

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8531 - L2 Version 4  
Chandra X-Ray Center

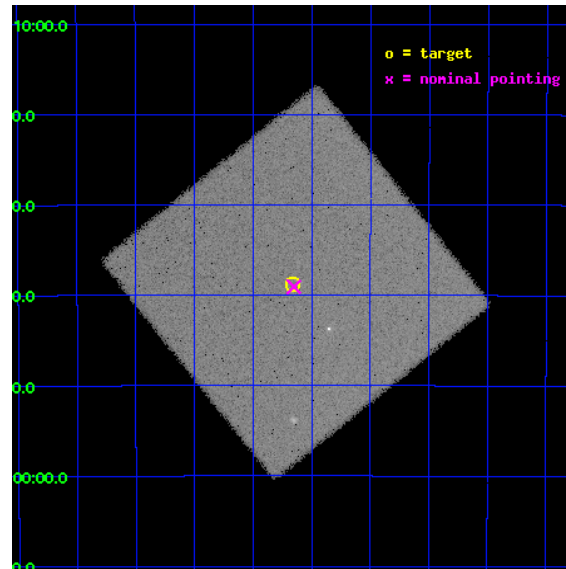
L2 Processing Date : Aug 11 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
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
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

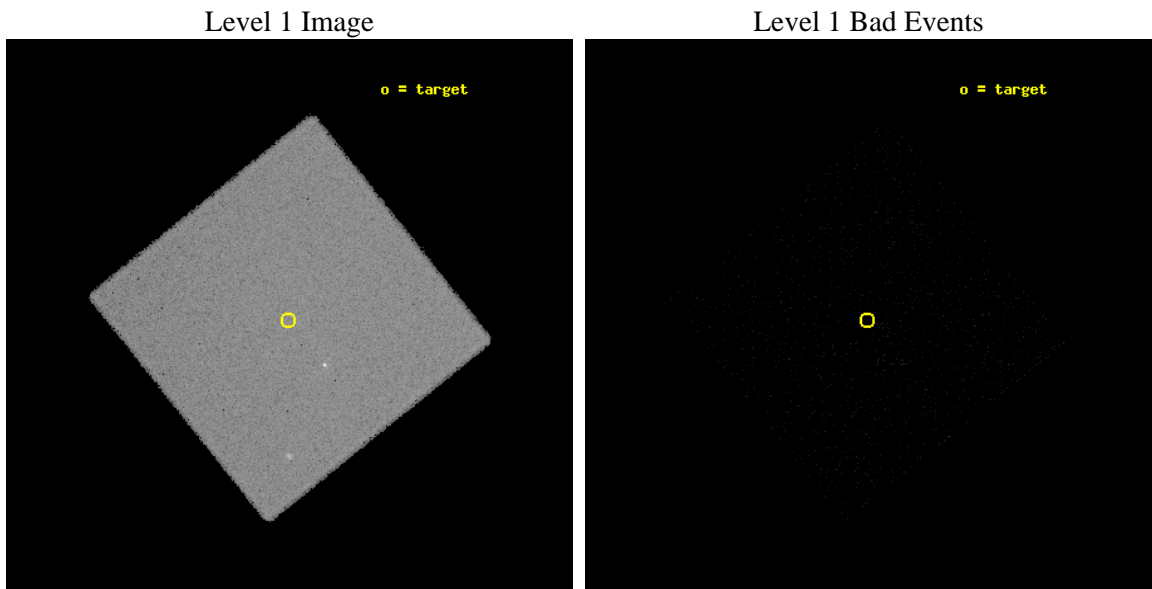
seq_num	400682	Sequence number
obs_id	8531	Observation id
title	Monitoring Observations of the Galactic Center Region	Proposal tit
observer	Dr. Rudy Wijnands	Principal investigator
object	GC-1	Source name
ra_targ	266.664167	Observer's specified target RA [deg]
dec_targ	-28.647167	Observer's specified target Dec [deg]
ra_nom	266.66267886126	Nominal RA [deg]
dec_nom	-28.651014213855	Nominal Dec [deg]
roll_nom	276.31782760981	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5179.3252483606	[s]
livetime	5127.1242439254	Ontime multiplied by DTCOR
l2events	301563	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5179.3252483606	[s]
caldbver	4.5.1.1	&#160	l1events	545014	Number of level 1 events
date	2012-08-11T23:36:59	Date and time of file creation			
revision	4	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	545014
rejected events	100572
rejected %	18%

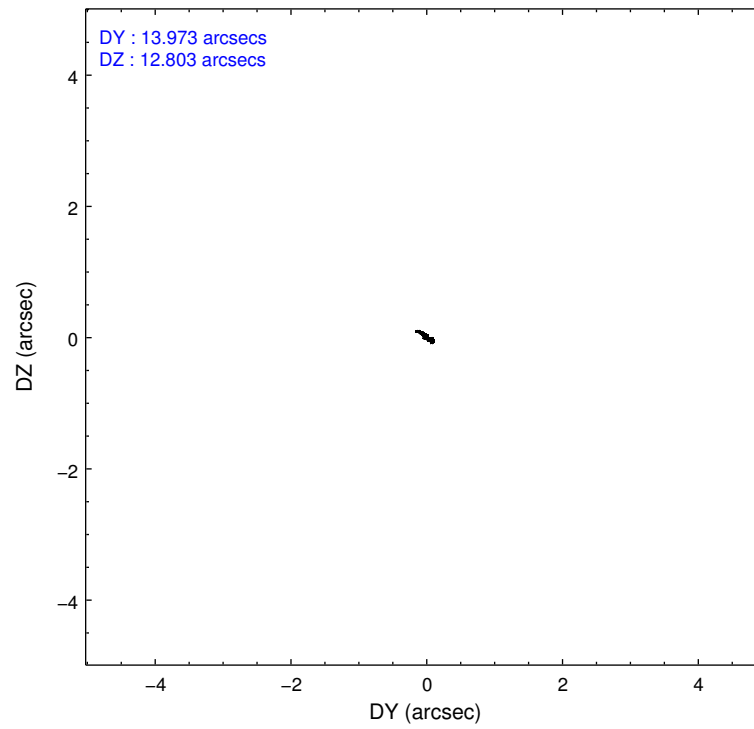
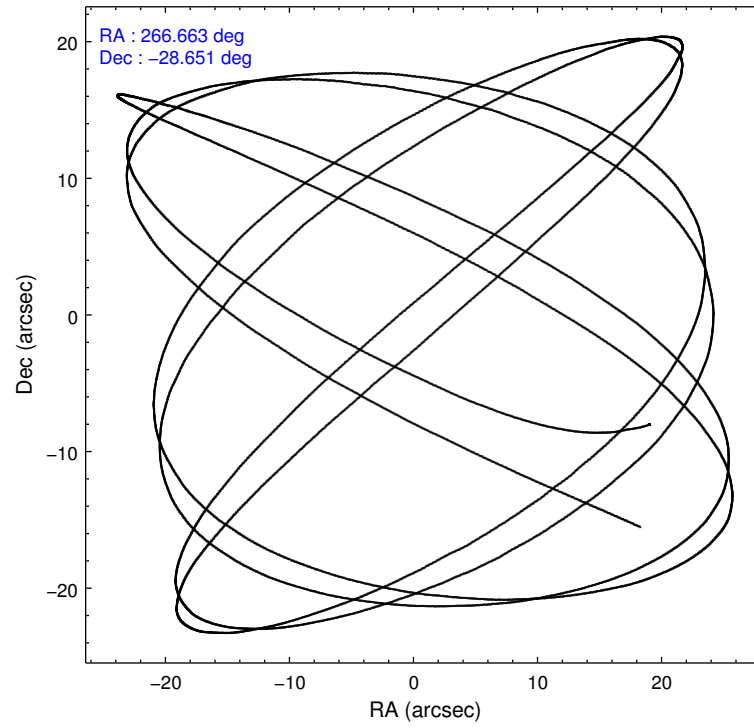


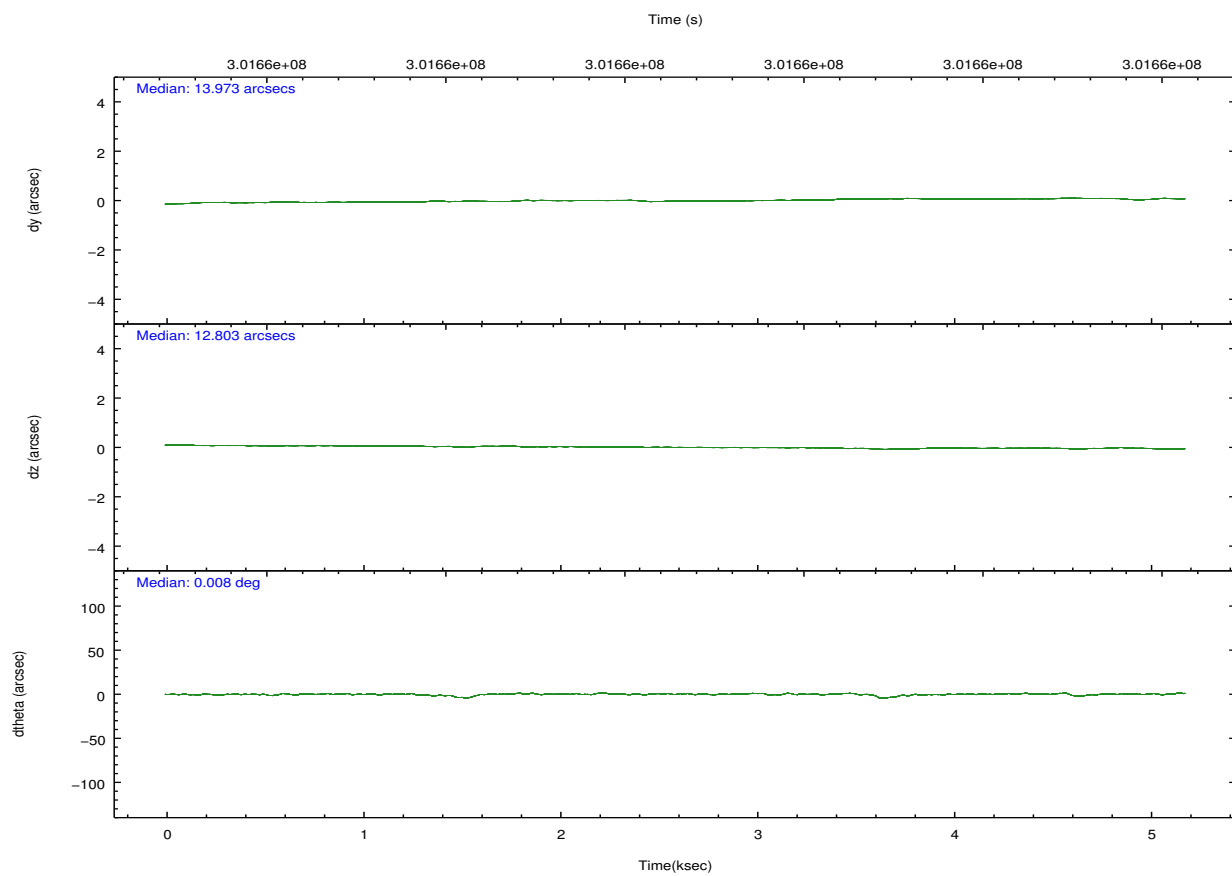
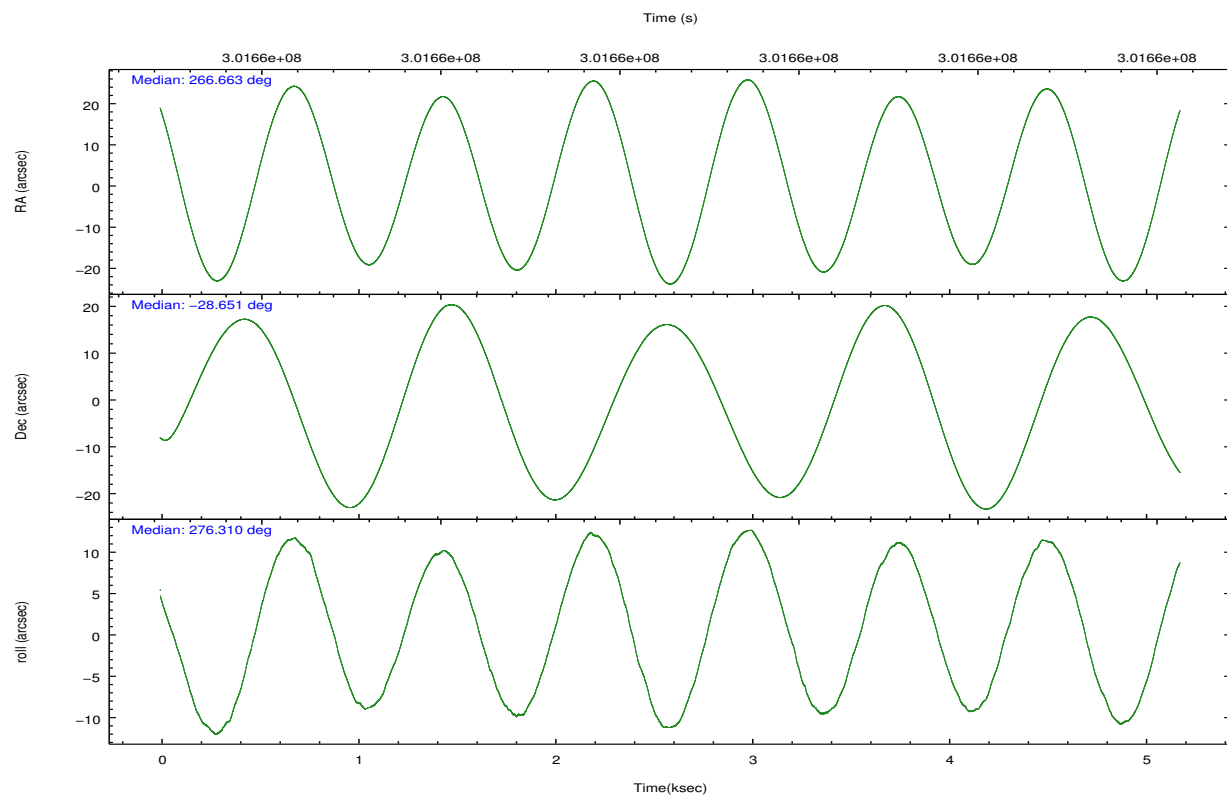
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	266.643968	266.6626788612634
[deg] Pointing Dec	-28.629705	-28.65101421385453
[deg] Pointing Roll	276.404343	276.3178276098086
[s] Window start time (MET)	294364865.184000	294364865.184000
[s] Window stop time (MET)	303523265.184000	303523265.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	301658858.184000	301657631.72169
Observation start date	2007-07-24T10:06:33	2007-07-24T09:47:11
[s] Observation end time (MET)	301663858.184000	301663992.3595
Observation end date	2007-07-24T11:29:53	2007-07-24T11:33:12

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect



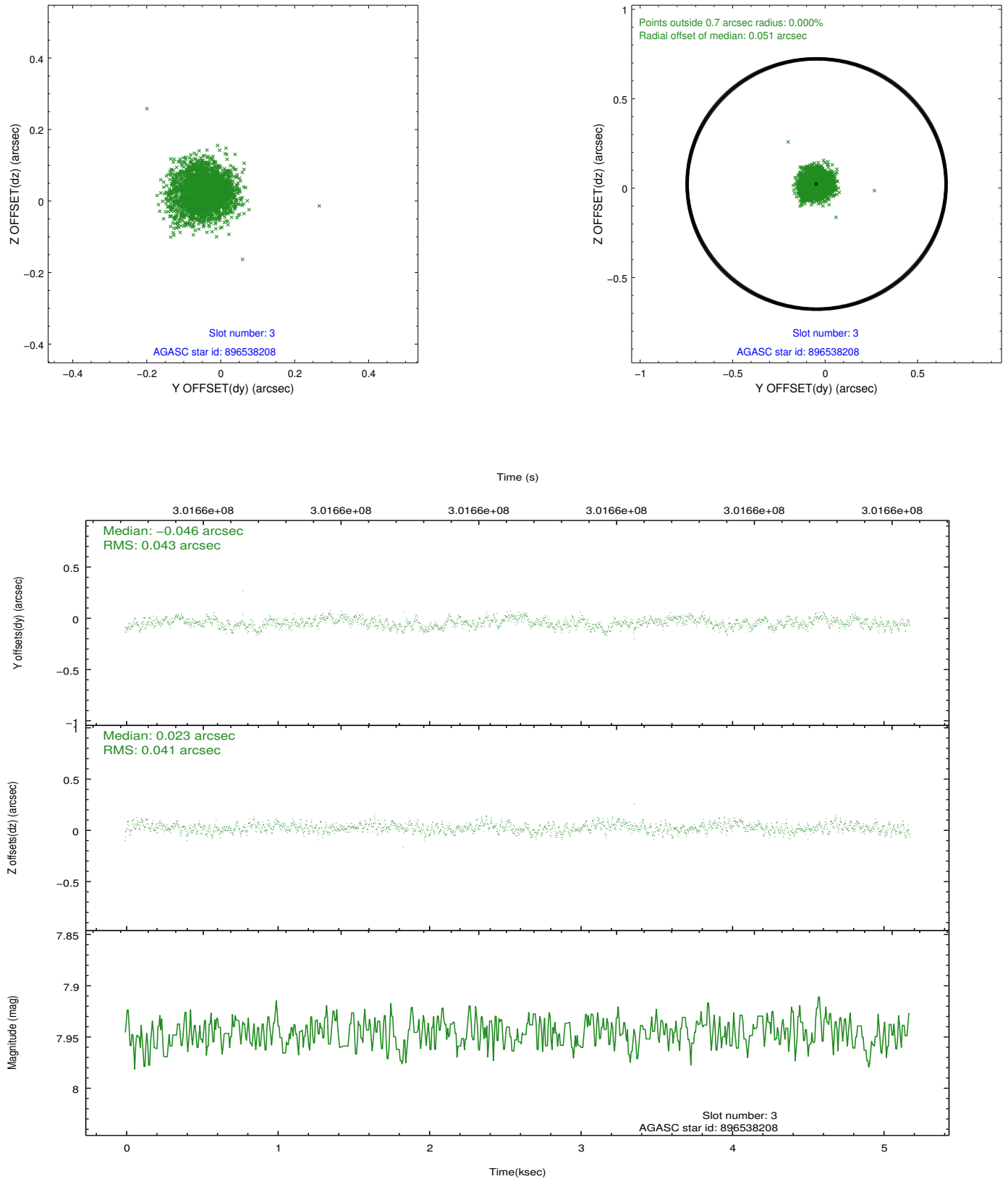


### Slot Statistics

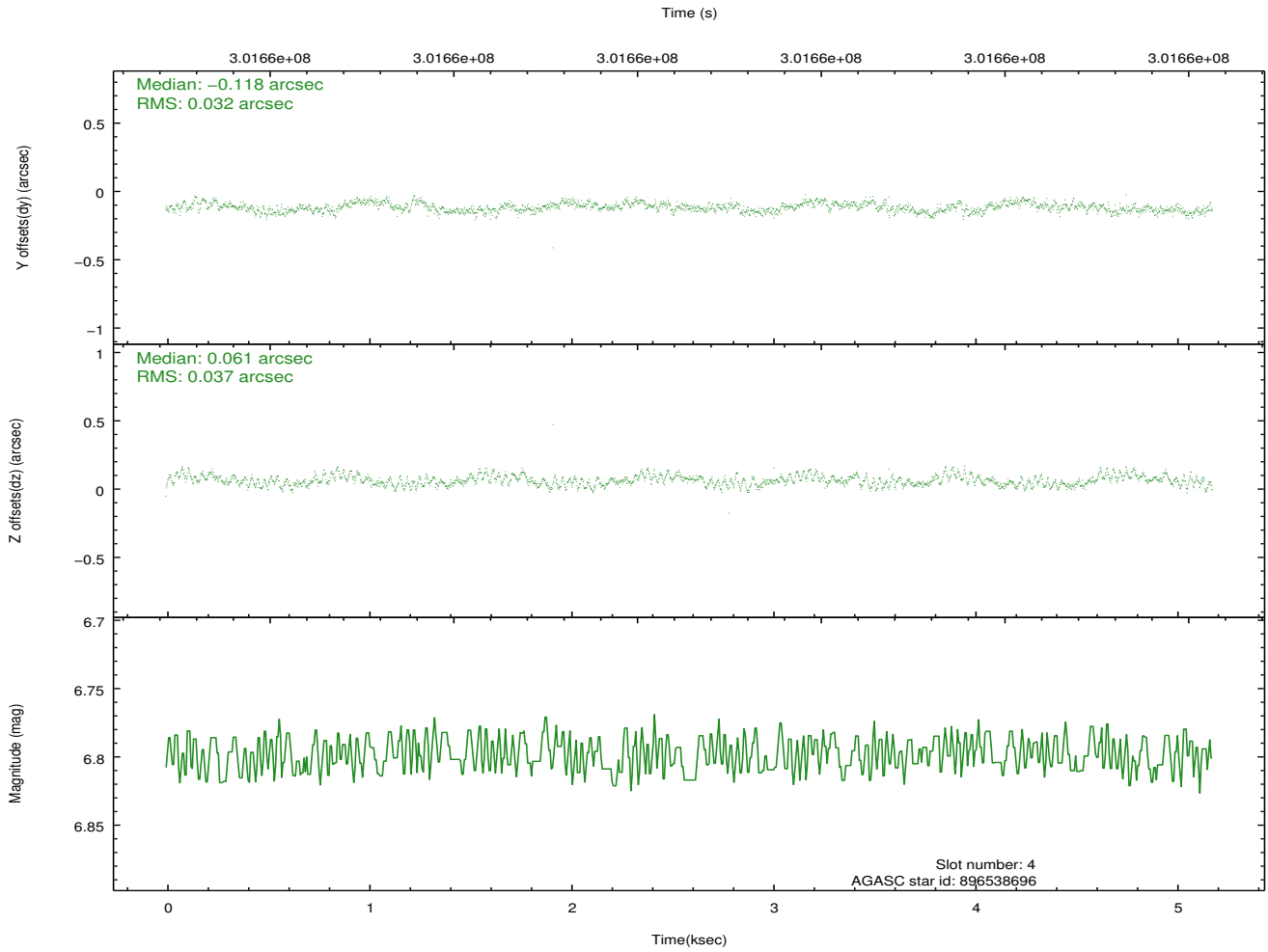
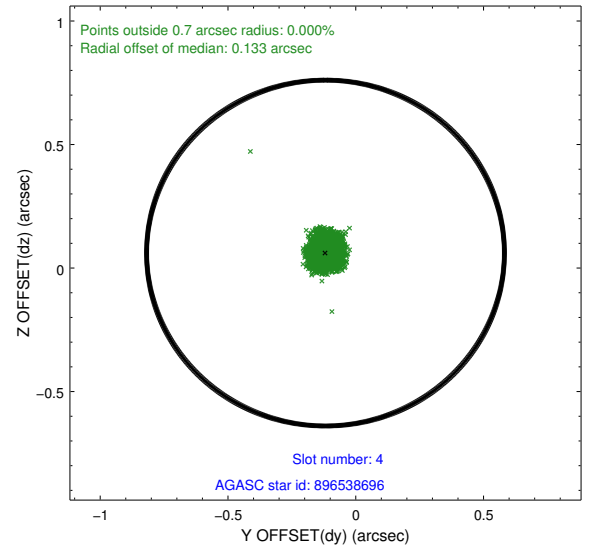
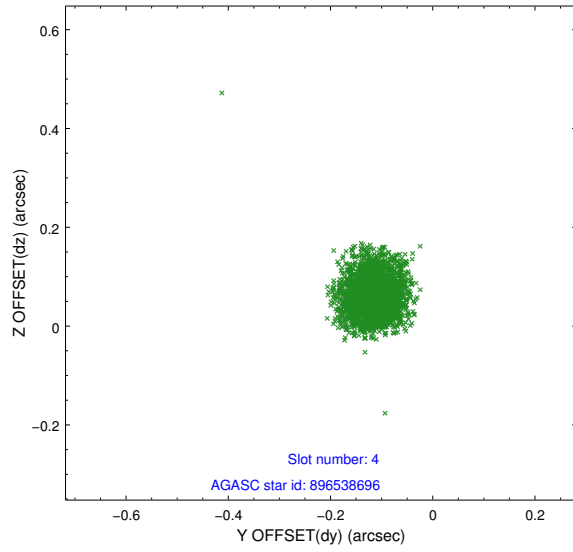
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	1264	-0.058	0.032	0.008	0.023	0.000000	0.000000	-769.80	-1300.85
1	FID	HRC-I-2	7.01	1264	0.236	-0.155	0.007	0.045	0.000000	0.000000	842.51	-1303.63
2	FID	HRC-I-3	7.06	1264	-0.059	0.032	0.007	0.032	0.000000	0.000000	-1197.62	1002.68
3	GUIDE	896538208	7.95	2528	-0.046	0.023	0.064	0.100	267.176969	-28.671626	342.41	1656.45
4	GUIDE	896538696	6.80	2528	-0.118	0.061	0.053	0.084	266.298470	-28.325572	-1207.28	-964.93
5	GUIDE	896541576	8.17	2528	0.026	0.043	0.064	0.106	267.051055	-28.762912	622.60	1223.31
6	GUIDE	896540808	7.52	2525	0.137	-0.103	0.062	0.111	265.985401	-29.308604	2205.83	-2326.57
7	GUIDE	896540888	7.90	2526	0.001	-0.026	0.060	0.097	267.212234	-28.246138	-1165.20	1944.01

## 2.4 Star Slots

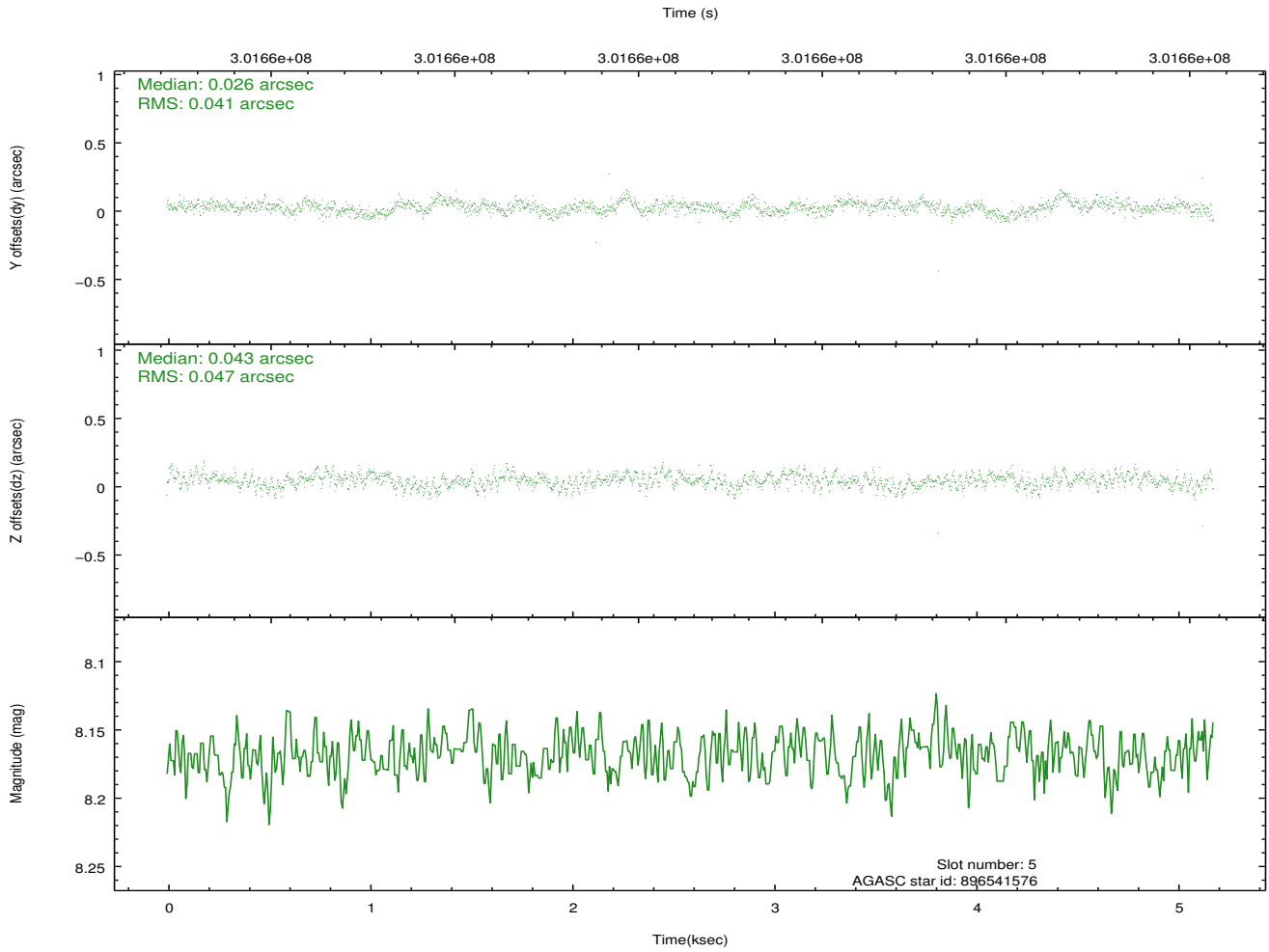
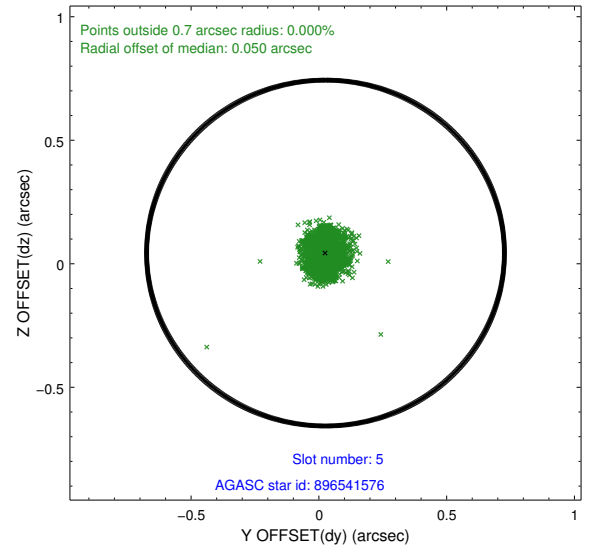
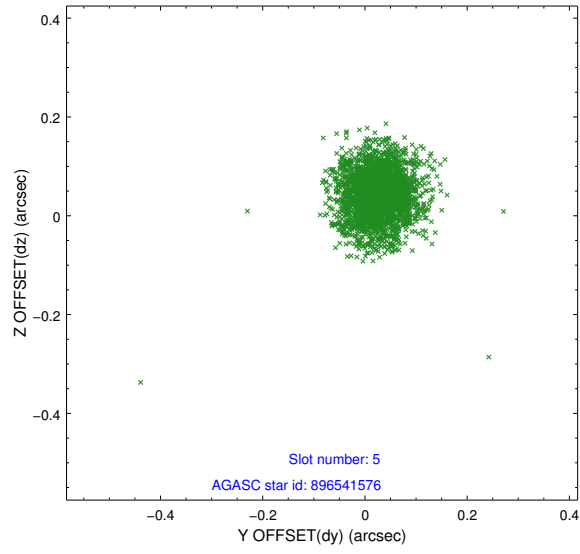
### 2.4.1 Slot 3



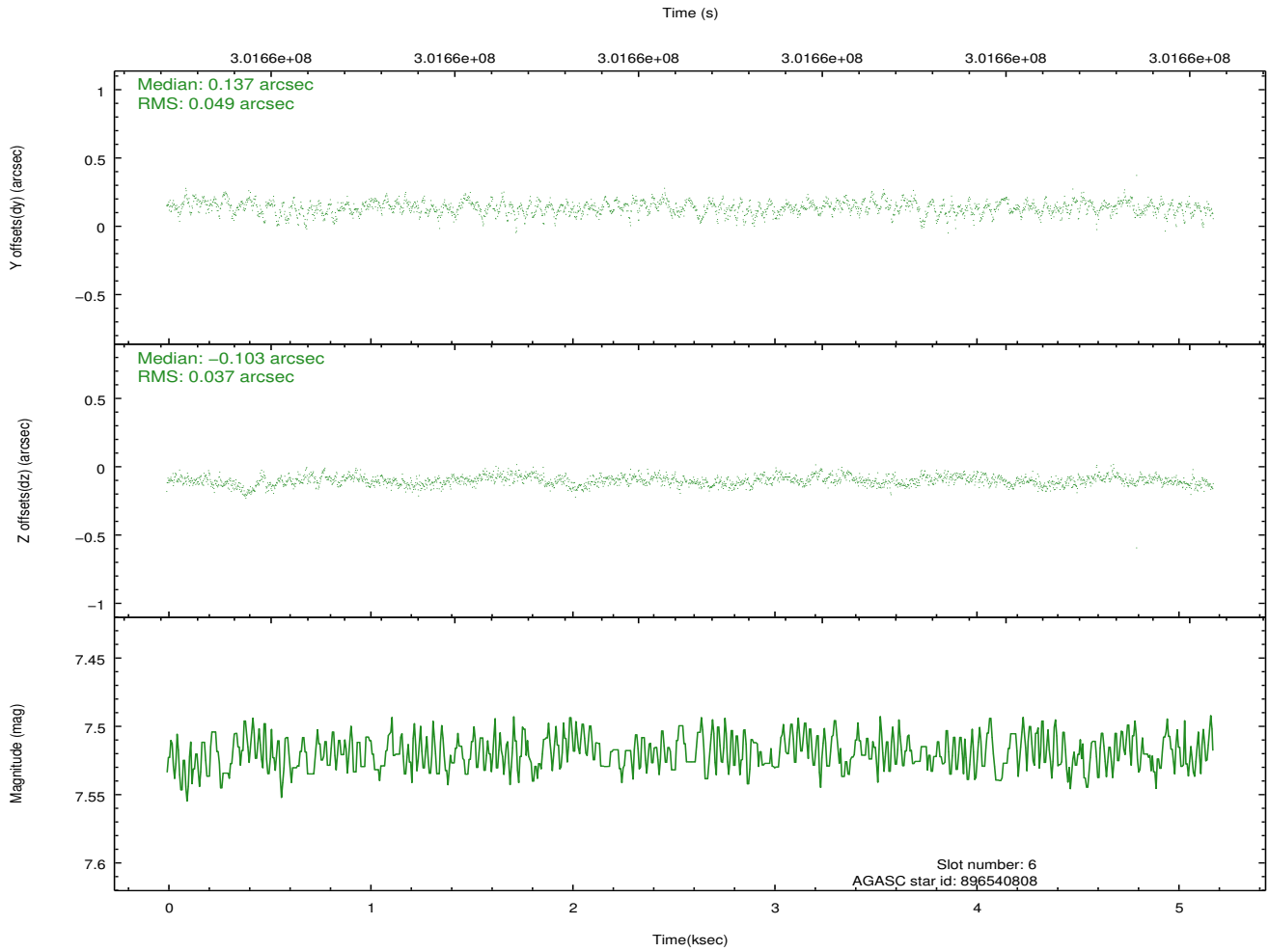
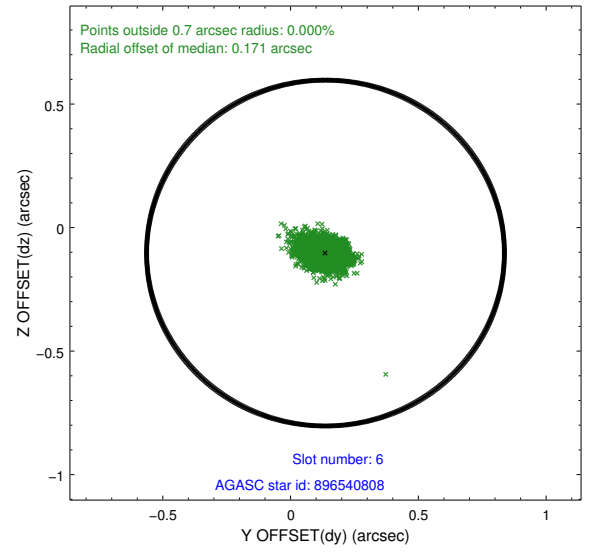
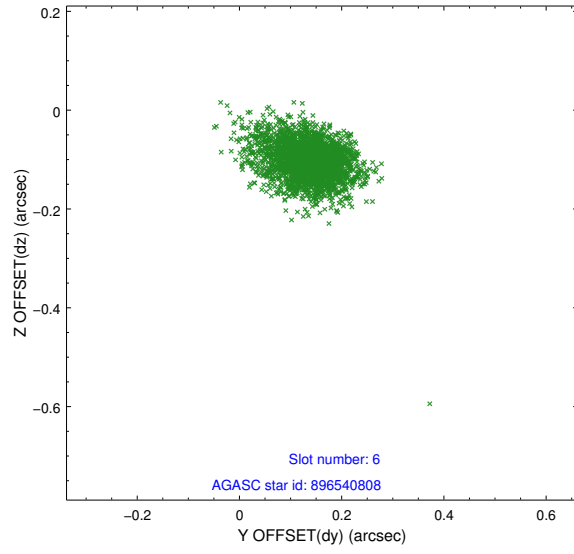
## 2.4.2 Slot 4



### 2.4.3 Slot 5

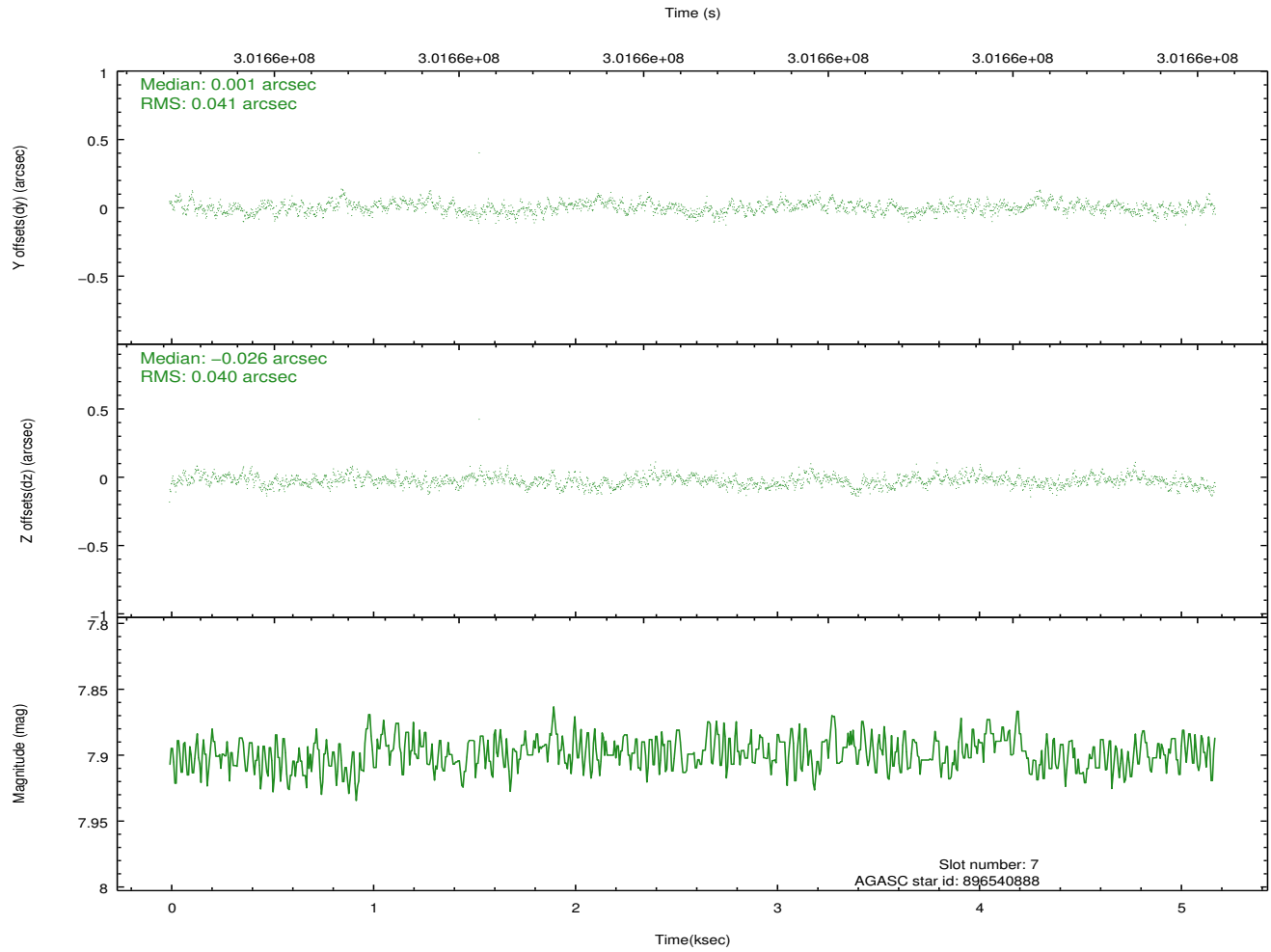
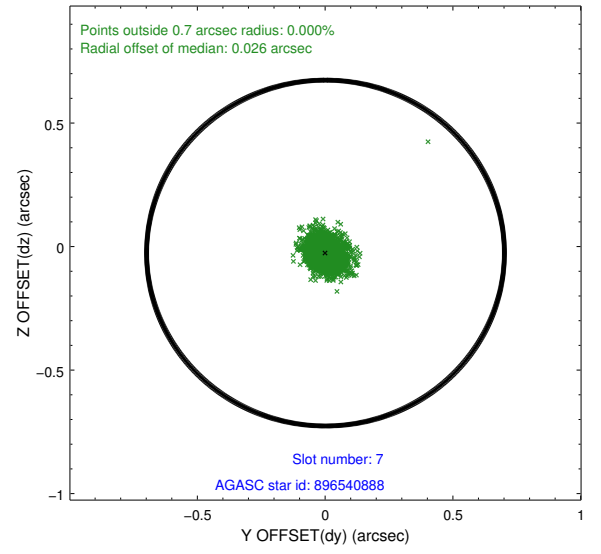
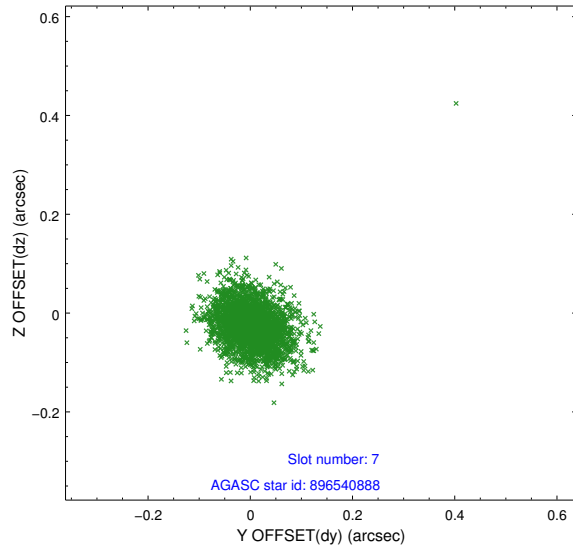


## 2.4.4 Slot 6



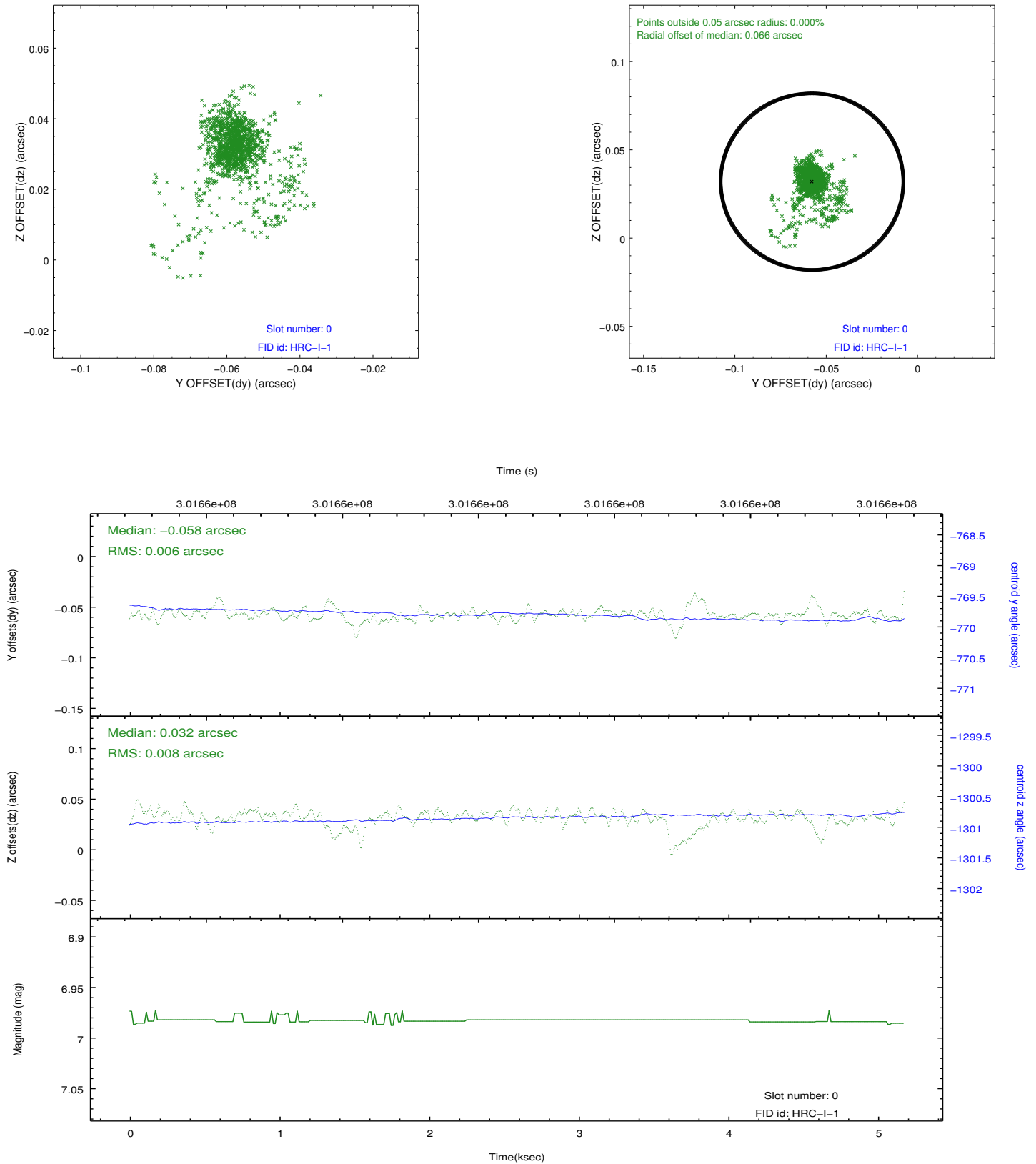


## 2.4.5 Slot 7

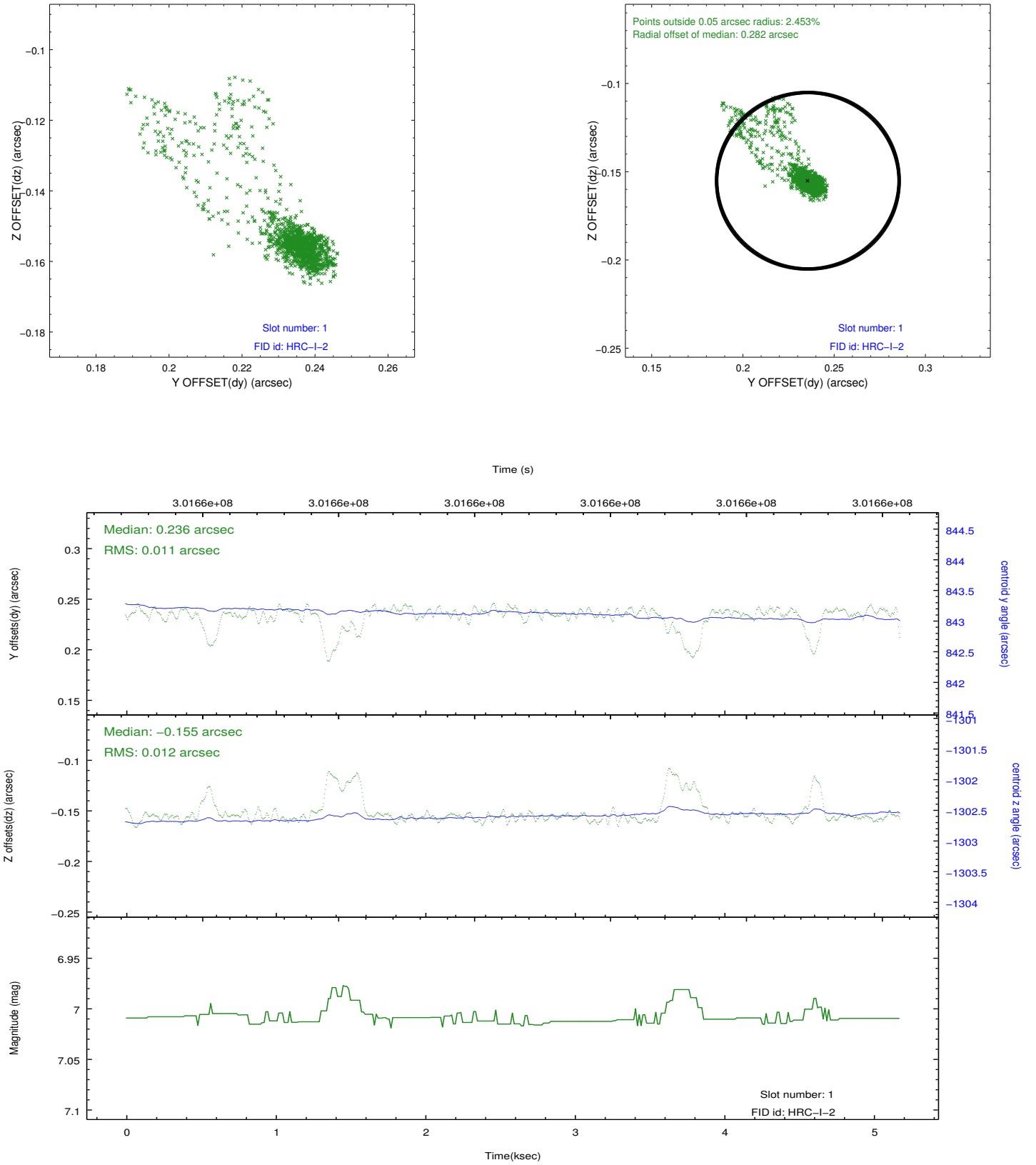


## 2.5 FID Slots

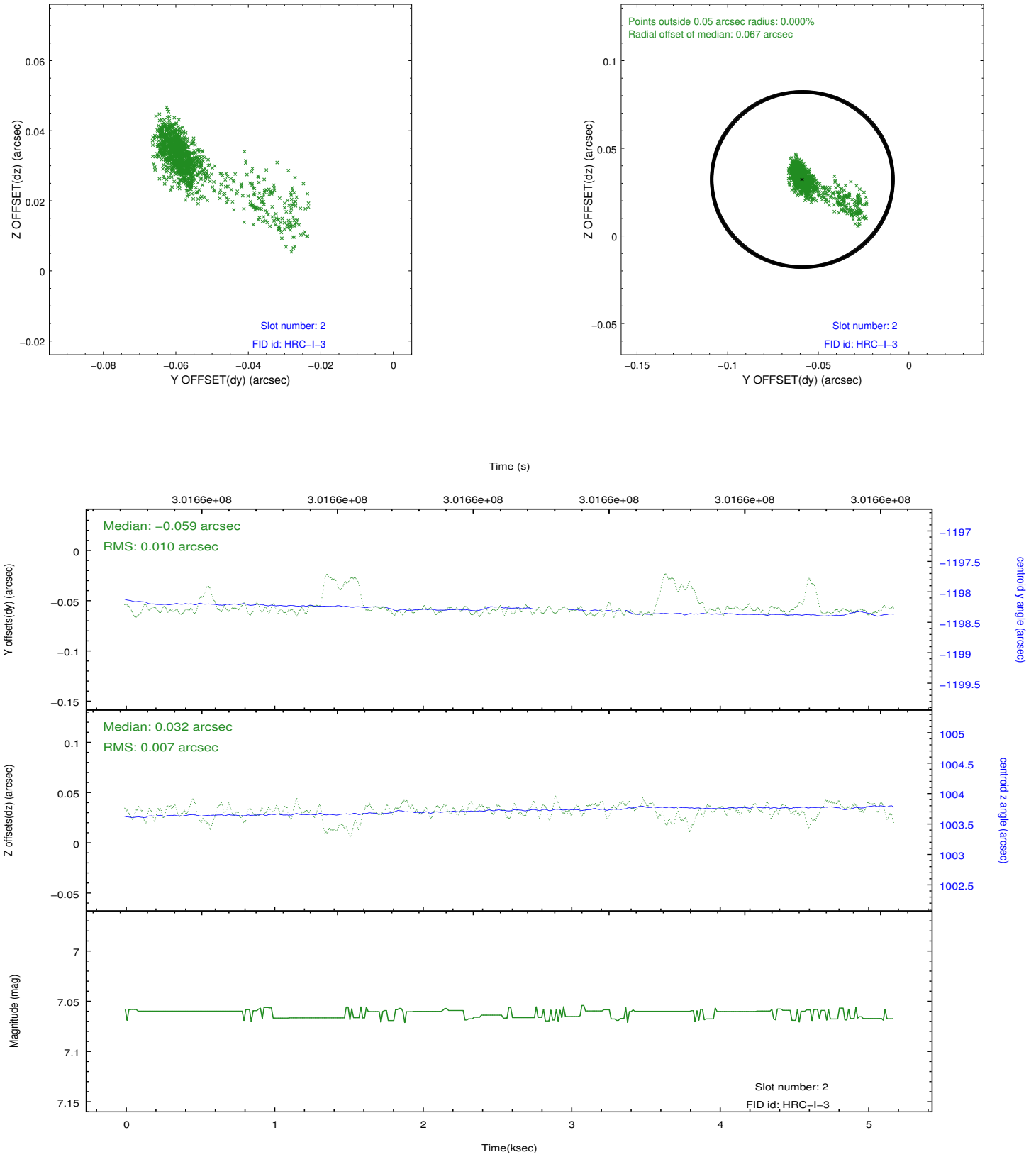
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.17958149

### A.2 Comments

Joint proposal CX0-XMM. Window constraint met.