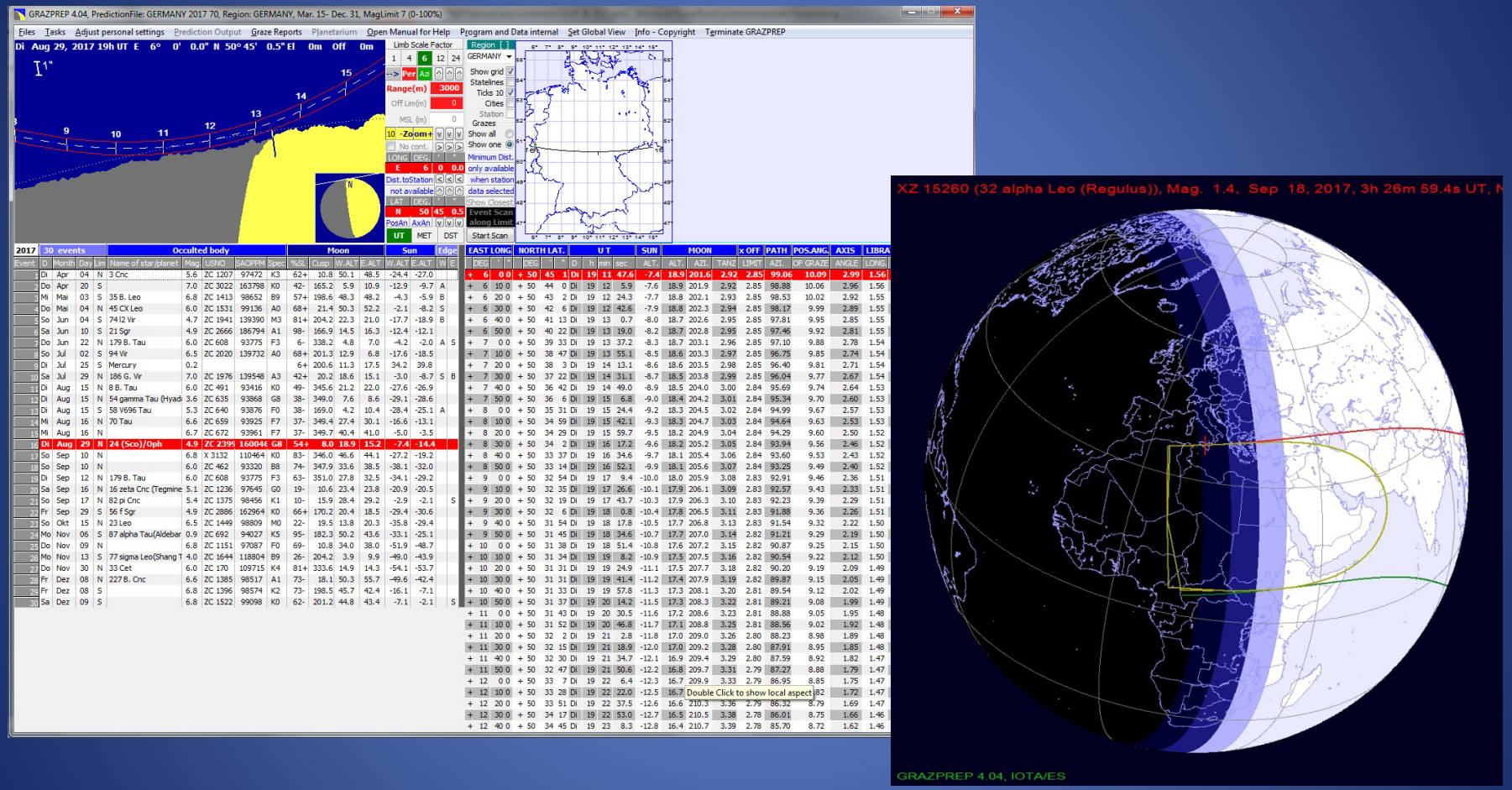
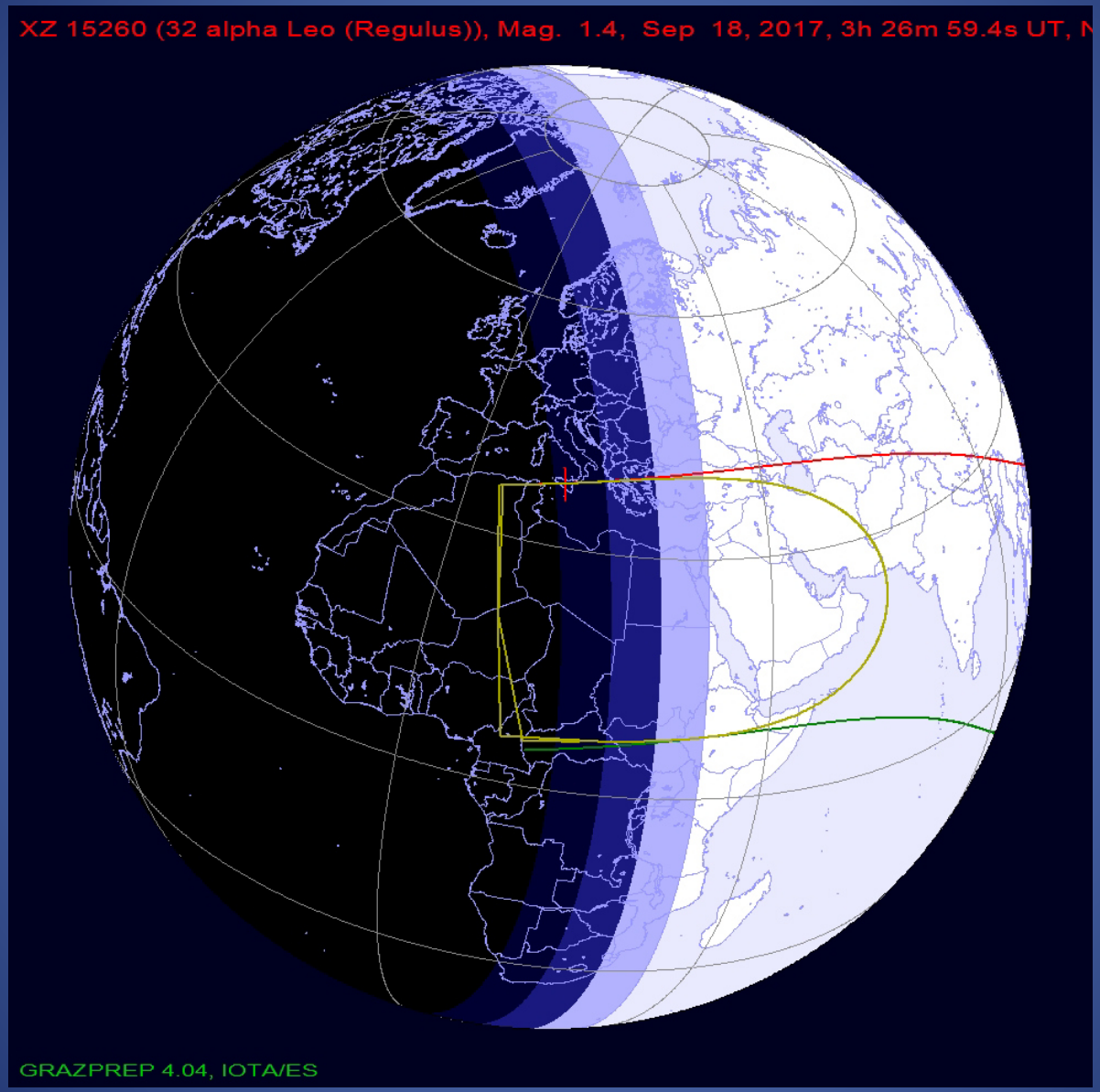
GRAZPREP: Features and Limitations



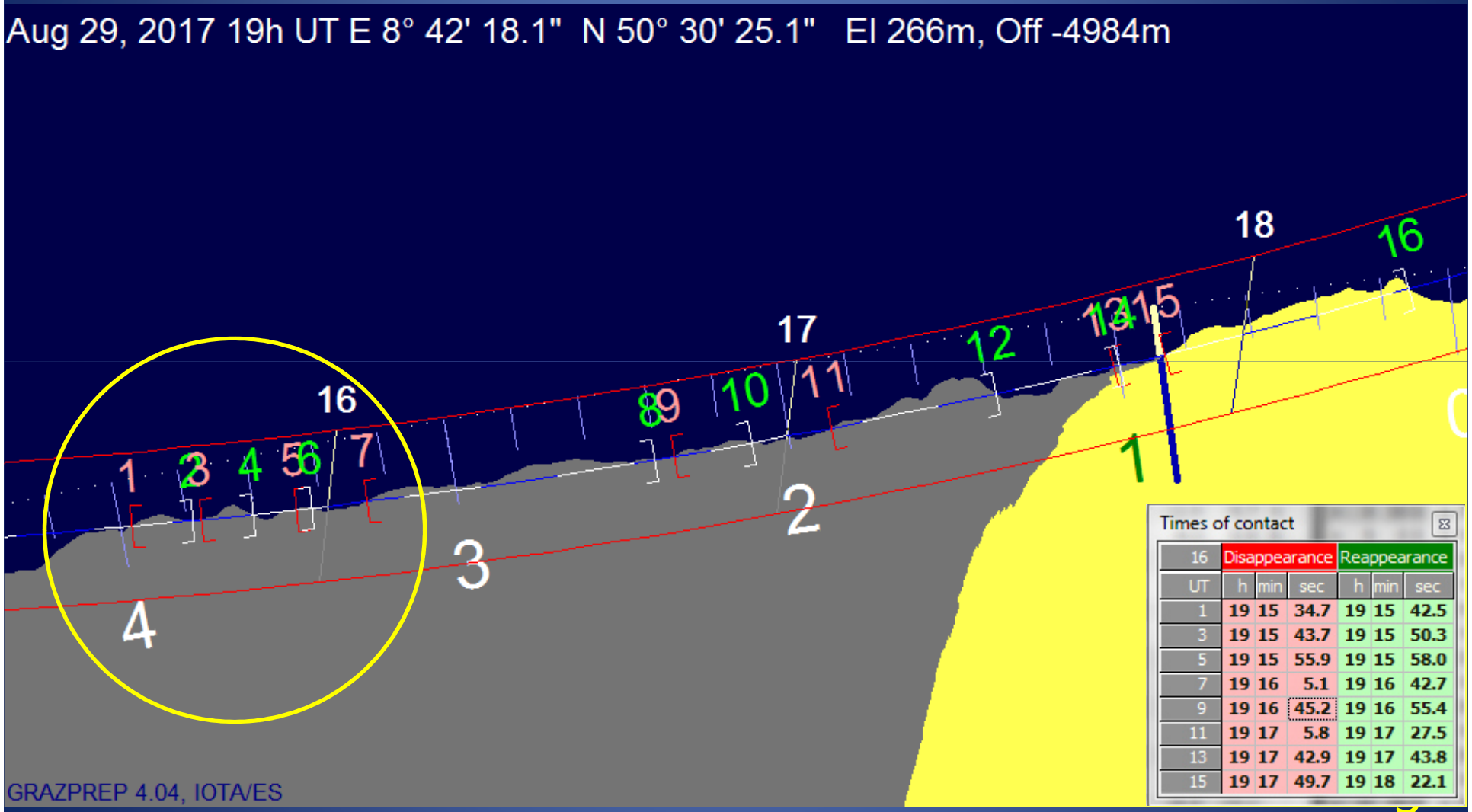
Dr. Eberhard Riedel, IOTA/ES, Munich, Germany

GRAZPREP: Features and Limitations



GRAZPREP: Features and Limitations

Graze-Report ZC 2399 (24 (Sco)/Oph, 4.9 mag.):

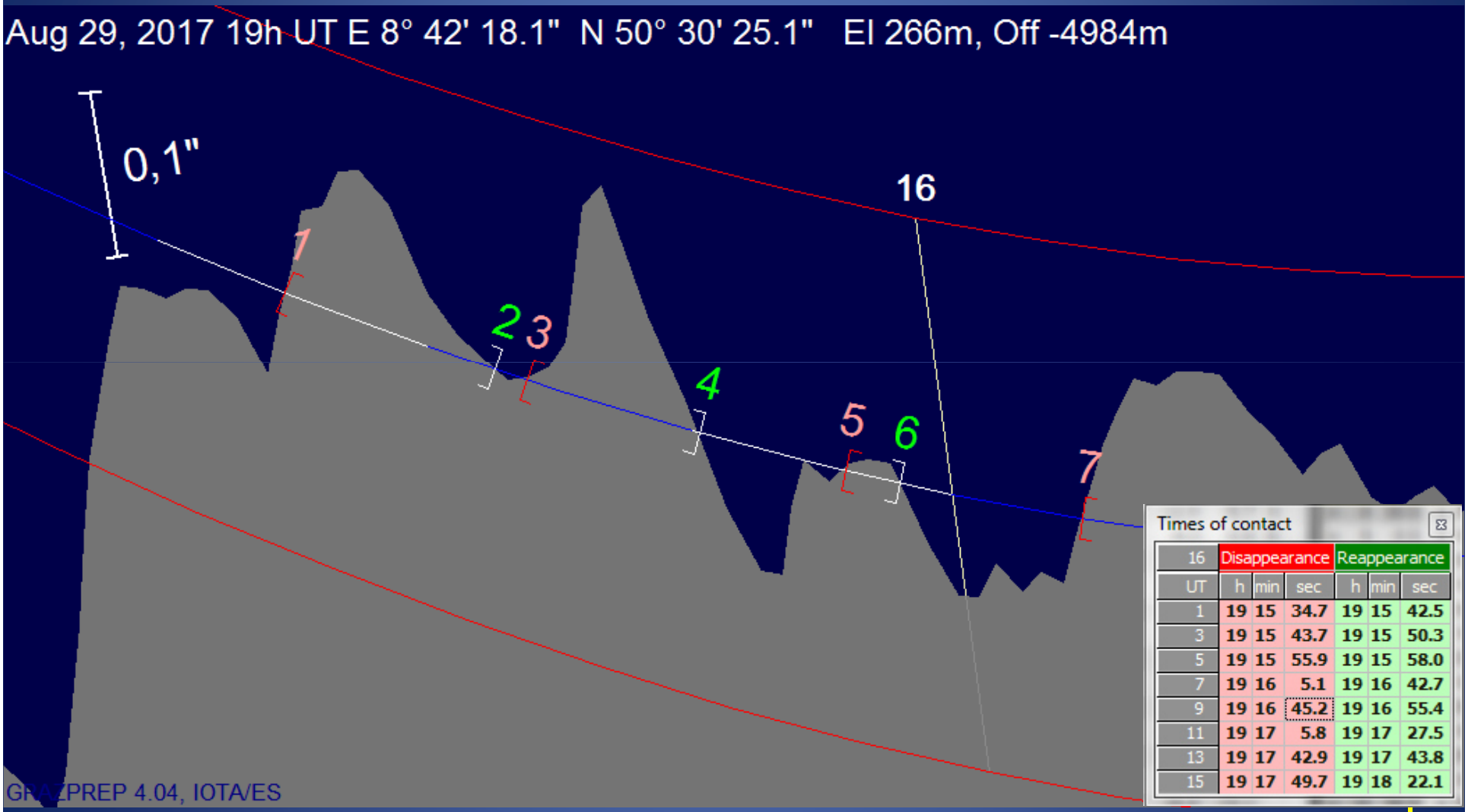


Times of contact

16	Disappearance			Reappearance		
UT	h	min	sec	h	min	sec
1	19	15	34.7	19	15	42.5
3	19	15	43.7	19	15	50.3
5	19	15	55.9	19	15	58.0
7	19	16	5.1	19	16	42.7
9	19	16	45.2	19	16	55.4
11	19	17	5.8	19	17	27.5
13	19	17	42.9	19	17	43.8
15	19	17	49.7	19	18	22.1

GRAZPREP: Features and Limitations

Graze-Report ZC 2399 (24 (Sco)/Oph, 4.9 mag.):



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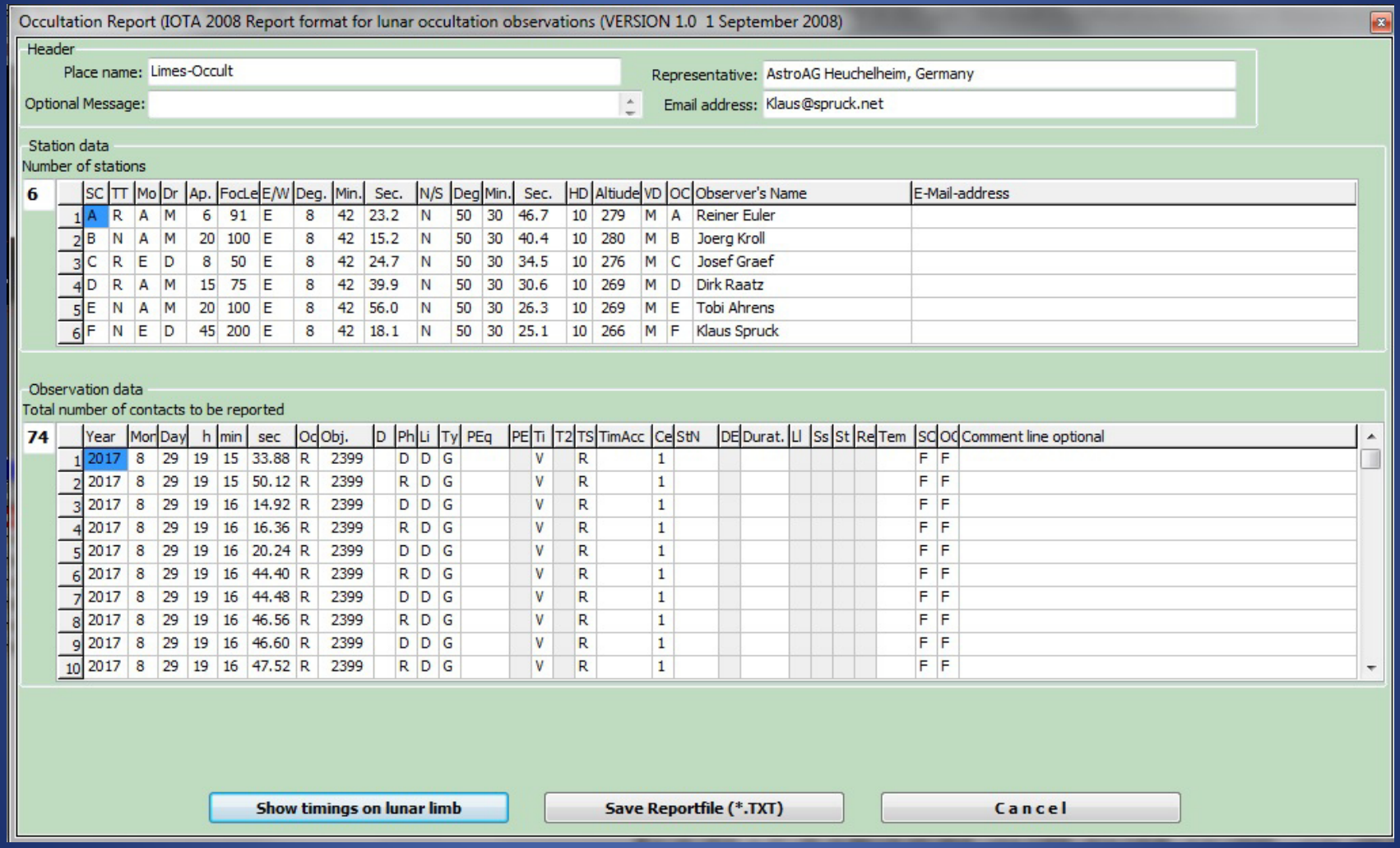
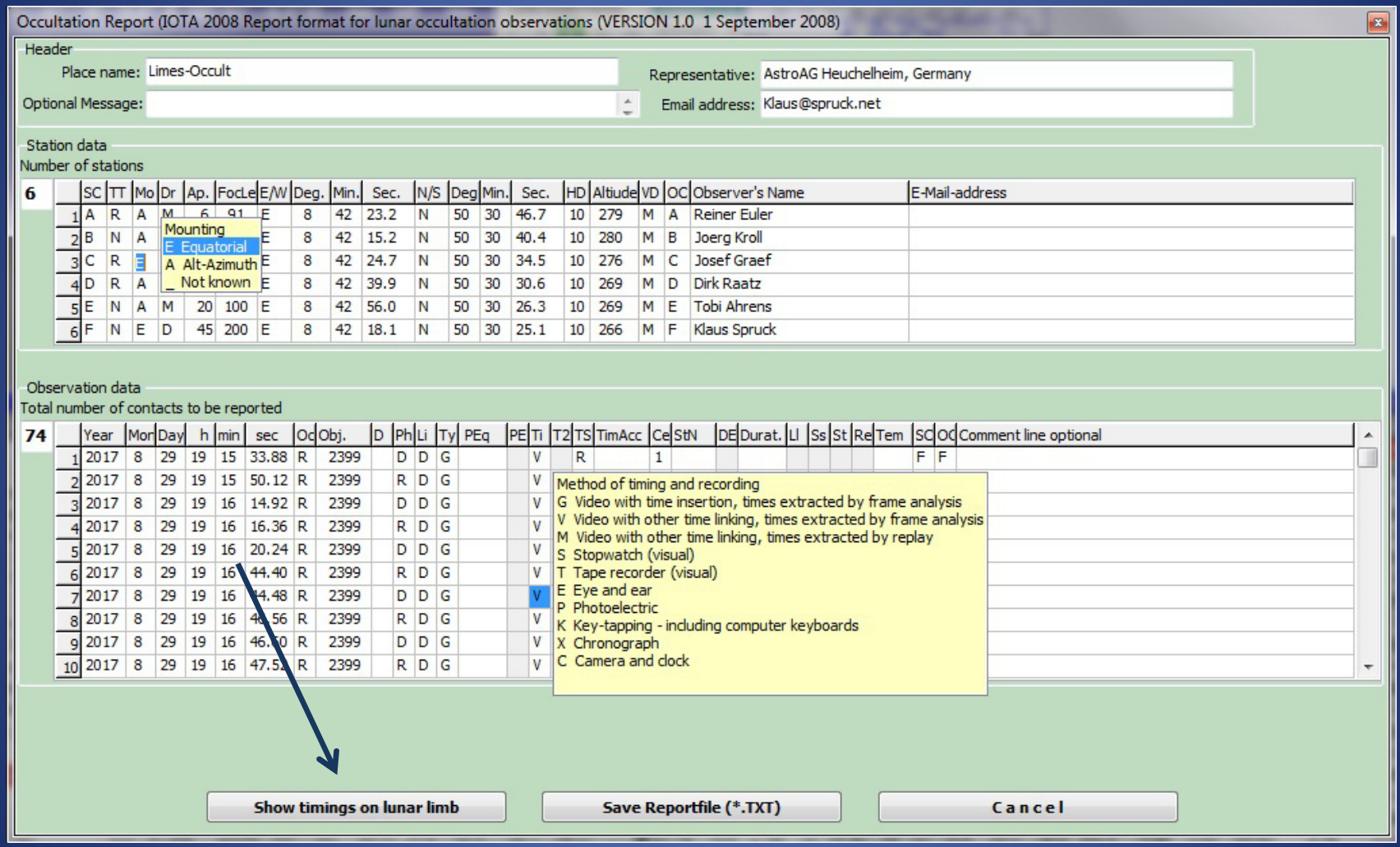
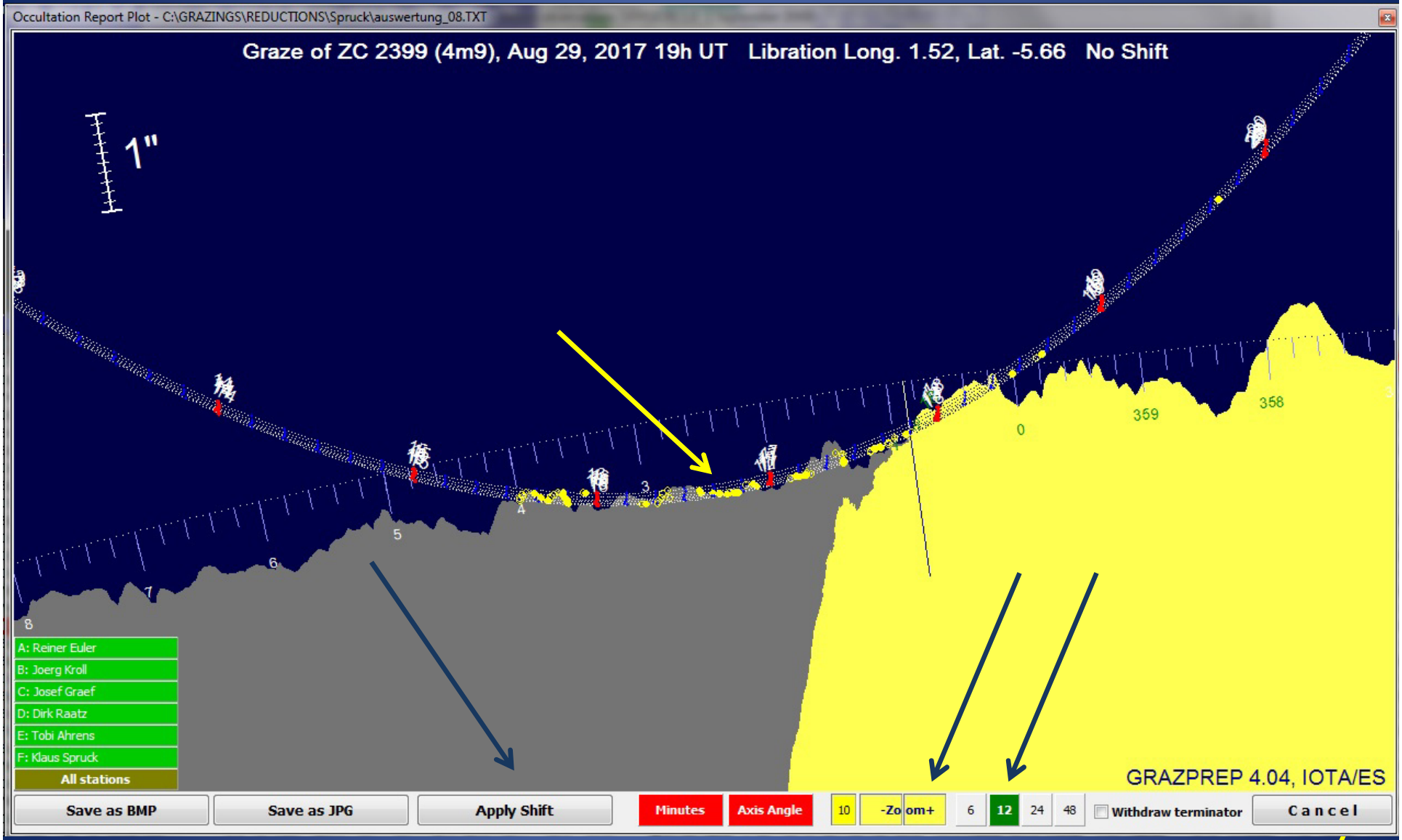
GRAZPREP: Features and Limitations



GRAZPREP: Features and Limitations



GRAZPREP: Features and Limitations



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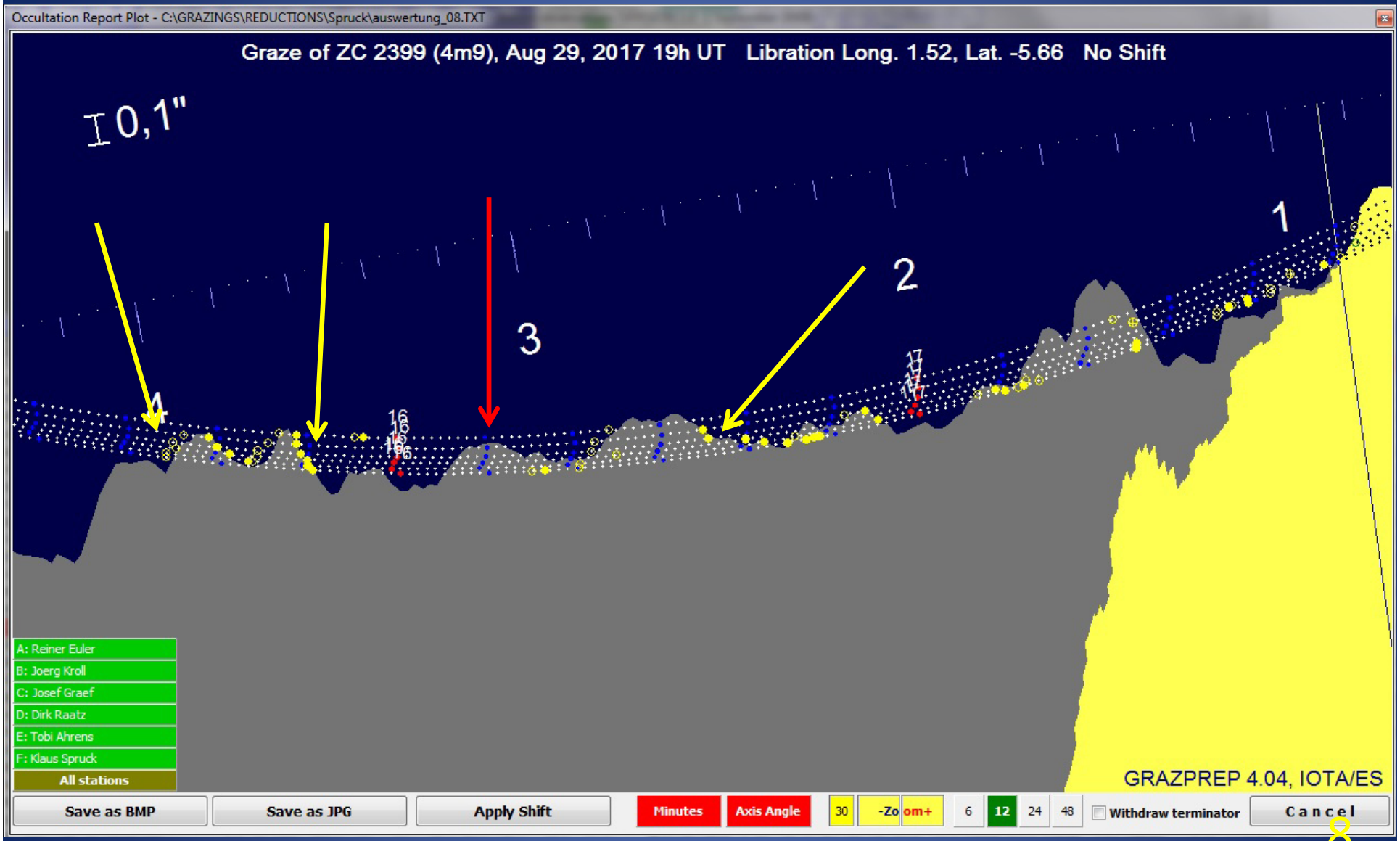

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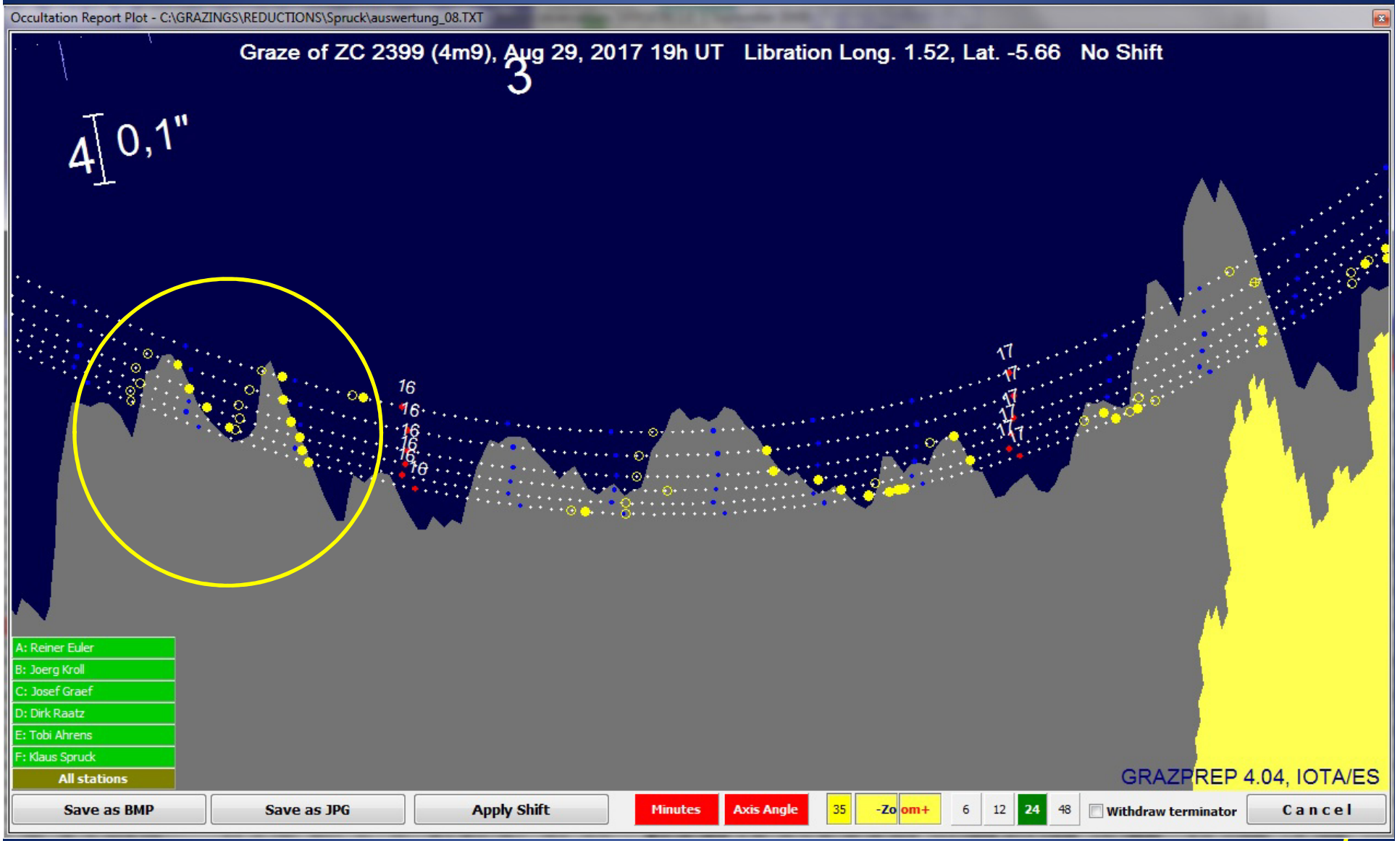
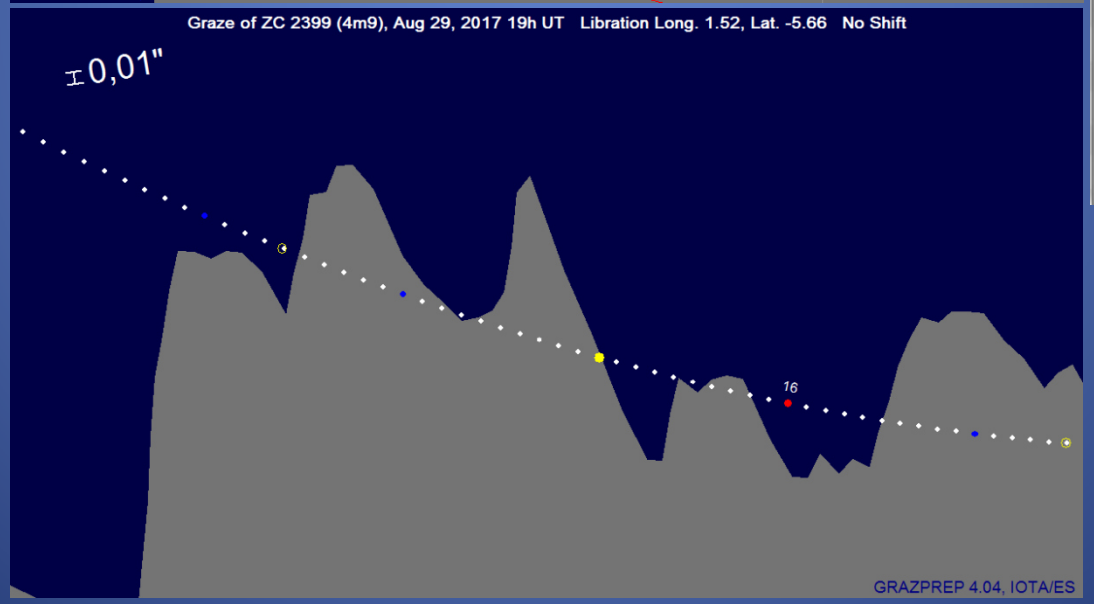


GRAZPREP: Features and Limitations

Prediction:

Observation:



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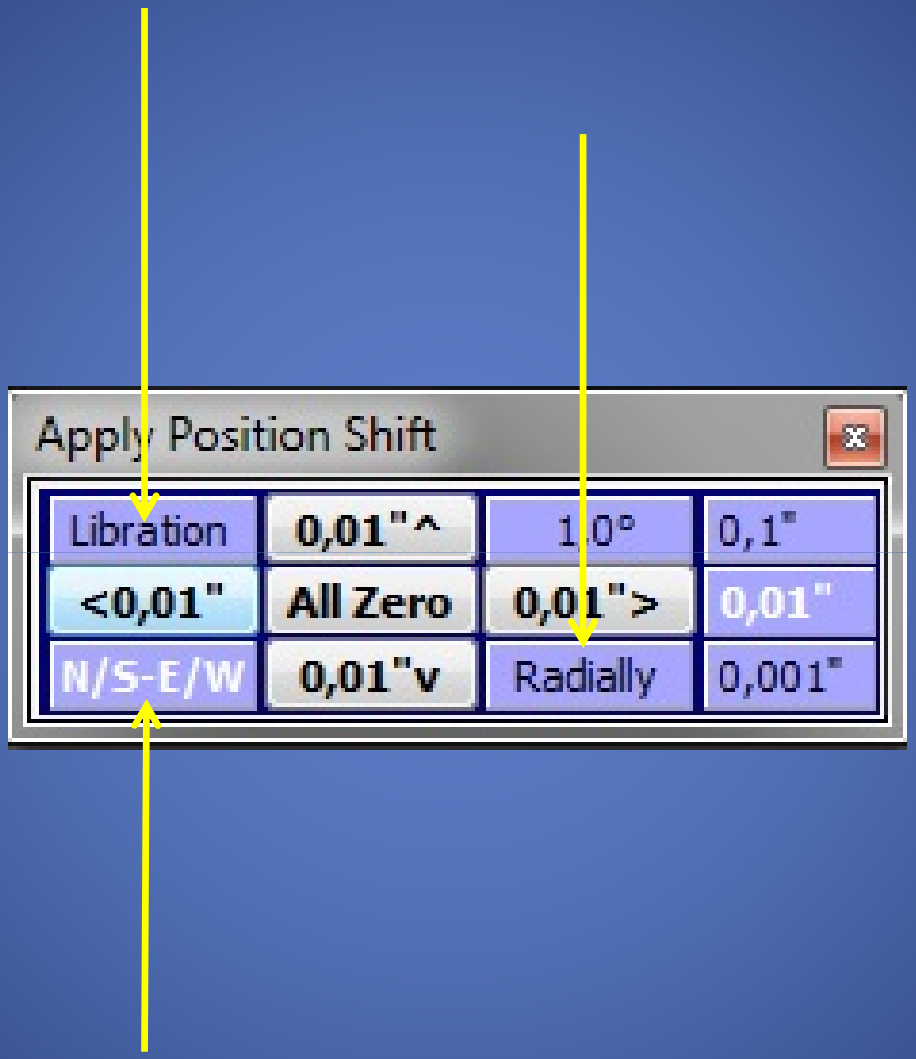
GRAZPREP: Features and Limitations



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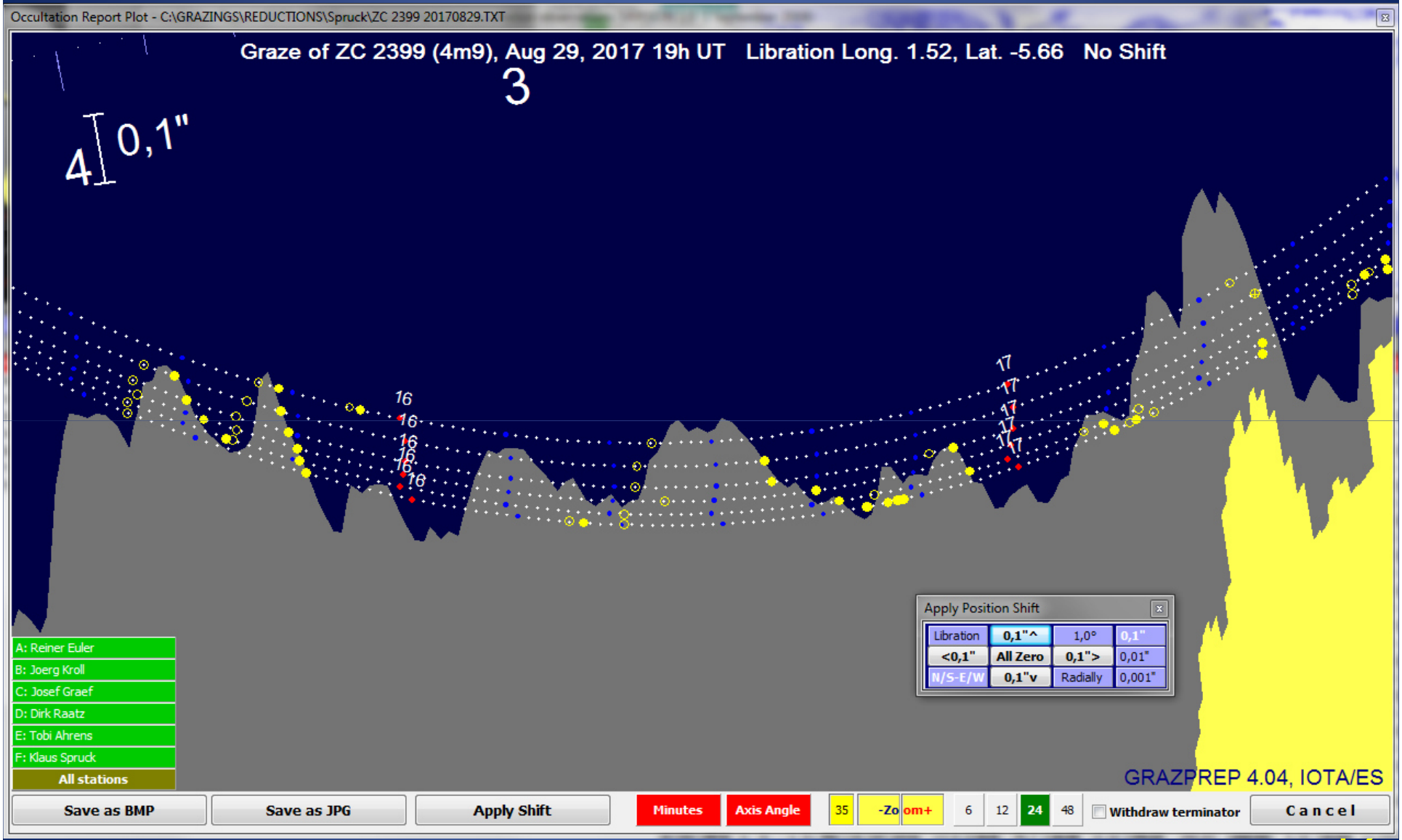

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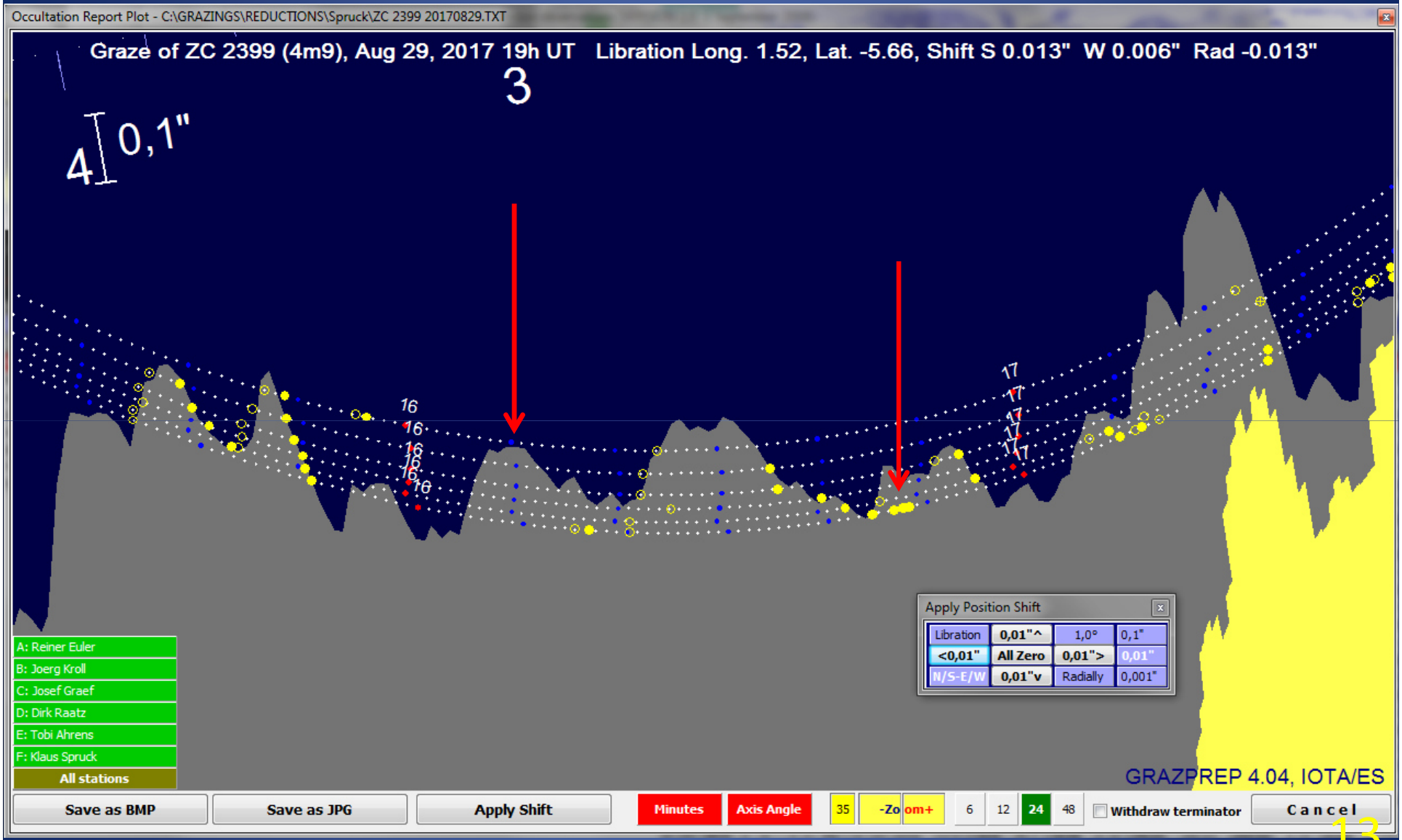

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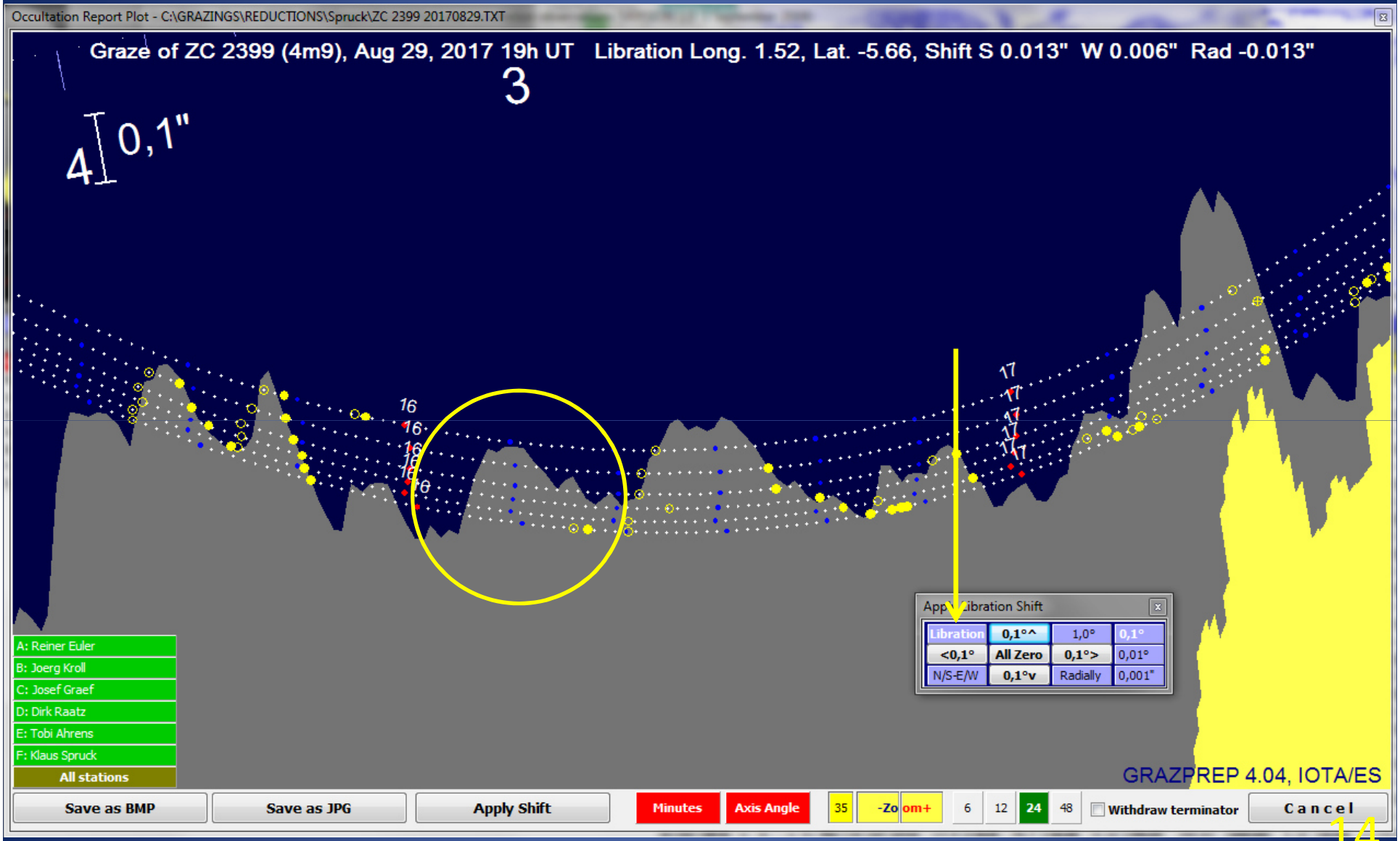

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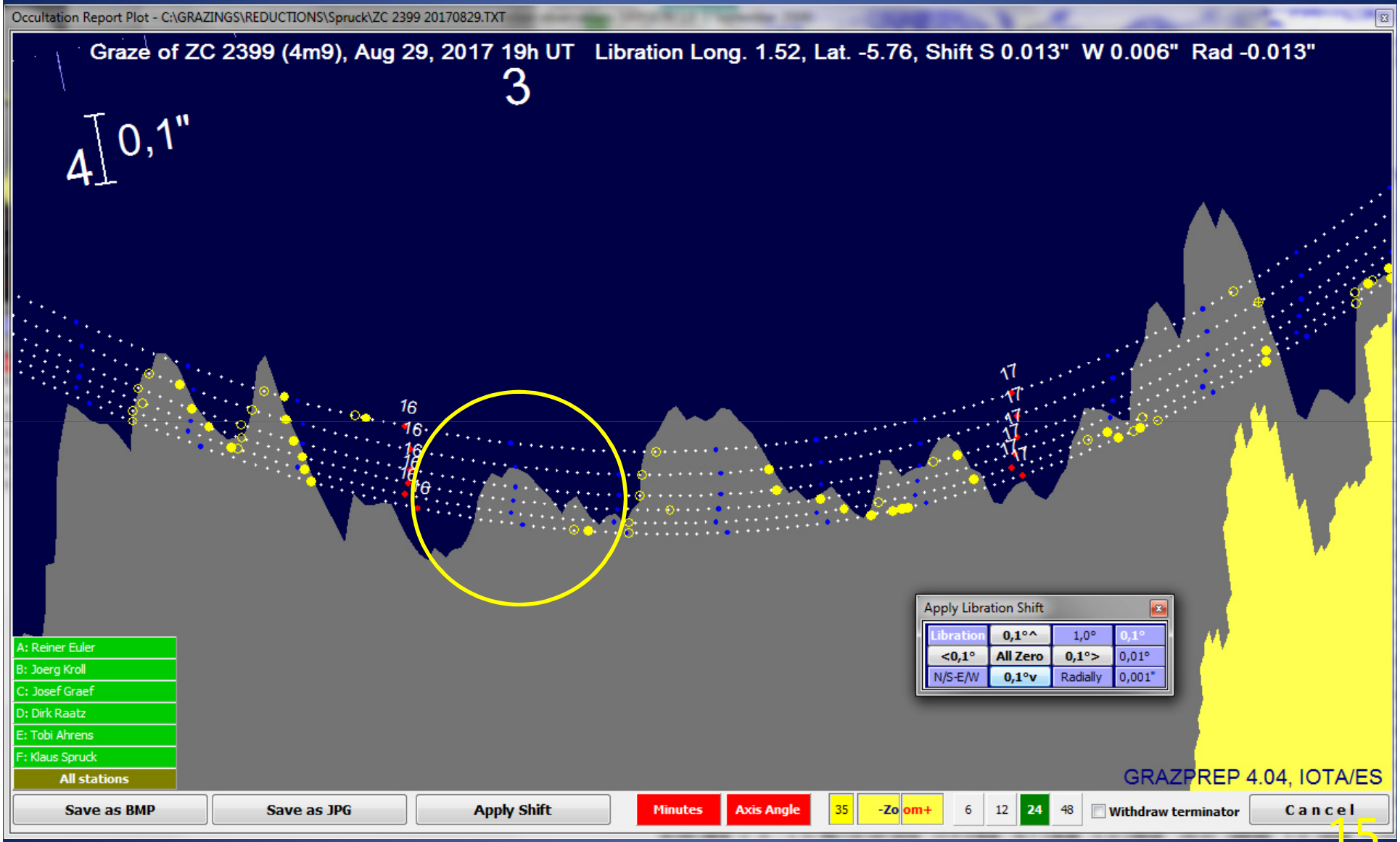

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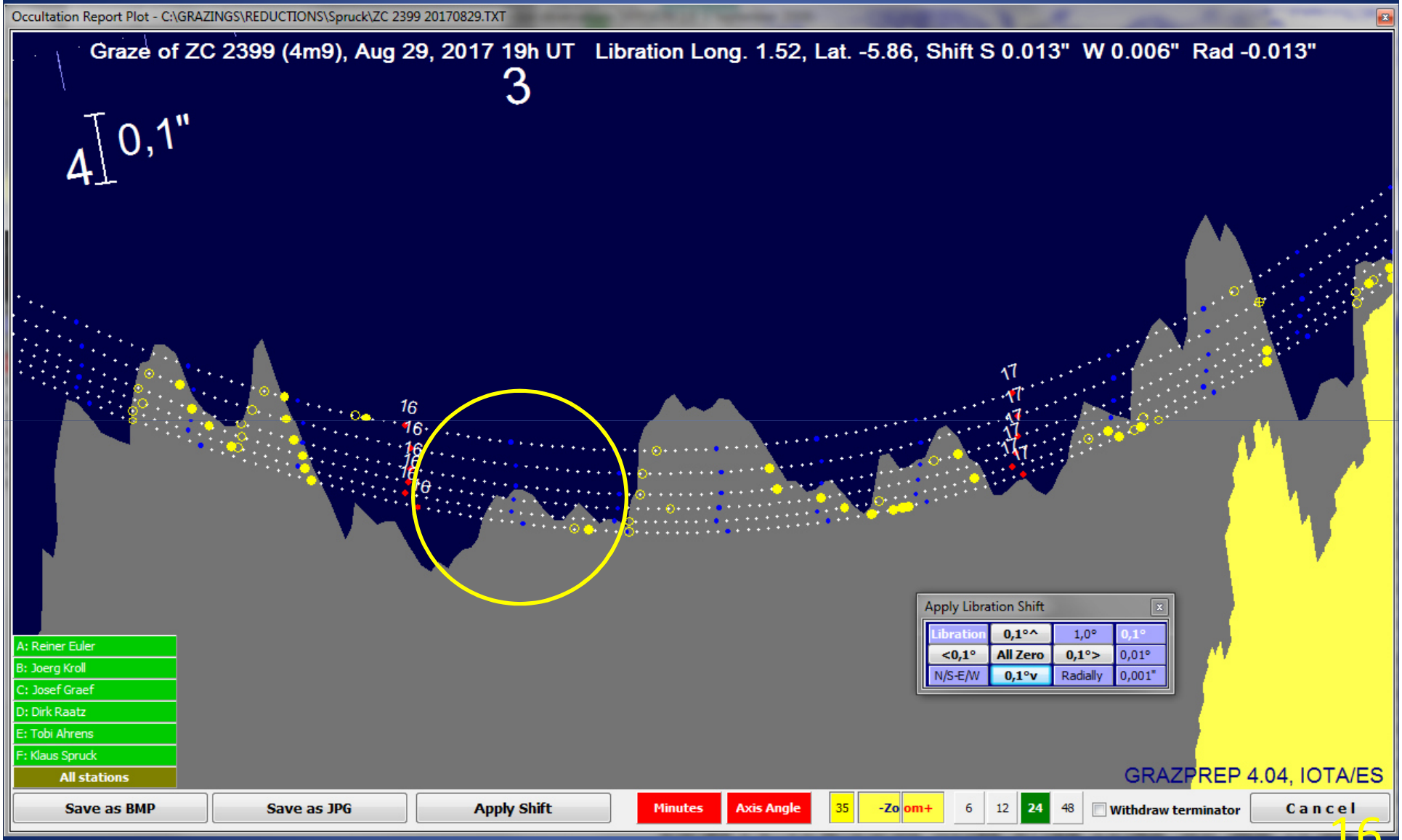

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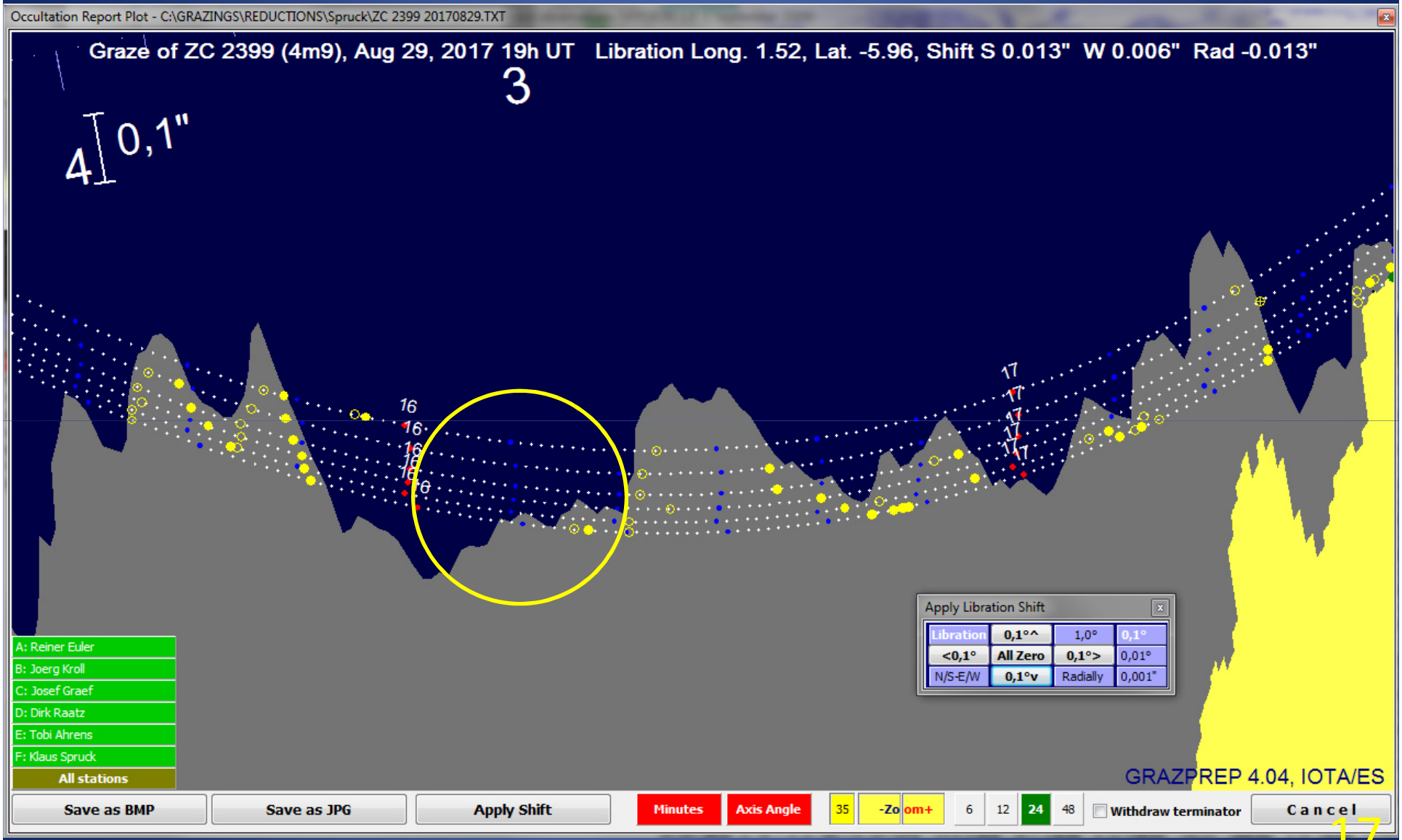

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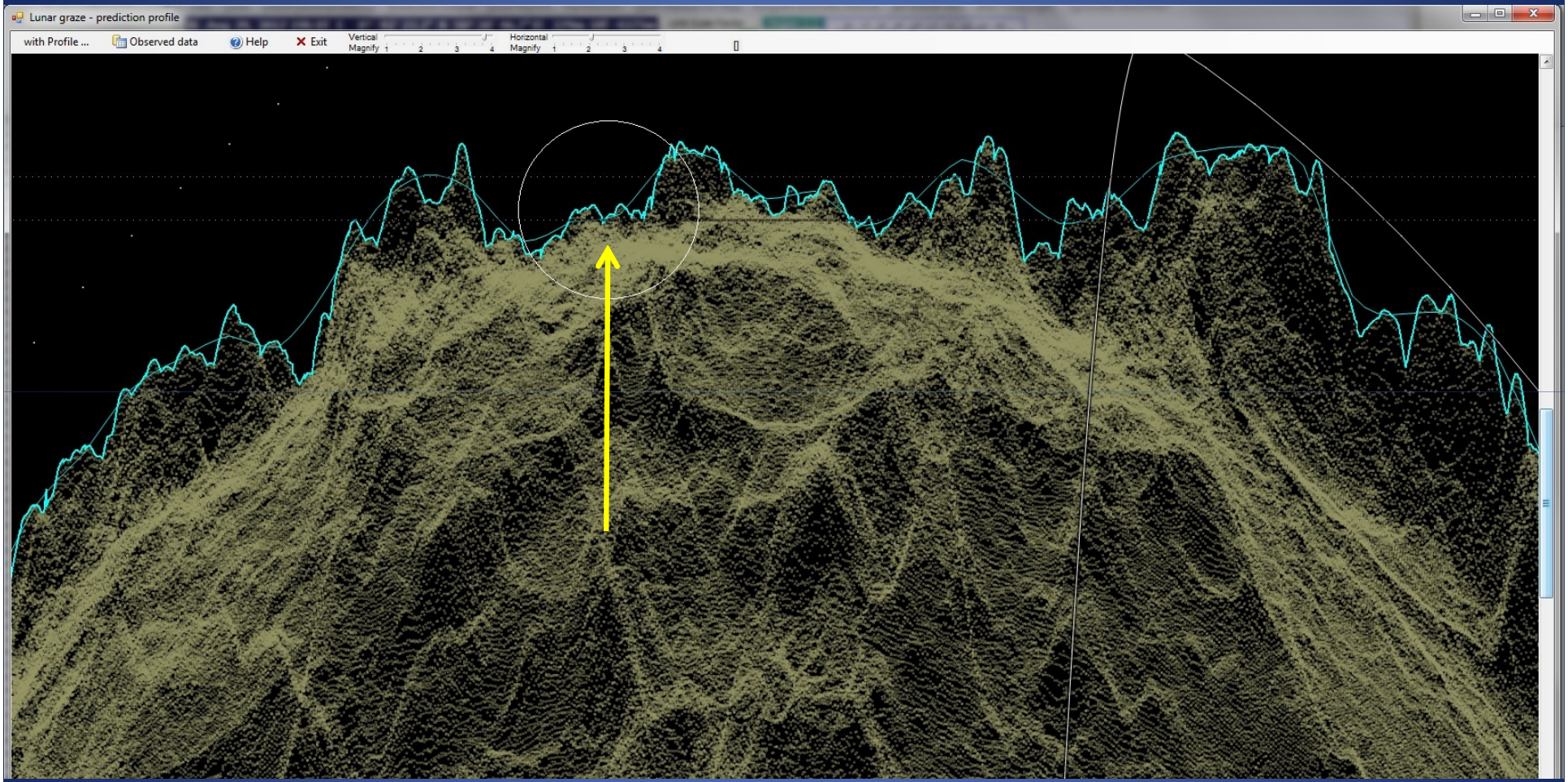

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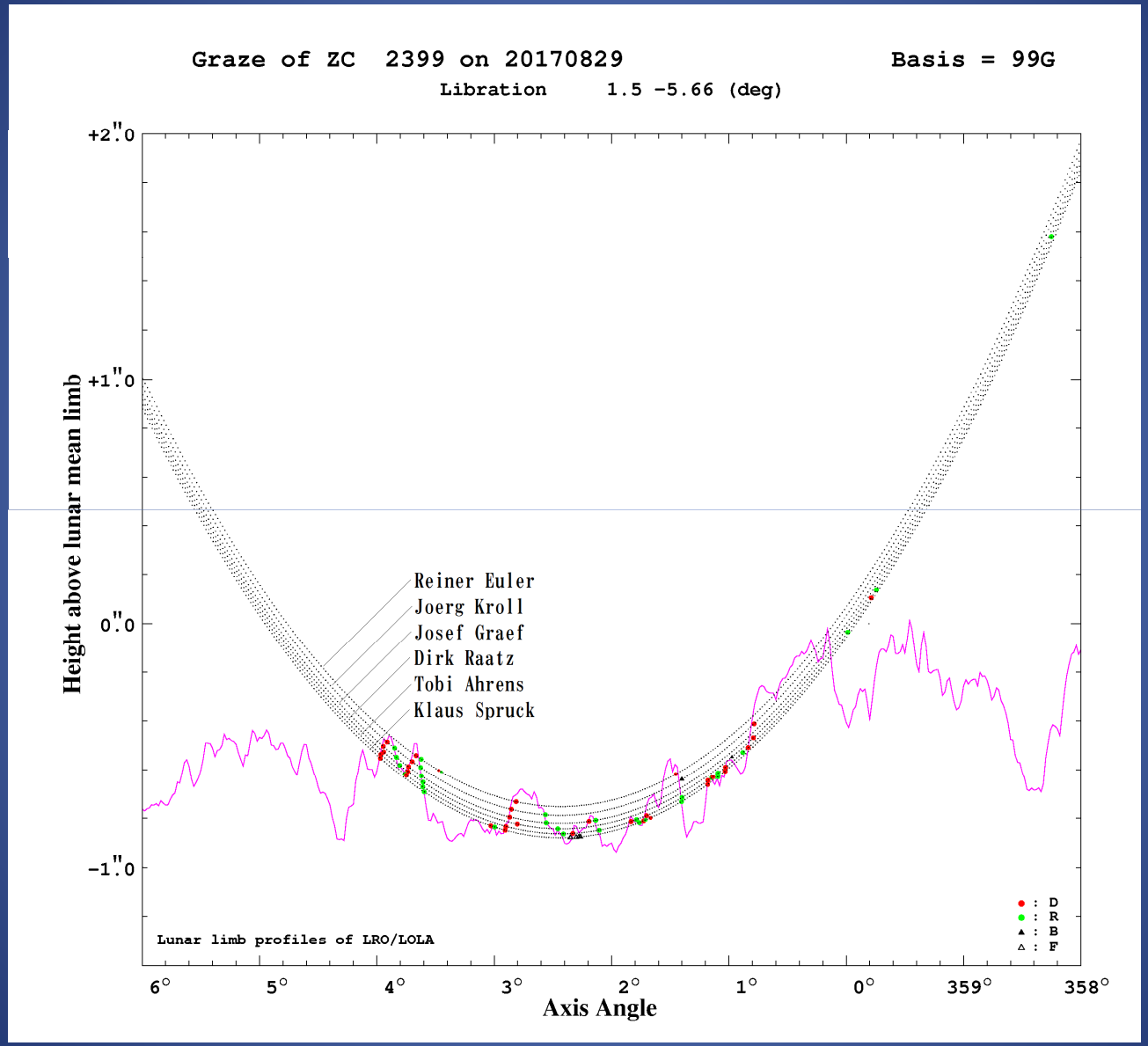

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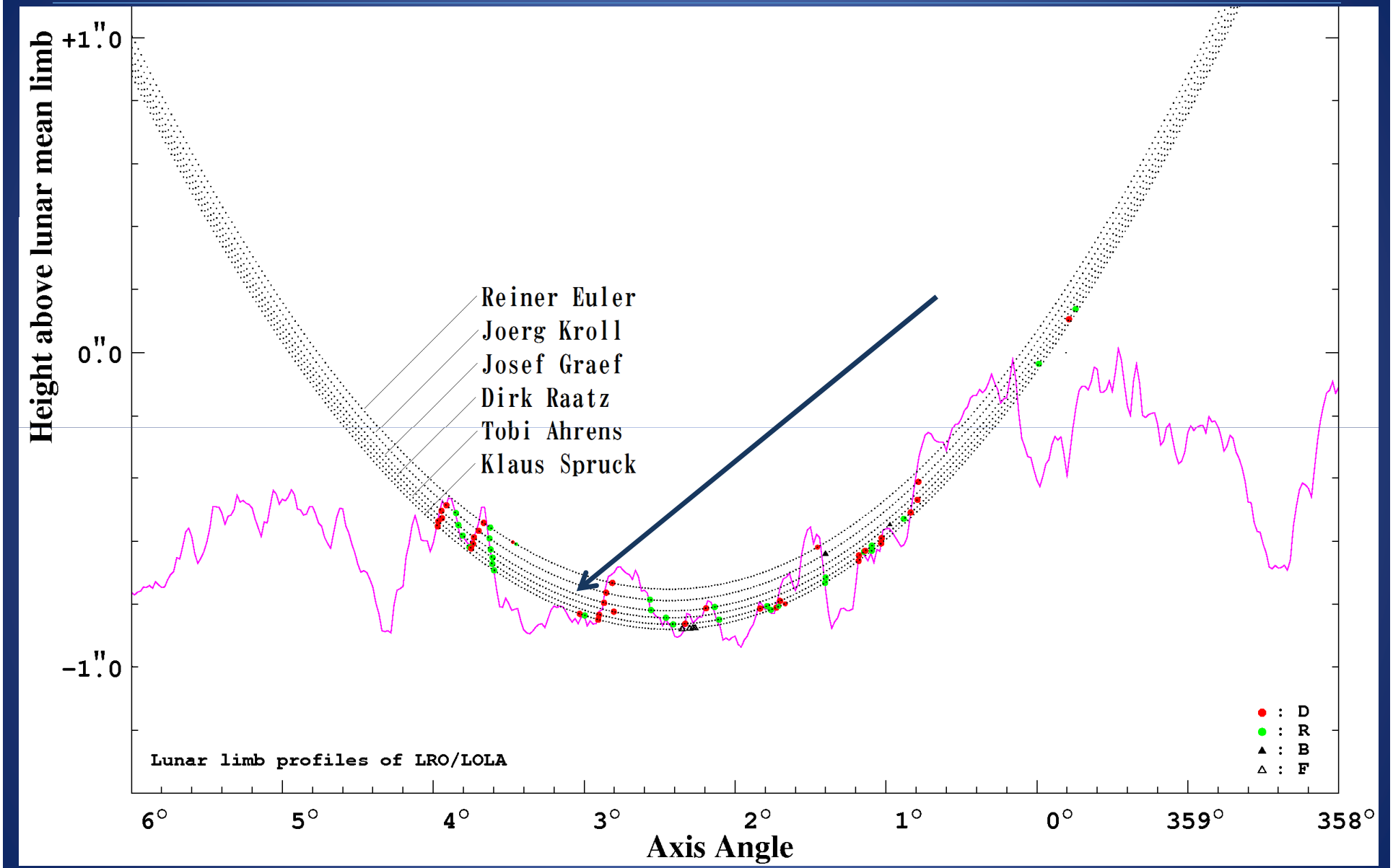

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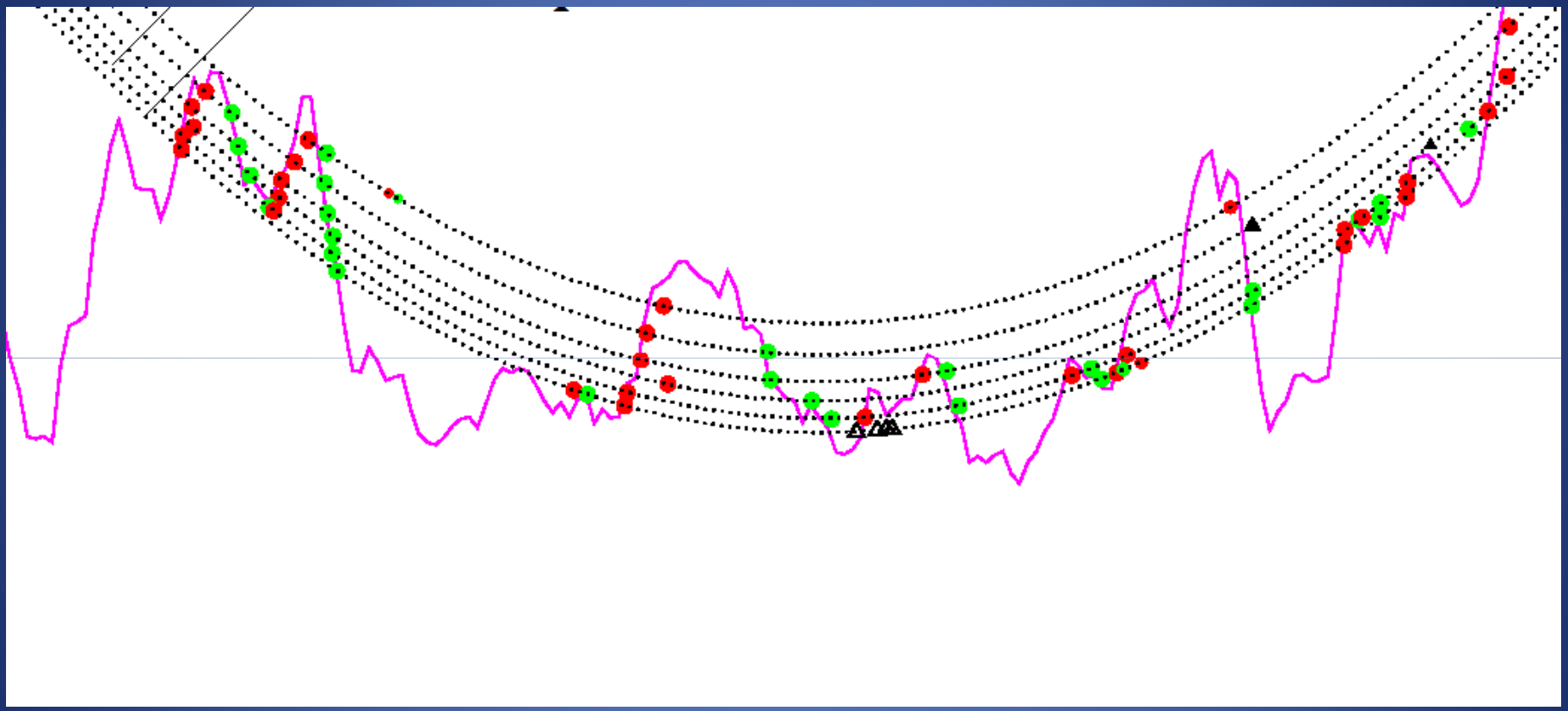


Video observations of fadings and blinks of the starlight reported (Giant star G8 II/III)

GRAZPREP: Features and Limitations

Conclusions and demands:

The precision of the prediction still lacks from:

- Uncertainties in the general stellar position
- Uncertainties about double- and multiple star systems
- Uncertainties in the lunar limb terrain

GRAZPREP: Features and Limitations

Demands concerning GRAZPREP:

Further improvements only after the final Gaia-release

Finding a standardized method to display the lunar profile at different libration angles

GRAZPREP: Features and Limitations

Outlook for GRAZPREP:

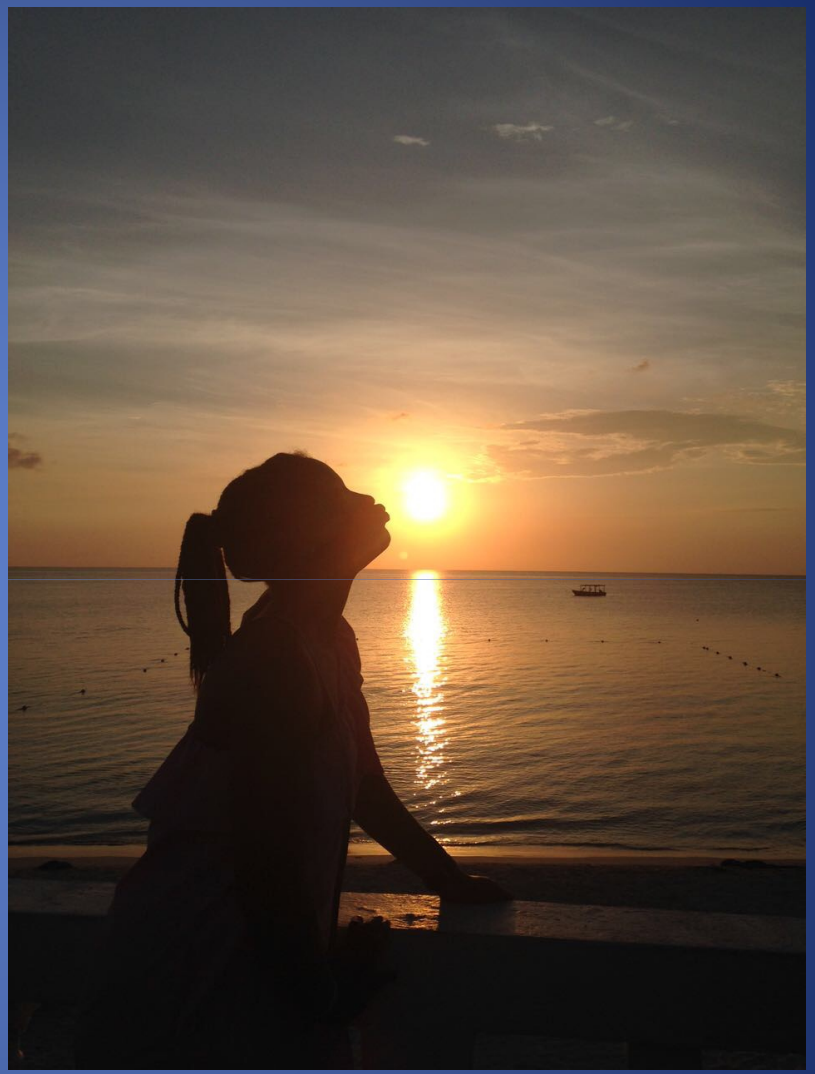
Display of apparent stellar paths of double and multiple systems

Improvement of the lunar profile display for reductions

Inclusion of total occultation predictions (Planetarium function)

GRAZPREP: Features and Limitations

Thanks for listening !



Only an occulted star is a lucky star!