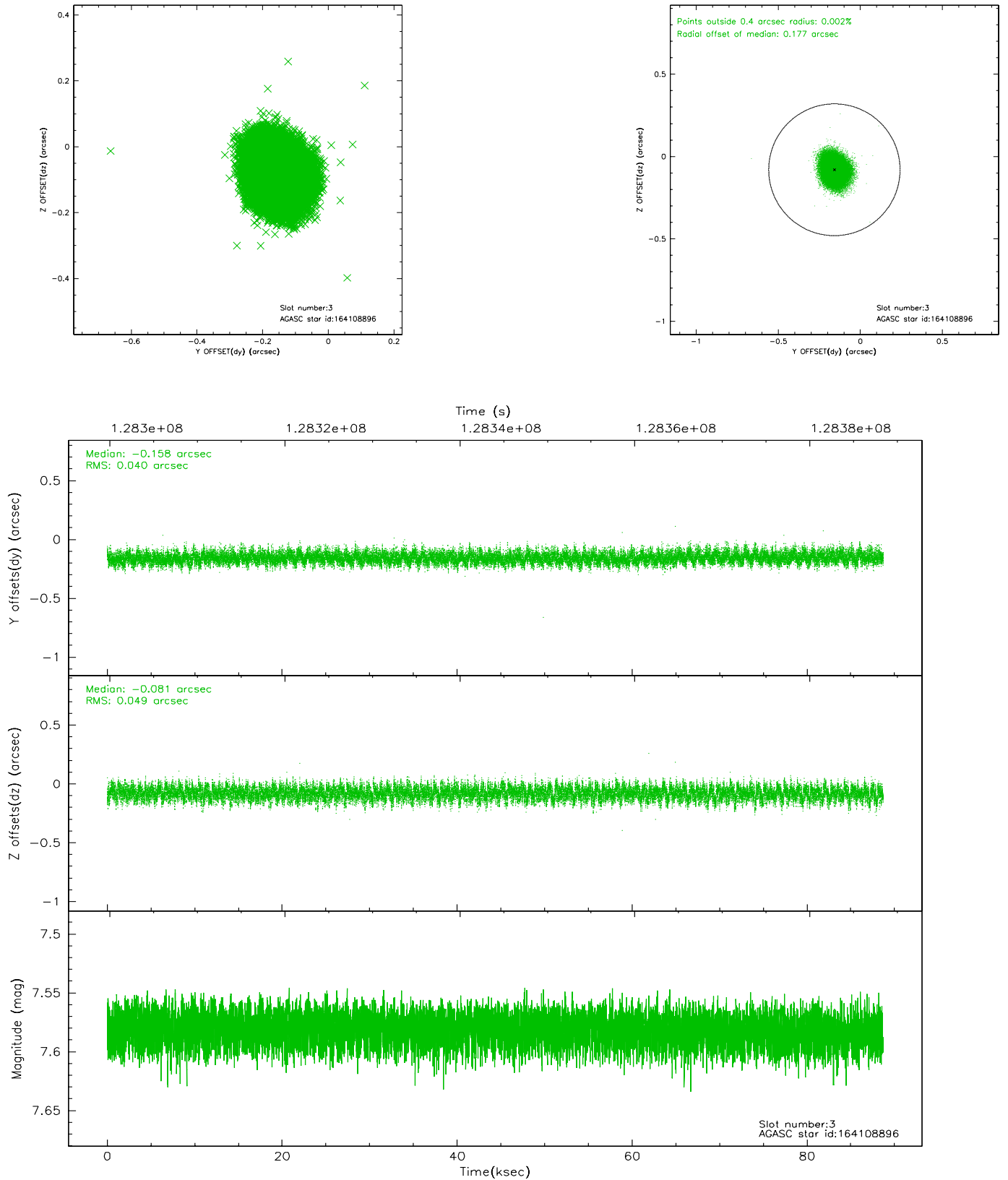


### Slot Statistics

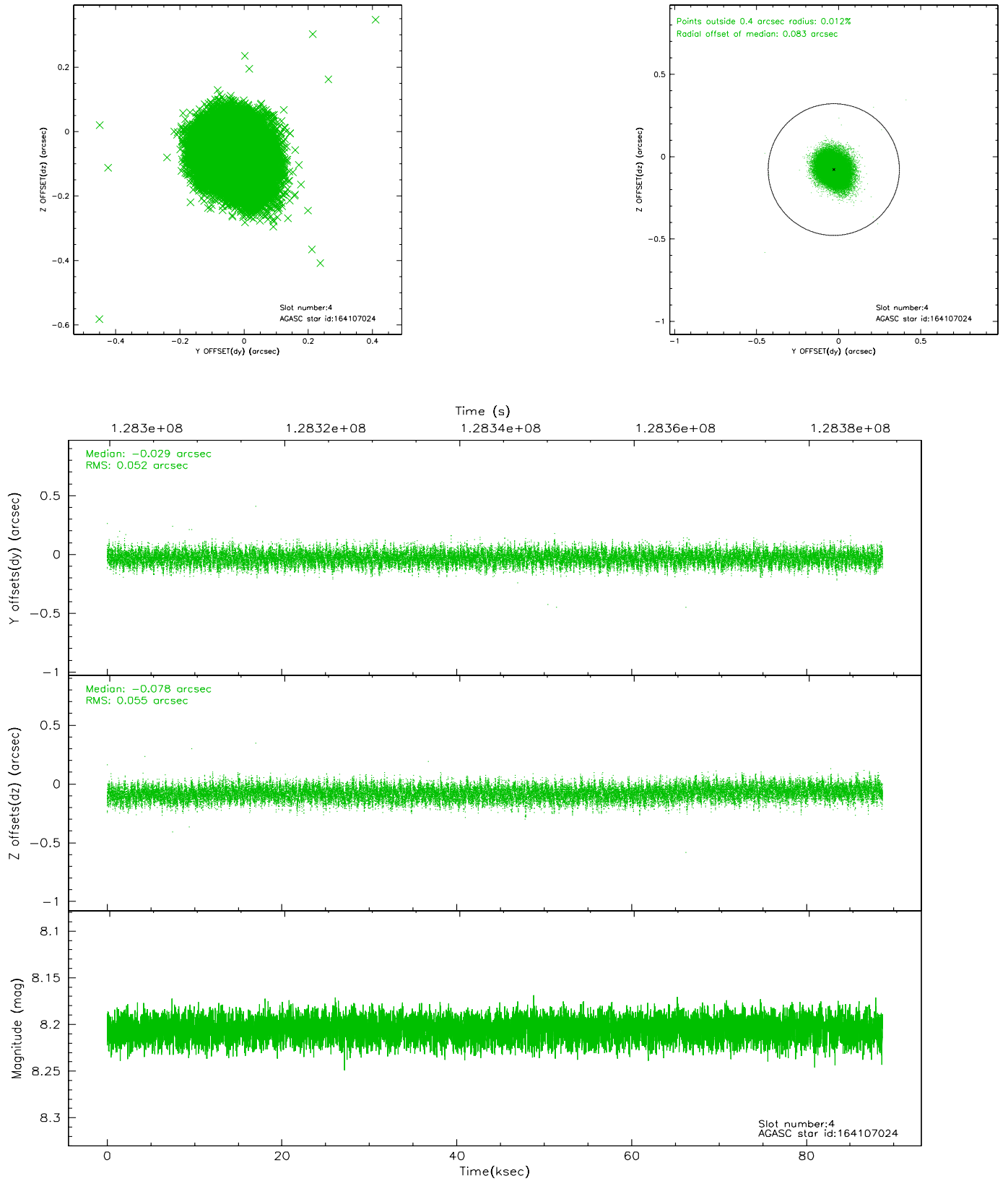
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	21543	0.155	-0.133	0.011	0.051	0.000000	0.000000	-1157.89	-454.85
1	FID	HRC-S-2	6.98	21541	0.082	-0.091	0.016	0.032	0.000000	0.000000	1241.66	-447.47
2	FID	HRC-S-3	7.00	21542	0.153	-0.080	0.016	0.042	0.000000	0.000000	-1160.55	574.71
3	GUIDE	164108896	7.58	43280	-0.158	-0.081	0.068	0.109	57.595704	17.476364	-740.27	222.75
4	GUIDE	164107024	8.20	43275	-0.029	-0.078	0.081	0.129	57.001302	16.962509	572.00	-2201.42
5	GUIDE	164106560	9.79	43248	0.173	-0.137	0.117	0.198	57.705704	16.881004	1431.65	86.00
6	GUIDE	164108304	9.08	43229	0.052	0.106	0.083	0.140	57.484277	17.131820	374.62	-441.87
7	GUIDE	164102512	8.87	43268	-0.037	0.189	0.071	0.115	57.937495	17.164233	627.28	1101.02

## 2.4 Star Slots

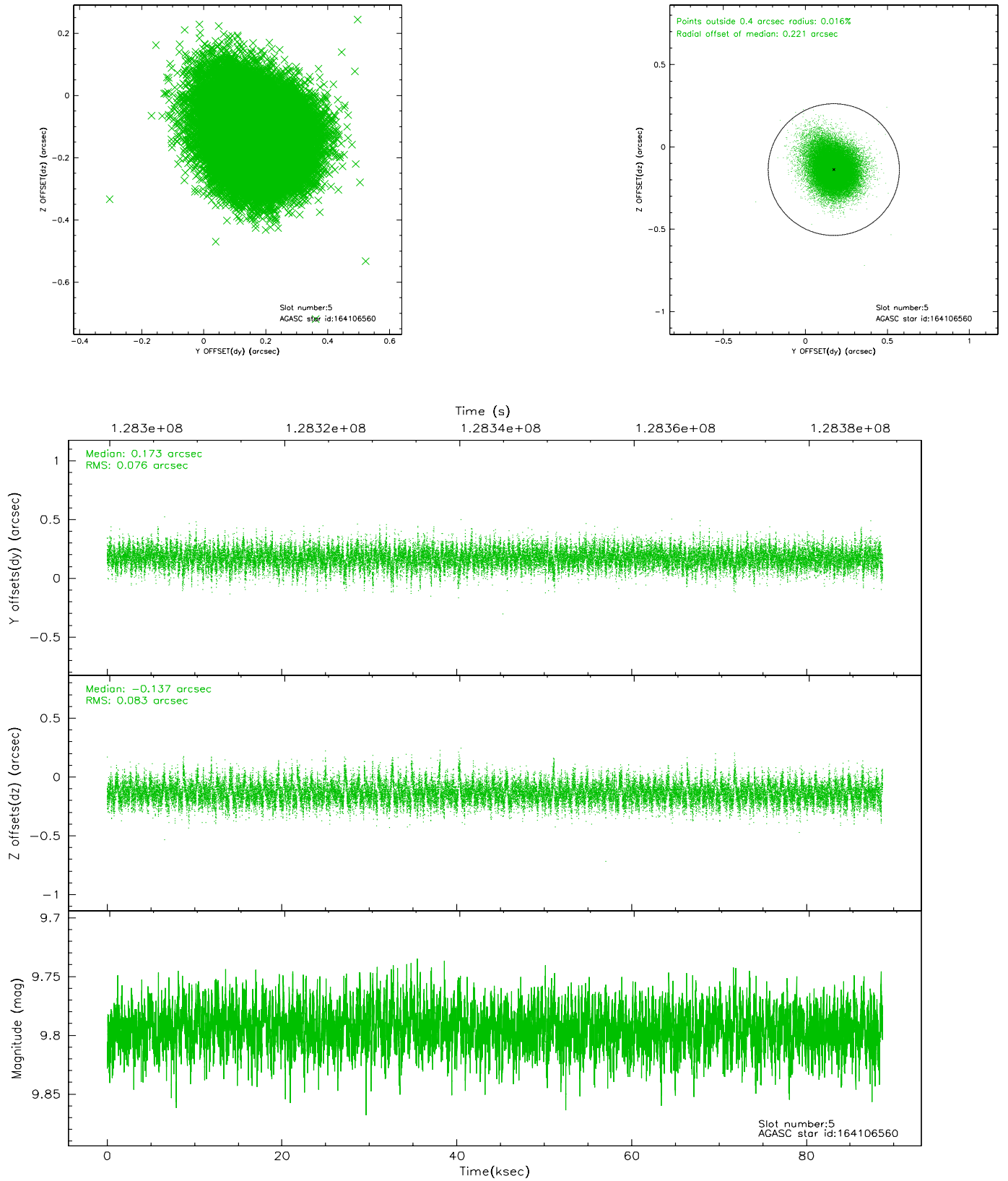
### 2.4.1 Slot 3



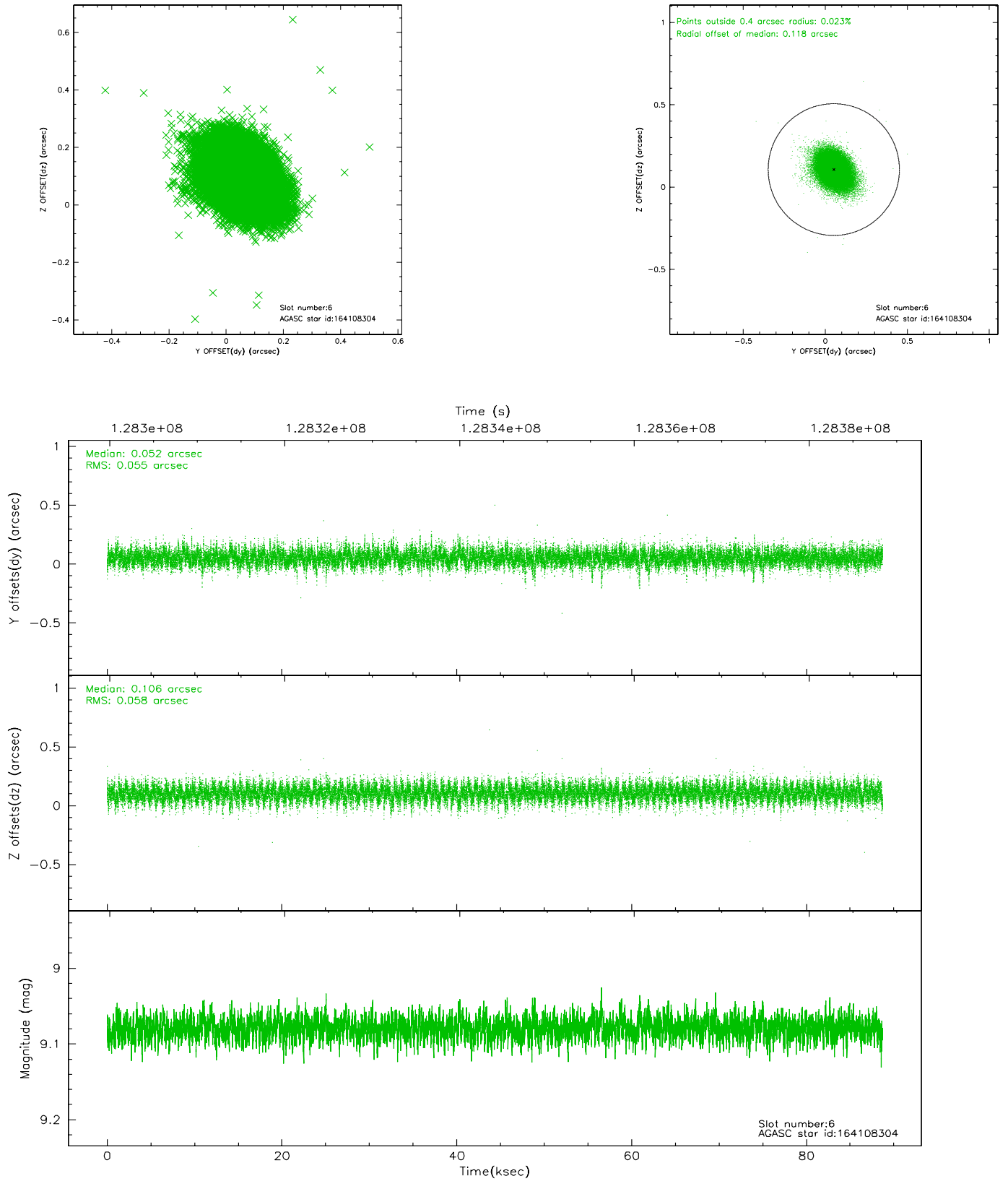
## 2.4.2 Slot 4



### 2.4.3 Slot 5

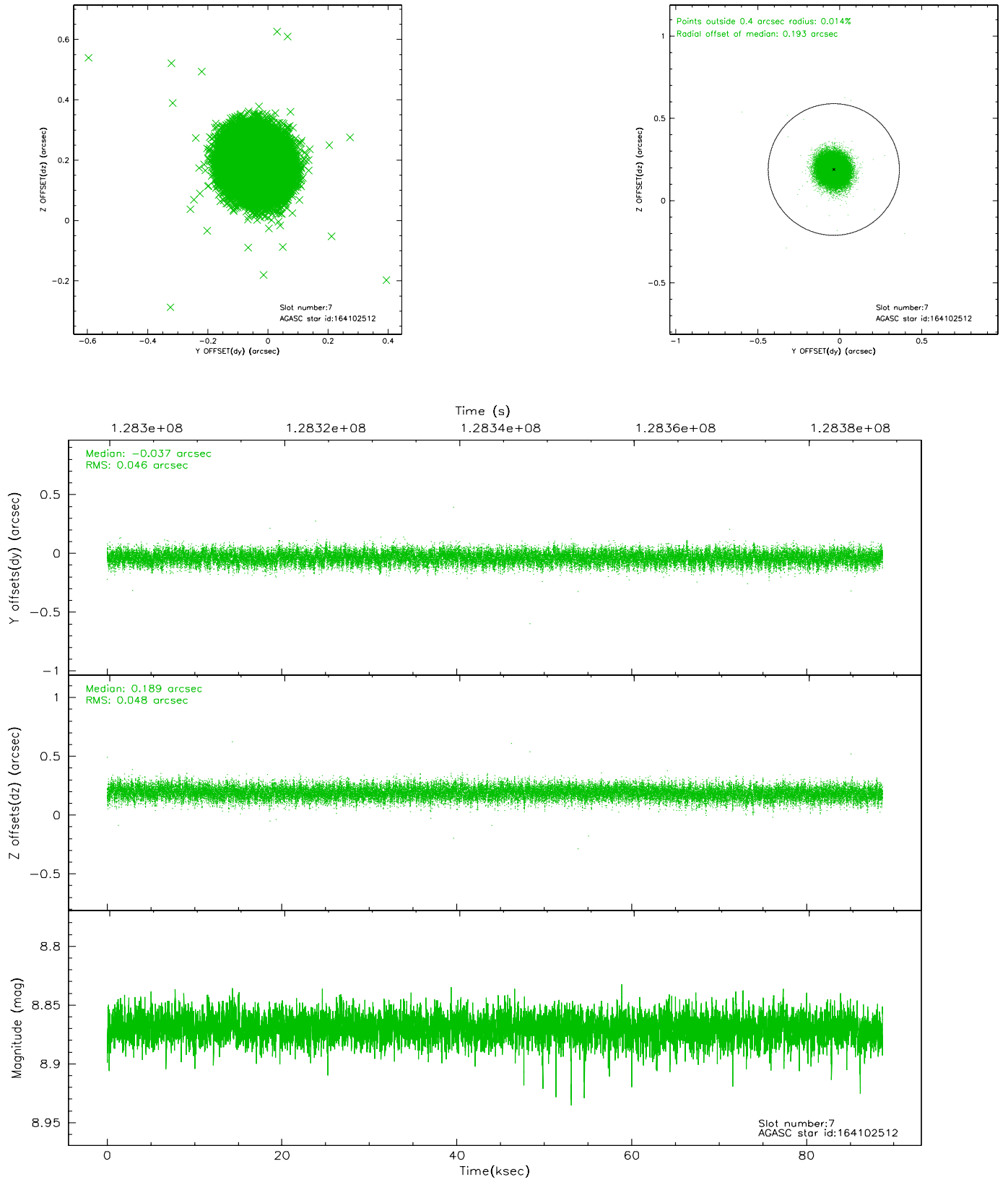


## 2.4.4 Slot 6



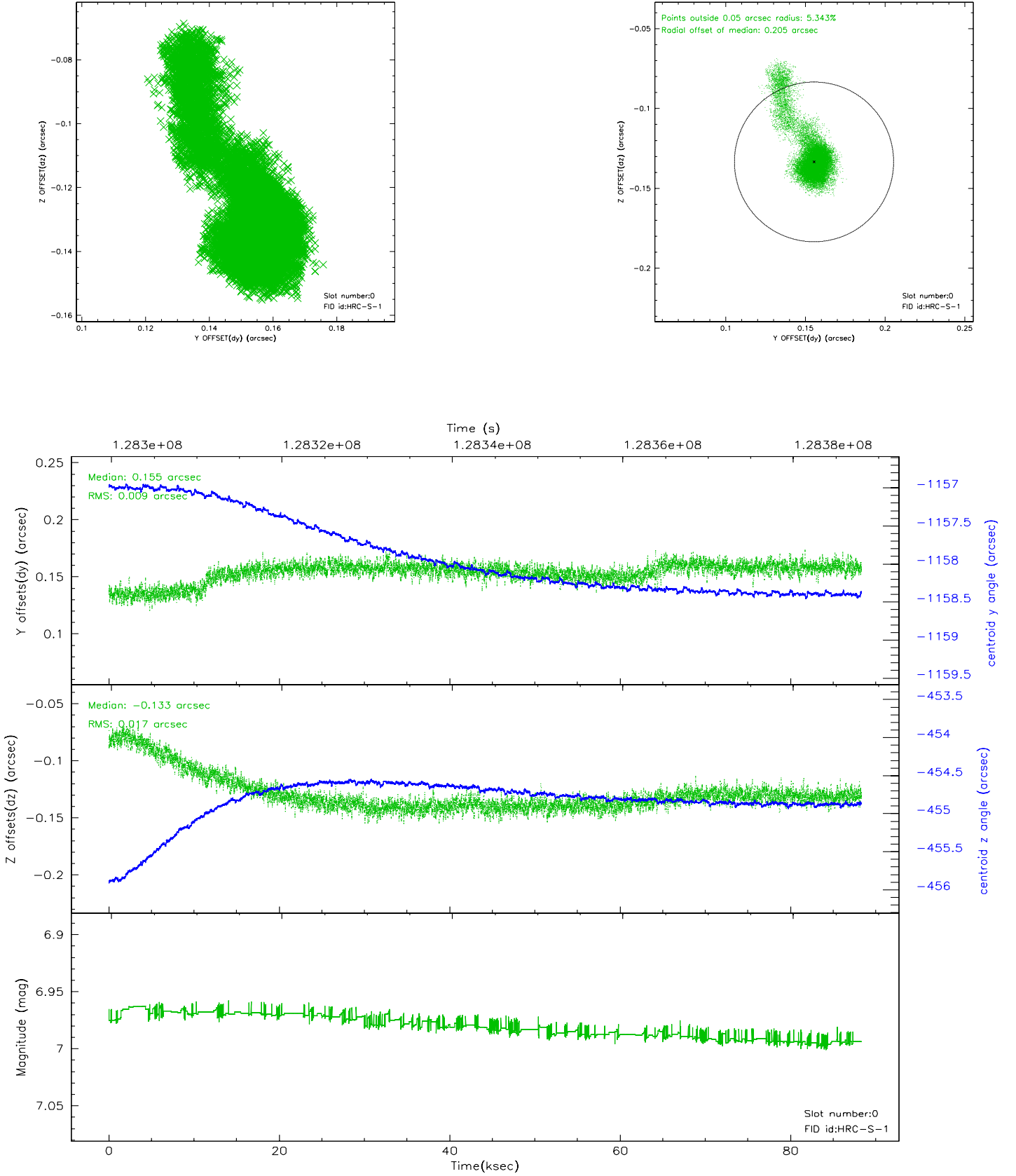


## 2.4.5 Slot 7

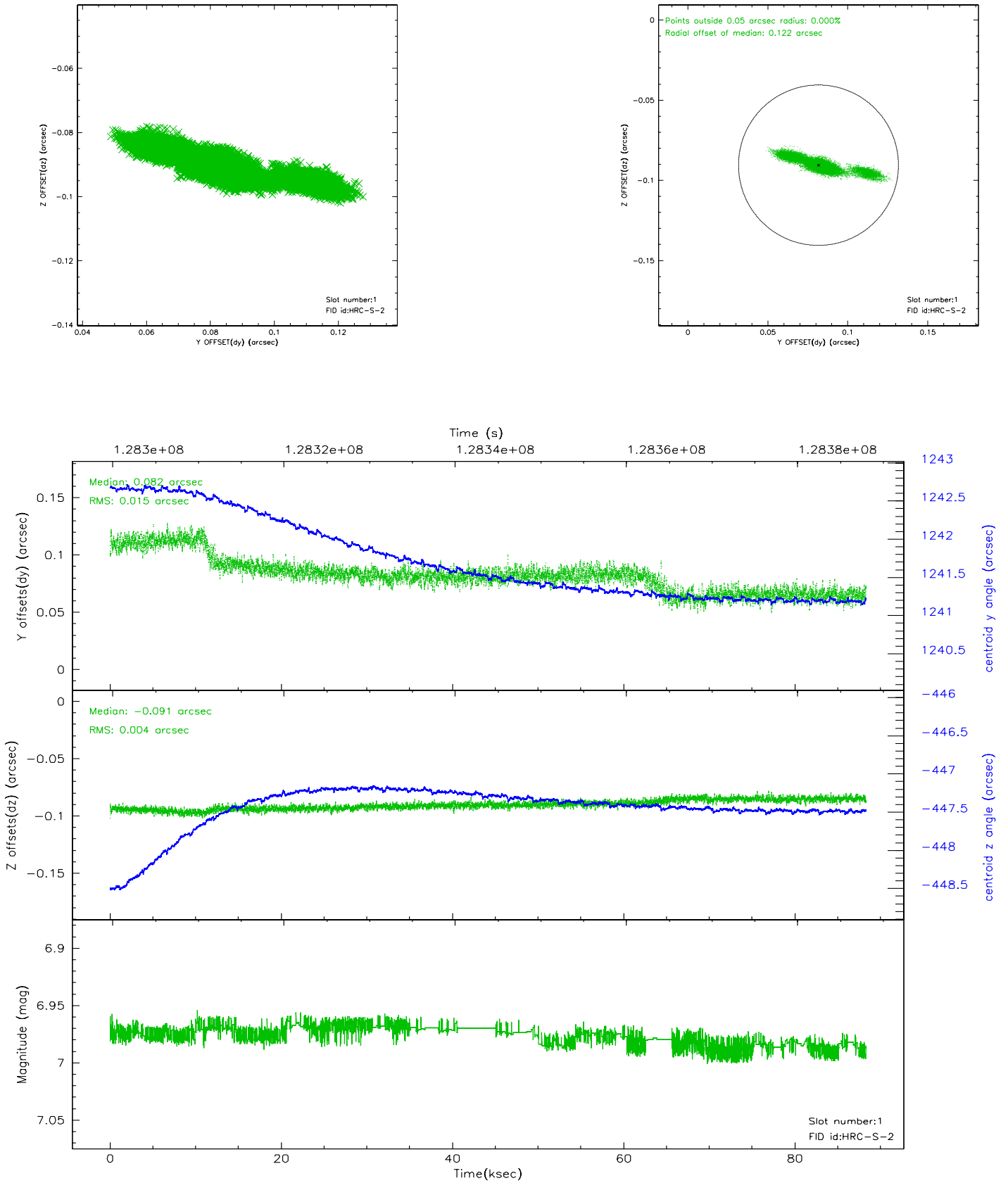


## 2.5 FID Slots

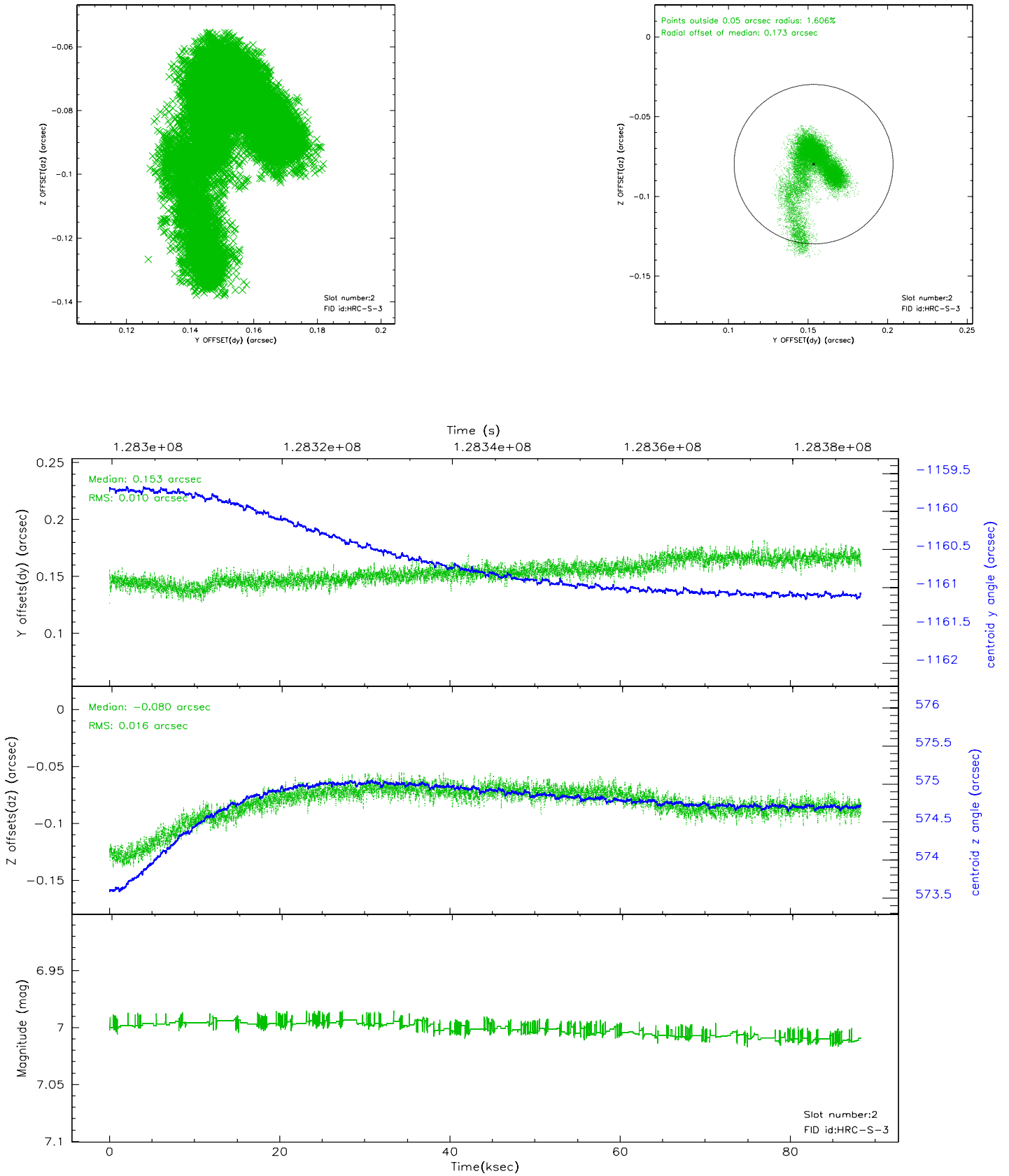
### 2.5.1 Slot 0



## 2.5.2 Slot 1

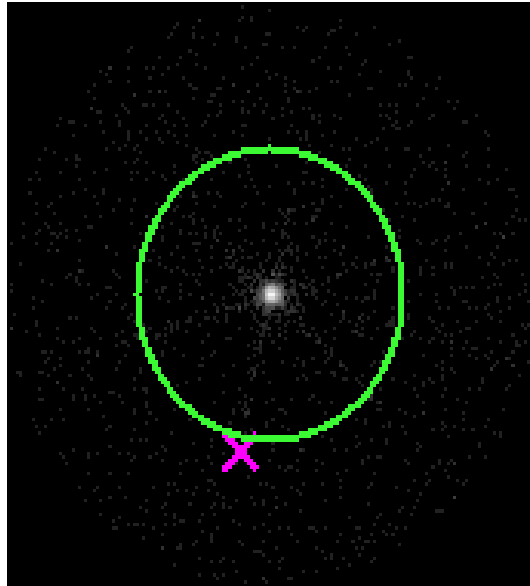


### 2.5.3 Slot 2



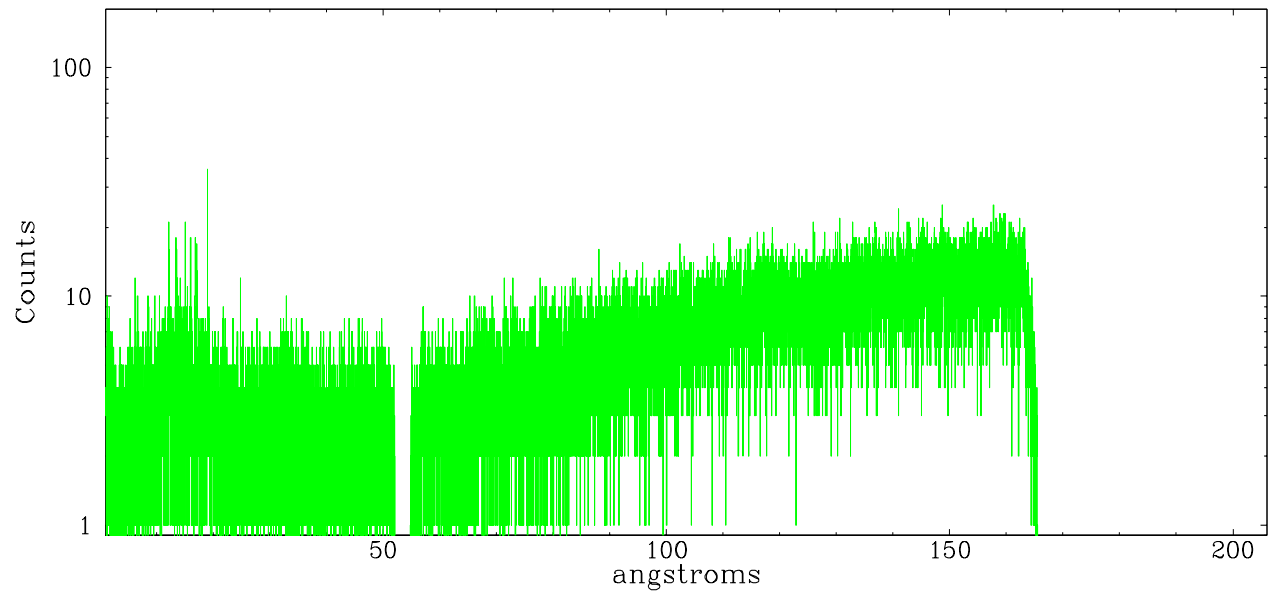
## 3 Gratings

### 3.1 LETG Arm

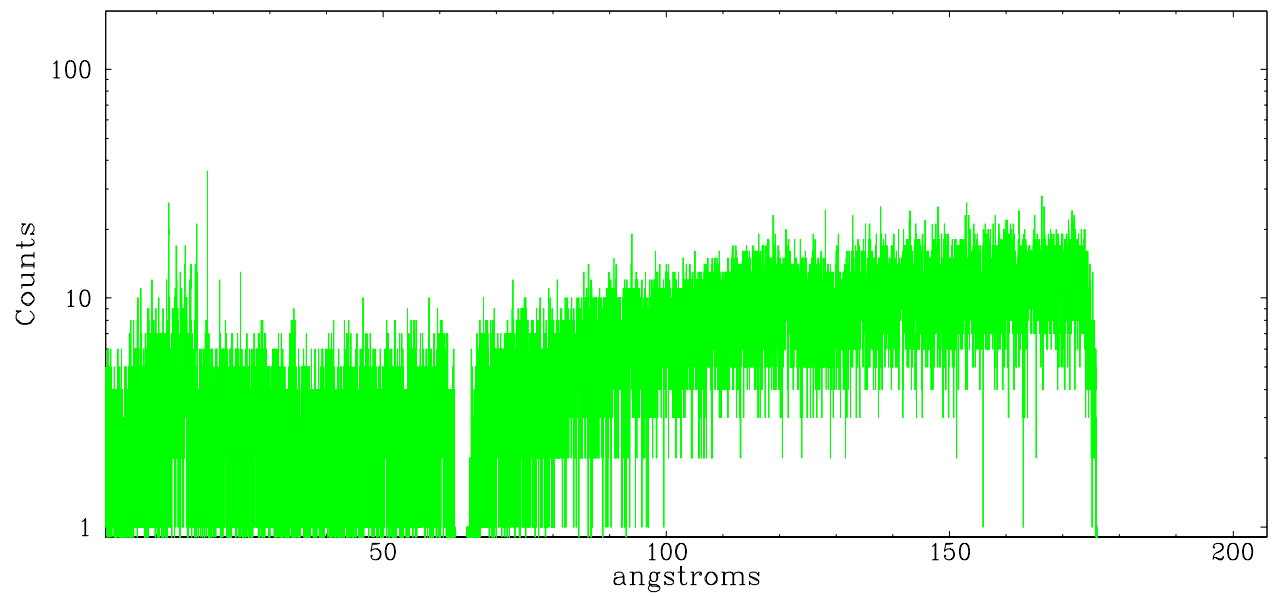


LETG Zero Order

leg order -1



leg order +1



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.08.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	87.994

### A.2 Comments