



Data reduction with Demetra

Sacramento Mountains Spectro Workshop - 2
February 22nd - 24th, 2019

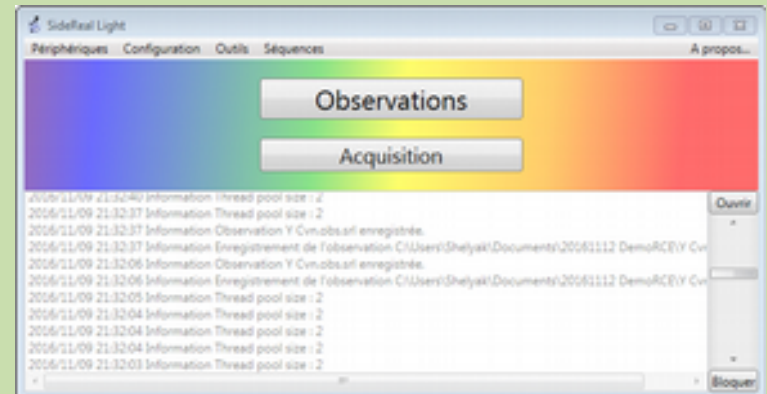
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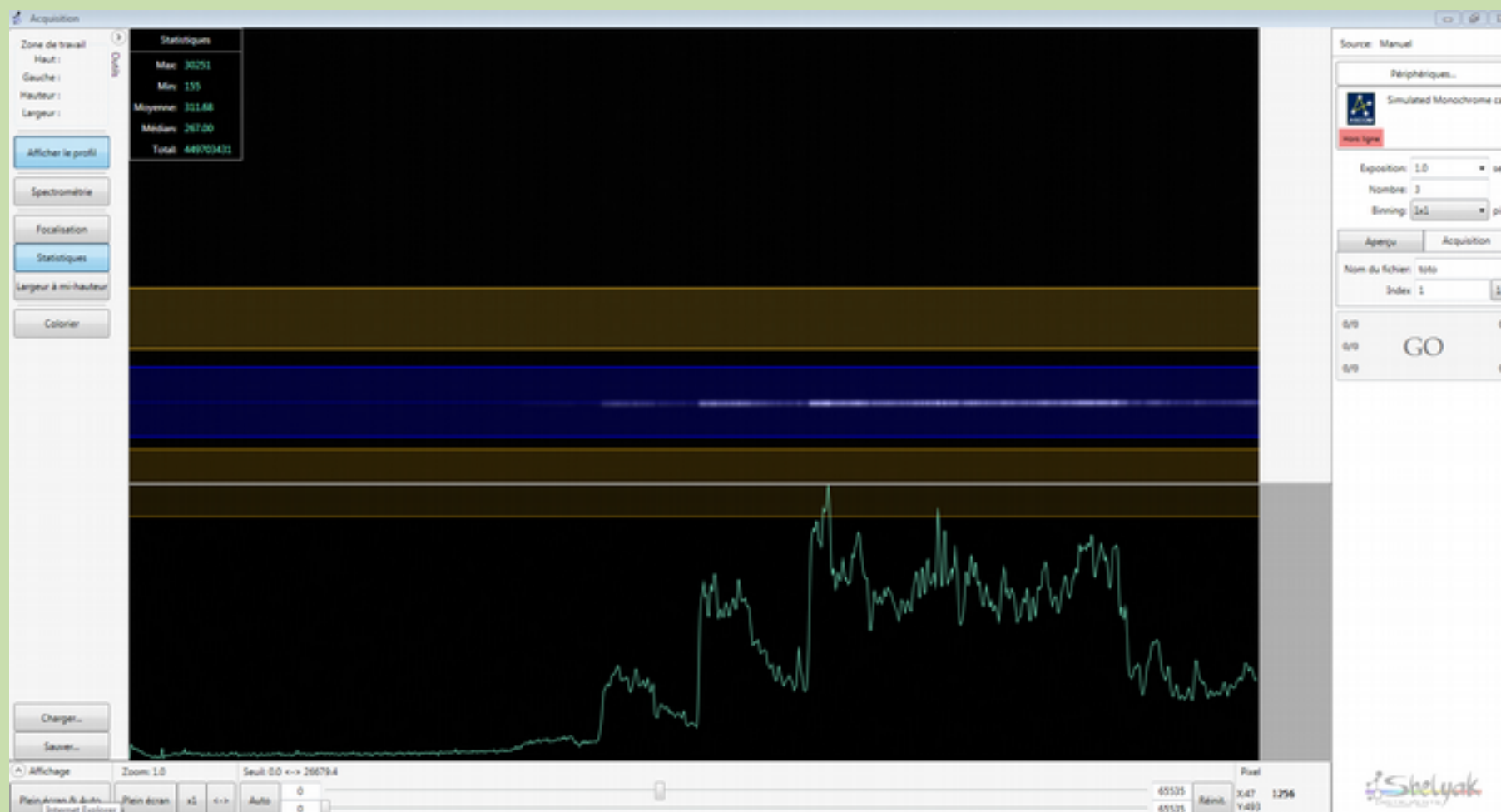
Au programme



- Introduction to Demetra
- Demo live

- A single software for both acquisition & reduction
 - Dedicated to Alpy (eShel soon)
- Observing session management
- Observation = one images set
- Useful information during acquisition
- Color coding
 - Green = I can go to bed
- Includes a log book
- Data reduction in one click...
 - ... and the full control given to the observer
- Only based on standard formats





Session

Session d'observation

V:\Documents\2016\112 DemoRCE

Changer... Explorer

Archiver...

Paramètres de session

Note

08/11/2016-17:27 Session de dém
Je reprends les images réalisées à

Éditeur externe date/heure

Liste des observations

Vega

Y Cvn

gem Cas

Arcturus

Observation: Vega

Exporter... Renommer...

Definition Images Réduction de données Exploitation

Sélection du panier

Object

Offset

Dark

Flat

Calibration

Panier

Vega_0h_20150820_220016-1.fr

Vega_0h_20150820_220016-2.fr

Vega_0h_20150820_220016-3.fr

Vega_0h_20150820_220016-4.fr

Vega_0h_20150820_220016-5.fr

Vega_0h_20150820_220016-6.fr

Vega_0h_20150820_220016-7.fr

Aquérir séquence...

Acquérir

Ajouter...

Enlever

Vega_0h_20150820_220016-5.fr

4 Afficher (1)

Spectromètre

Avis	Haut :	719	Éditer
	Bas :	644	
Spectrom	Centre :	579.0	Éditer
	Hauteur :	86	
Bas	Haut :	521	Éditer
	Bas :	438	

Valider

Affichage Zoom: 1.2 Seuil: 208.9 <-> 28555.5

Nouvelle Copier Supprimer

Plein écran & Auto Plein écran x1 <-> Auto

Pixel

65535 X:202 Y:827

Reinit.



Session

Observing session

slyak\Demetra\data\O.Garde\EShel

Change folder
Explore folder

Create archive...

Session parameters

Note

External editor

Add date/time

Observation list

Tau

Tau backup 1.obs.srt

New

Copy

Remove

Definition

Images

Data reduction

Output

Process

Masters

Preprocess

Order detection

Extraction (o)

Geometry

Stack

Calibration

Response

Scale

Crop

Run

Save Interm. images

Compute

Tau\lat1_M.fit

Order 31

Position X 687

Y 889.83

Boundaries Low

Orders to process: Order range From 30 To 57

Orders detection: Edit parameters...

Params

Open

Lock

2019/02/19 10:22:39 Information Loading sources files for process step ordersExtraction...

2019/02/19 10:22:39 Information Loading sources files for process step ordersDetection...

2019/02/19 10:20:59 Information Loading sources files for process step ordersExtraction...

2019/02/19 10:20:59 Information Loading sources files for process step ordersDetection...

2019/02/19 10:05:02 Information Deleting obsolesces sources files for process step crop...

2019/02/19 10:05:02 Information Loading sources files for process step crop...

2019/02/19 10:04:59 Scale Information Scale process applied for order Order57 : coefficient0.425321249566117

2019/02/19 10:04:59 Scale Information Scale process applied for order Order56 : coefficient0.425321249566117

2019/02/19 10:04:59 Scale Information Scale process applied for order Order55 : coefficient0.425321249566117

2019/02/19 10:04:59 Scale Information Scale process applied for order Order54 : coefficient0.425321249566117

2019/02/19 10:04:58 Scale Information Scale process applied for order Order53 : coefficient0.425321249566117

2019/02/19 10:04:58 Scale Information Scale process applied for order Order52 : coefficient0.425321249566117

2019/02/19 10:04:58 Scale Information Scale process applied for order Order51 : coefficient0.425321249566117

2019/02/19 10:04:58 Scale Information Scale process applied for order Order50 : coefficient0.425321249566117

Order detection

Show

Order detection

Background image

Calibration

Auto detection

Reference order

Ref. order 34

Ref. order center 6500.256

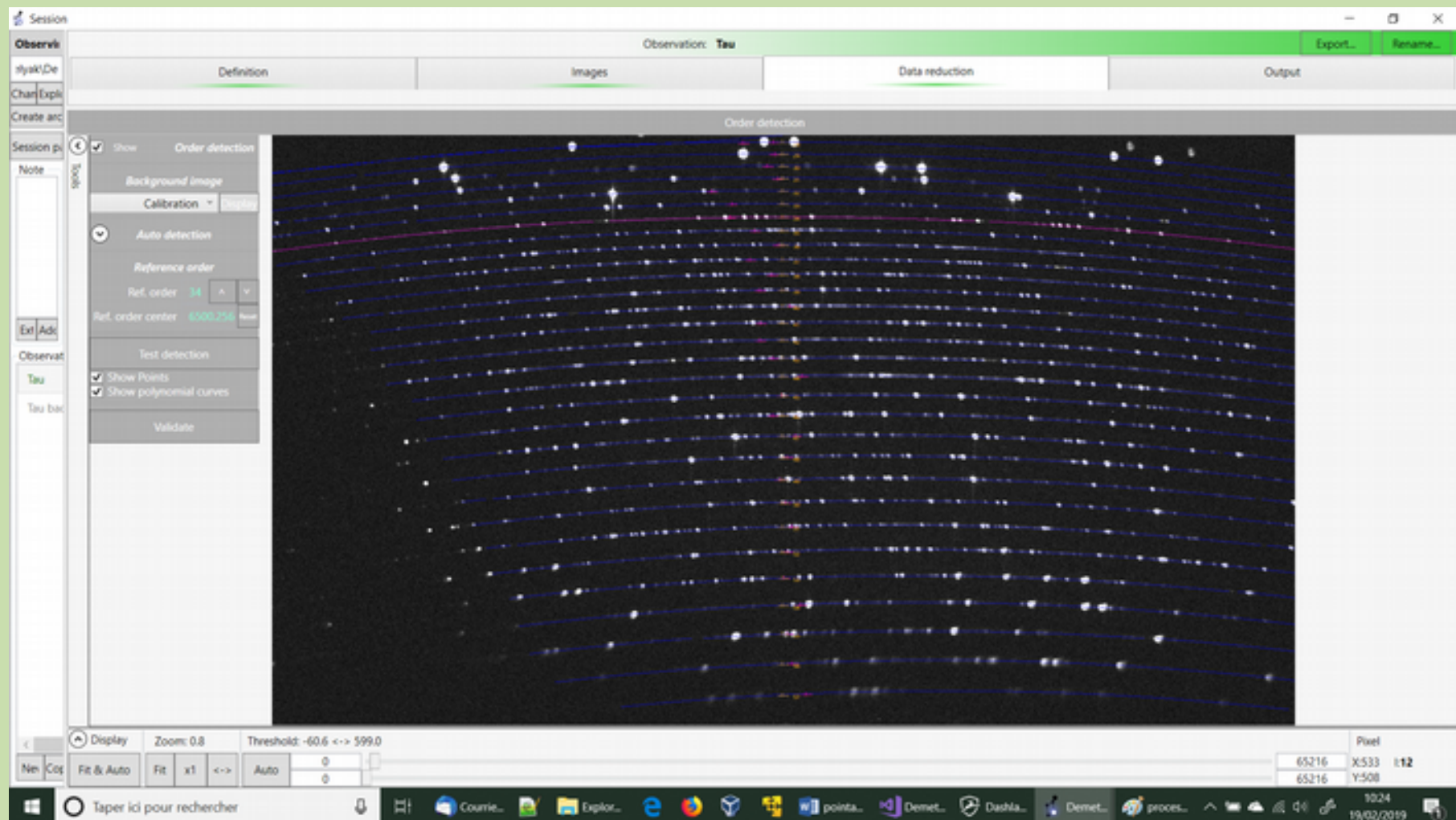
Test detection

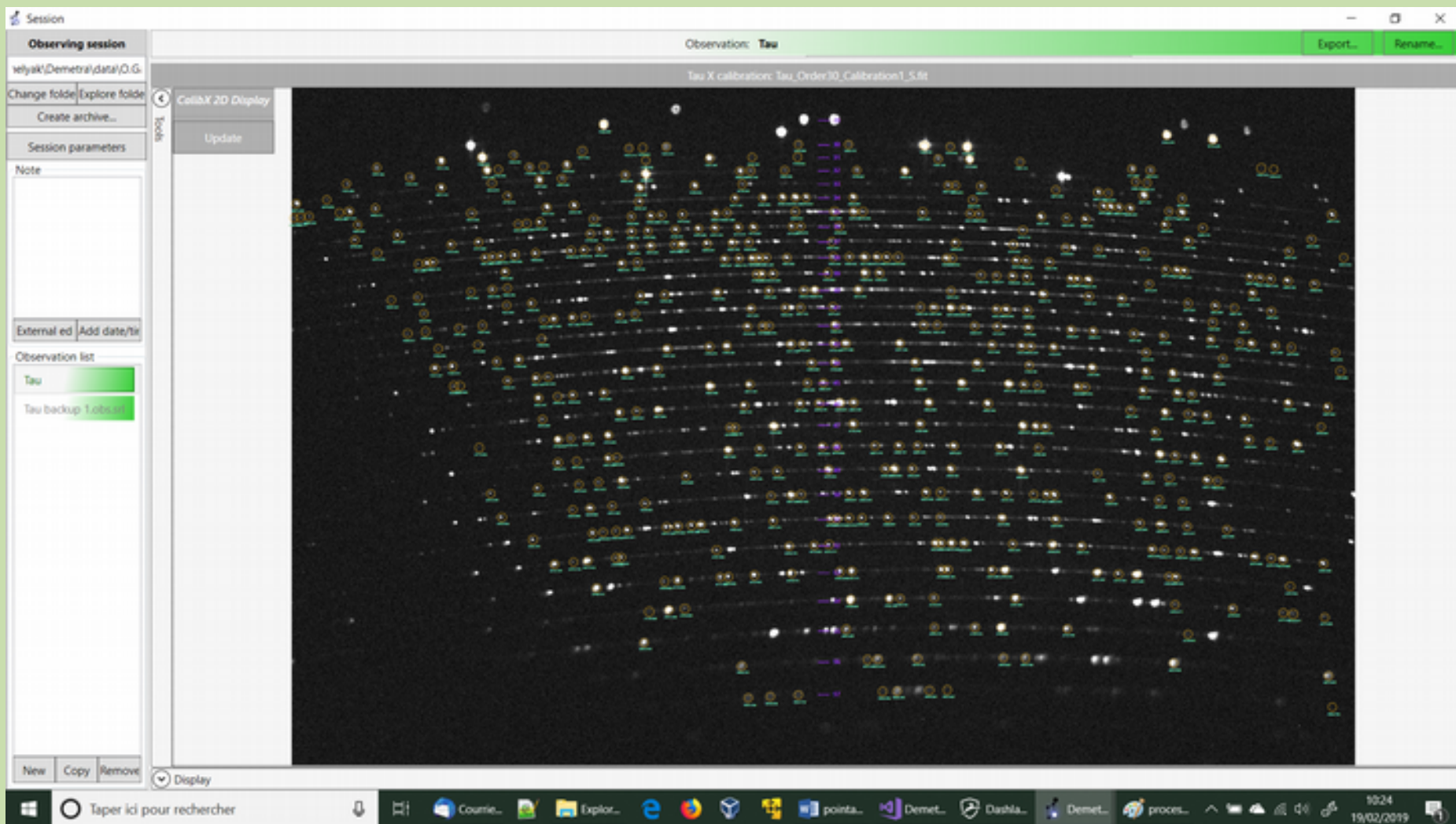
Show Points

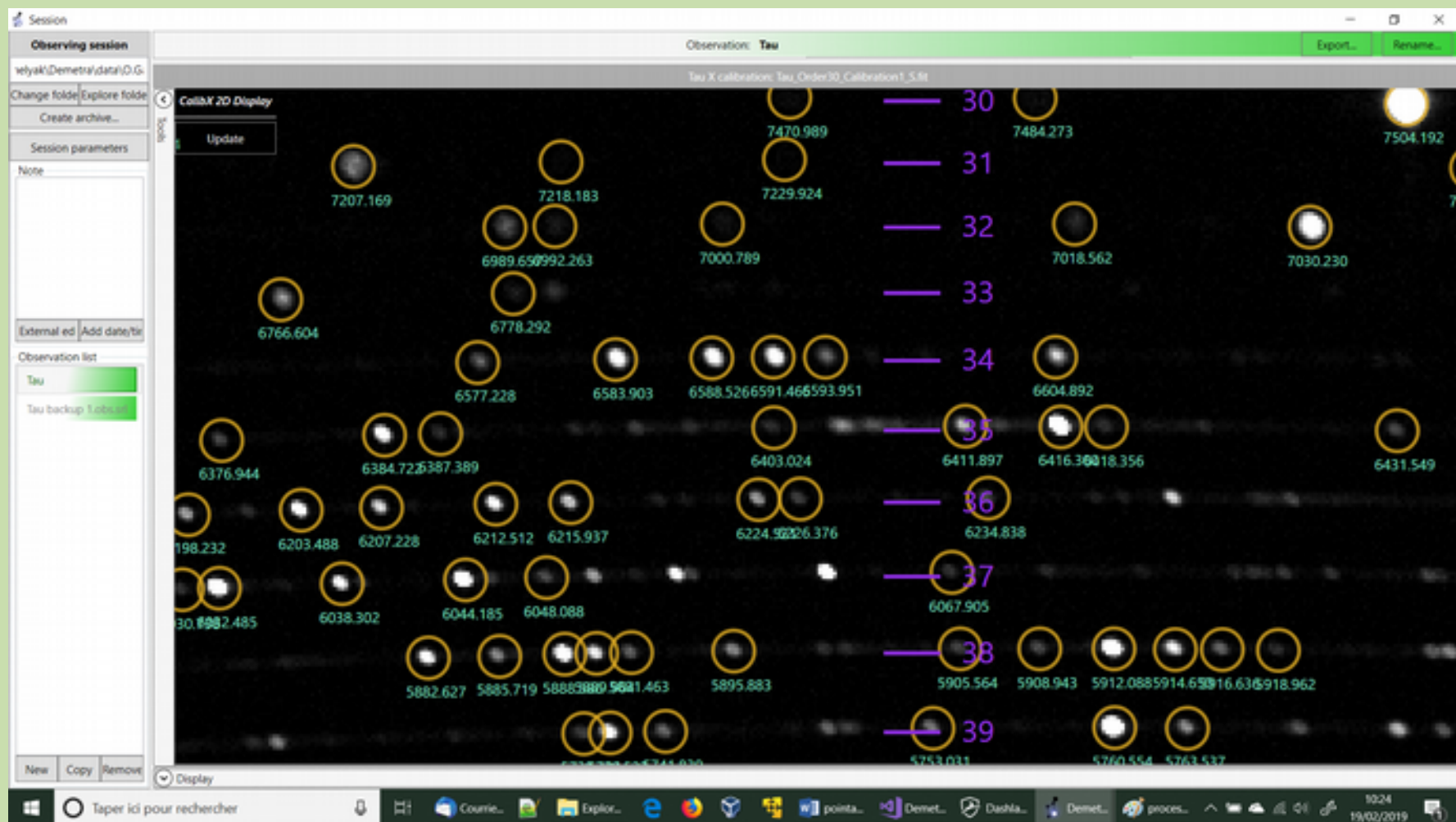
Show polynomial curves

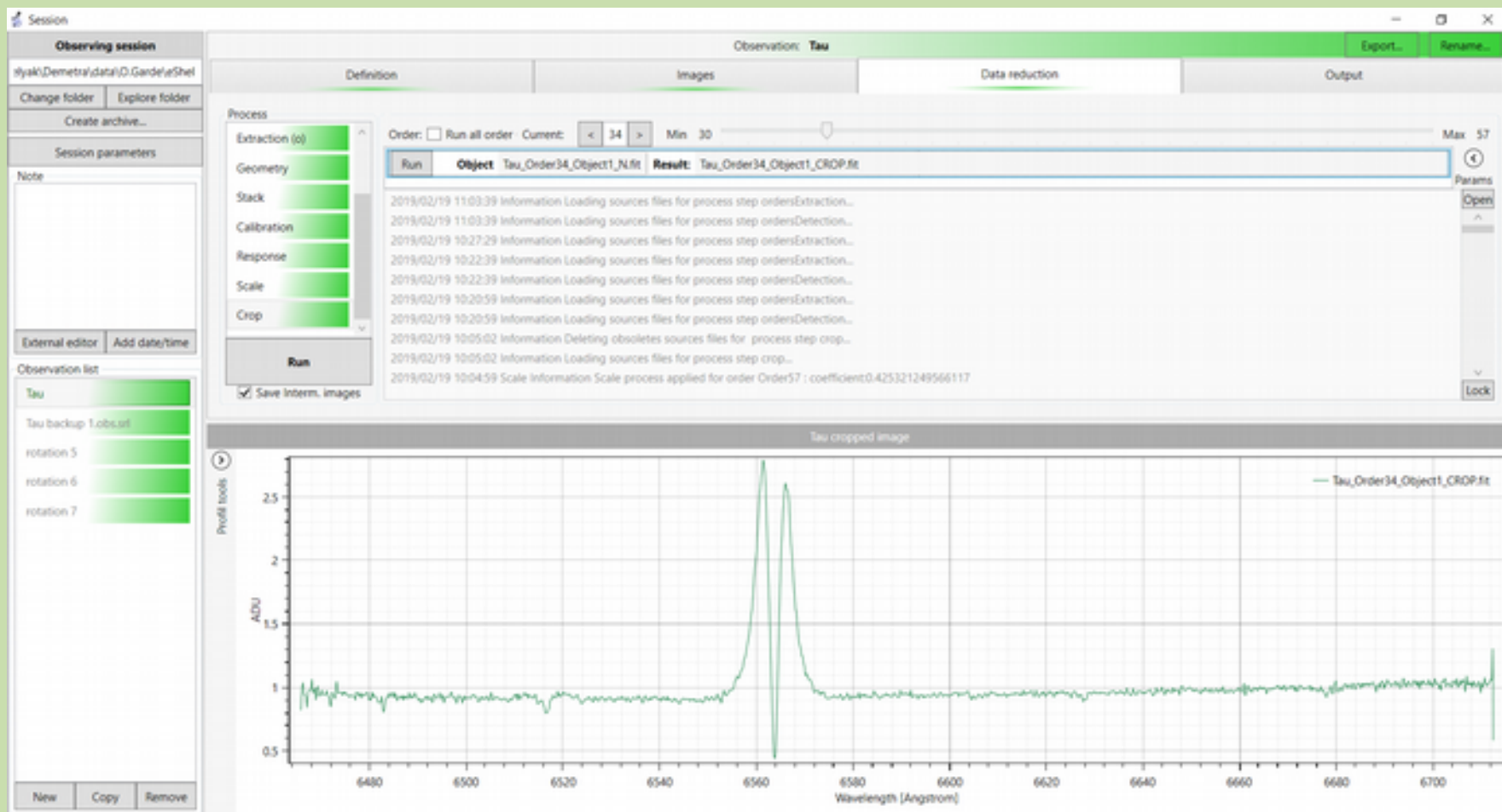
Stack

Order detection









Merci !

*Vous ne verrez
plus les étoiles
comme avant !*



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