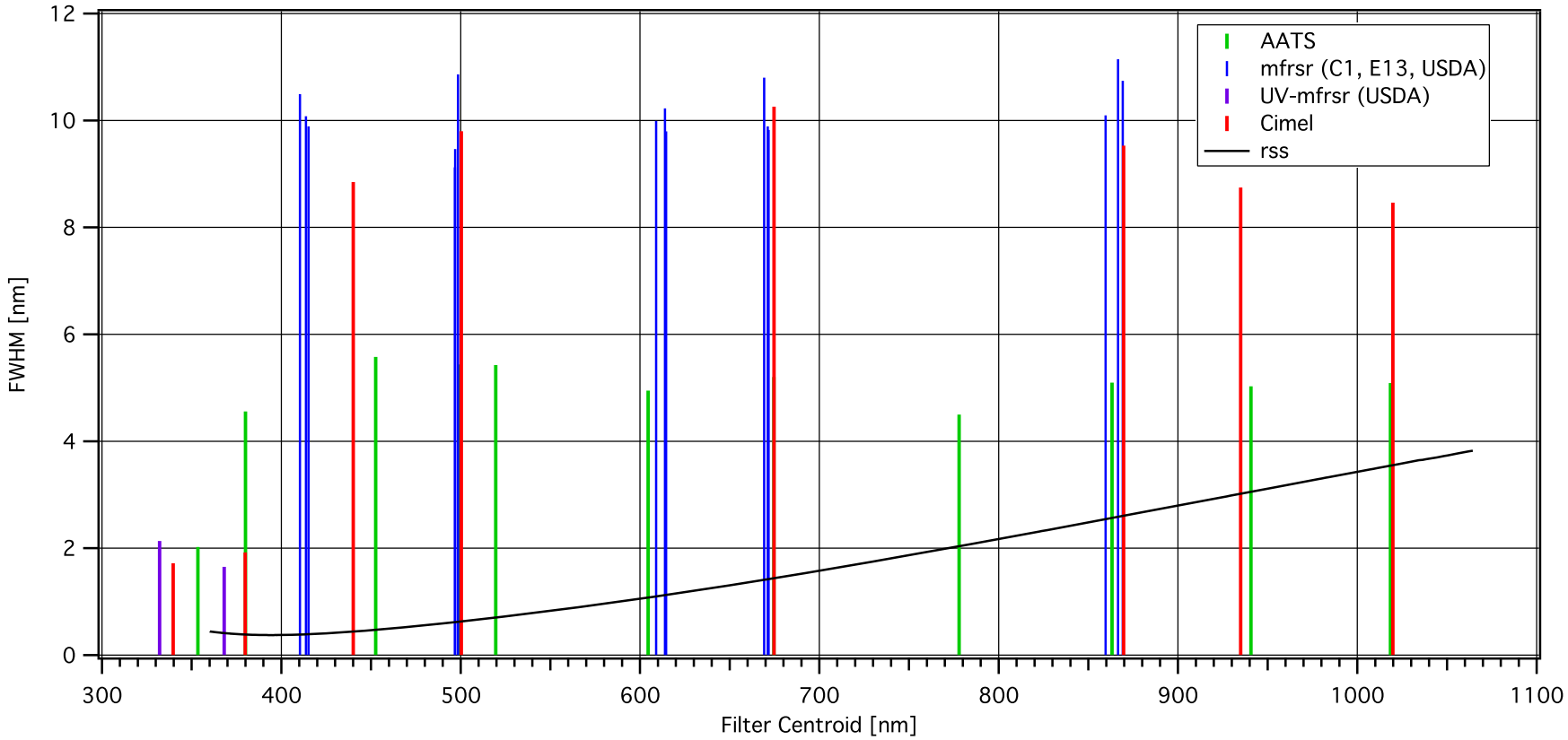
Comparison of Aerosol Optical Depth During ALIVE 2005

P. Kiedron, C. Flynn, R. Ferrare, B. Schmid
J. Slusser, J. Michalsky

Participating instruments

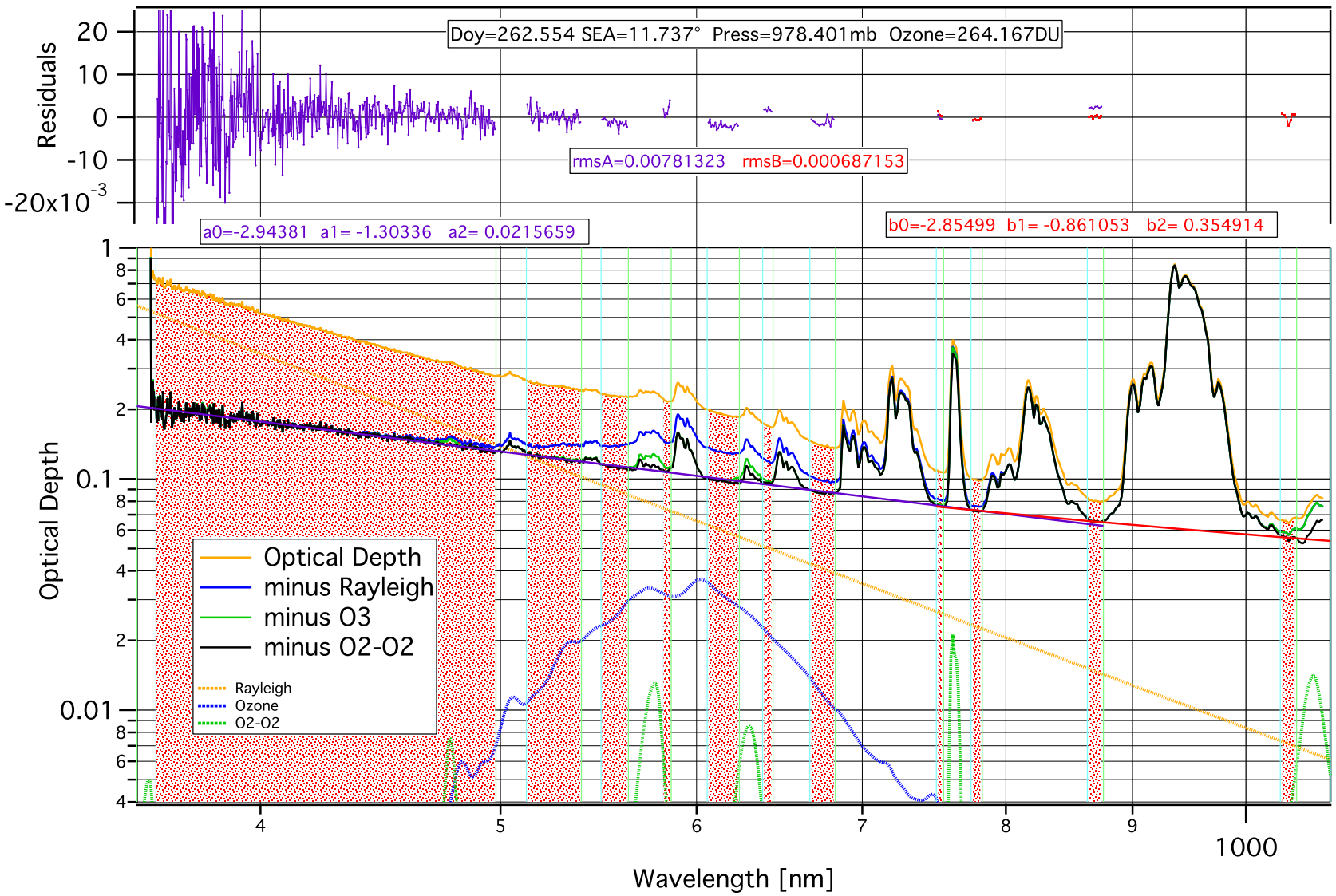


Raman Lidar 355nm

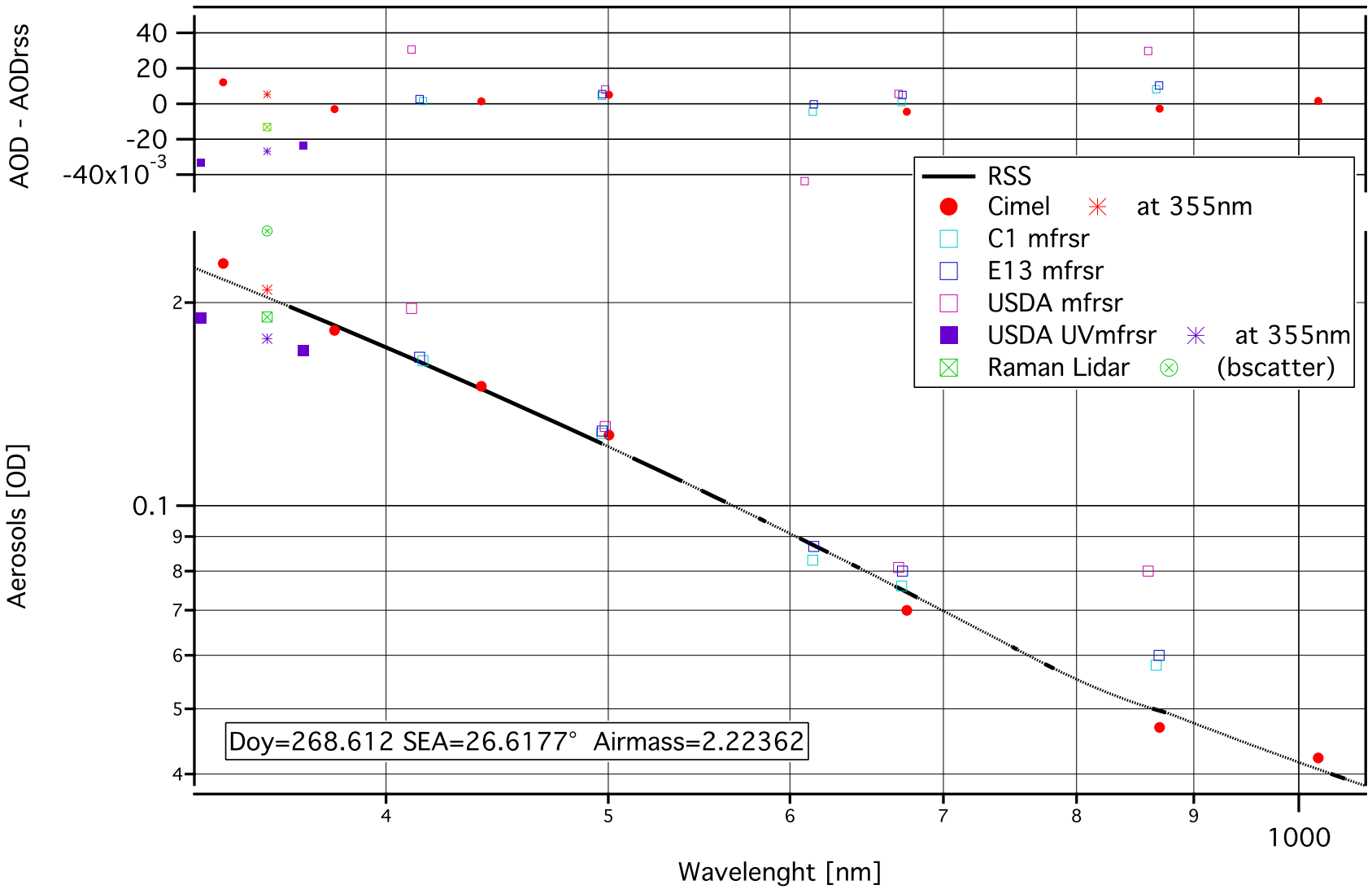
Data availability in September 2005

Instrument	Data Availability	Sampling Rate
Cimel	Sept 15 -30	1/15min
RSS	Sept 1 - 30	1/min
MFRSR E13	Sept 1 - 30	1/20sec
MFRSR C1	Sept 1 - 30	1/20sec
MFRSR USDA	Sept 1 - 30	1/3min
UV-MFRSR USDA	Sept 1 - 30	1/3min
AATS (airborne)	Sept 13, 16, 17	3 per day
RAMAN LIDAR	Sept 1 - 30	1/10min
NIMFR	Not available	1/20sec

AOD retrieval with RSS



Example of AOD from Seven Instruments



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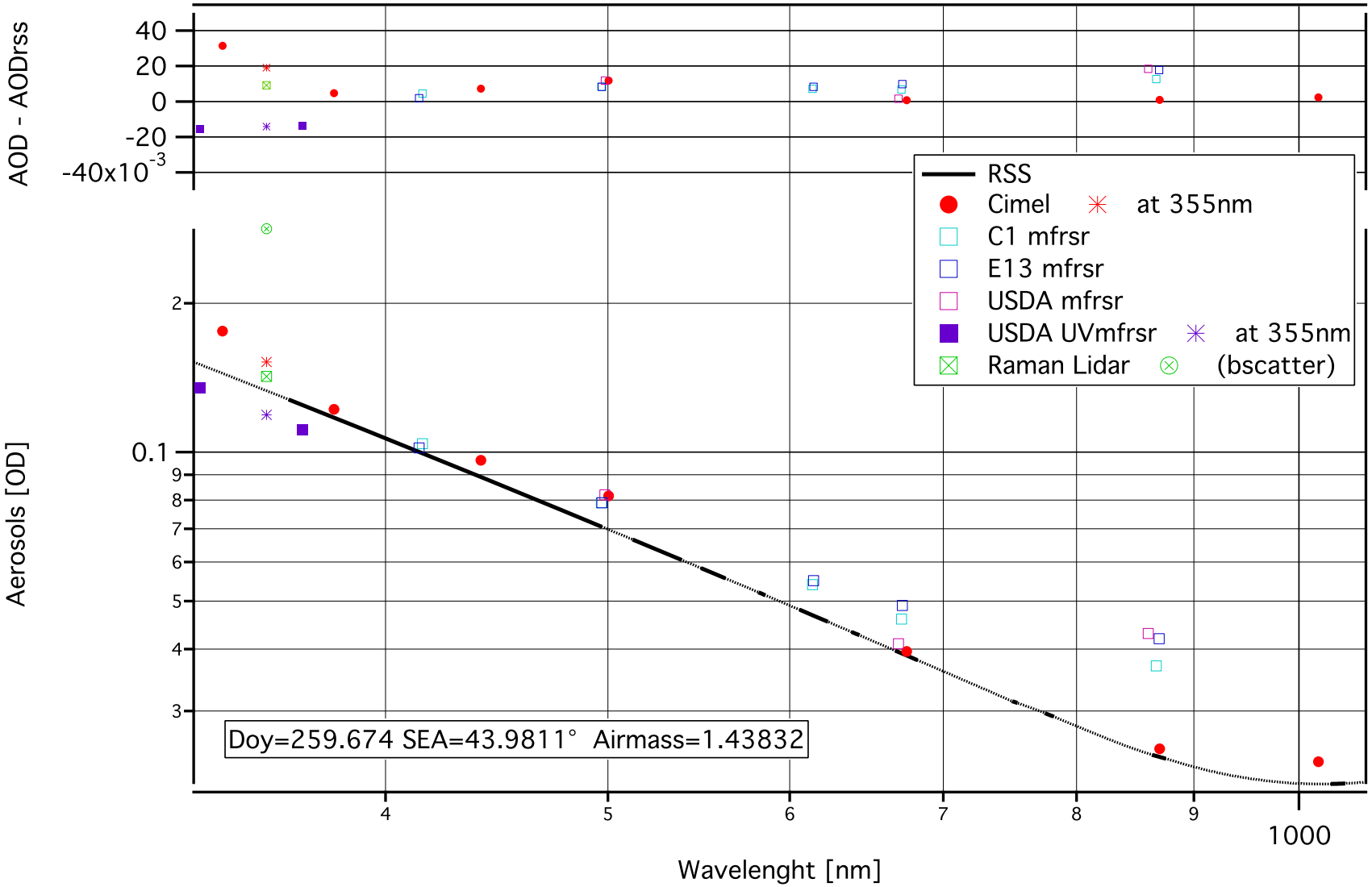

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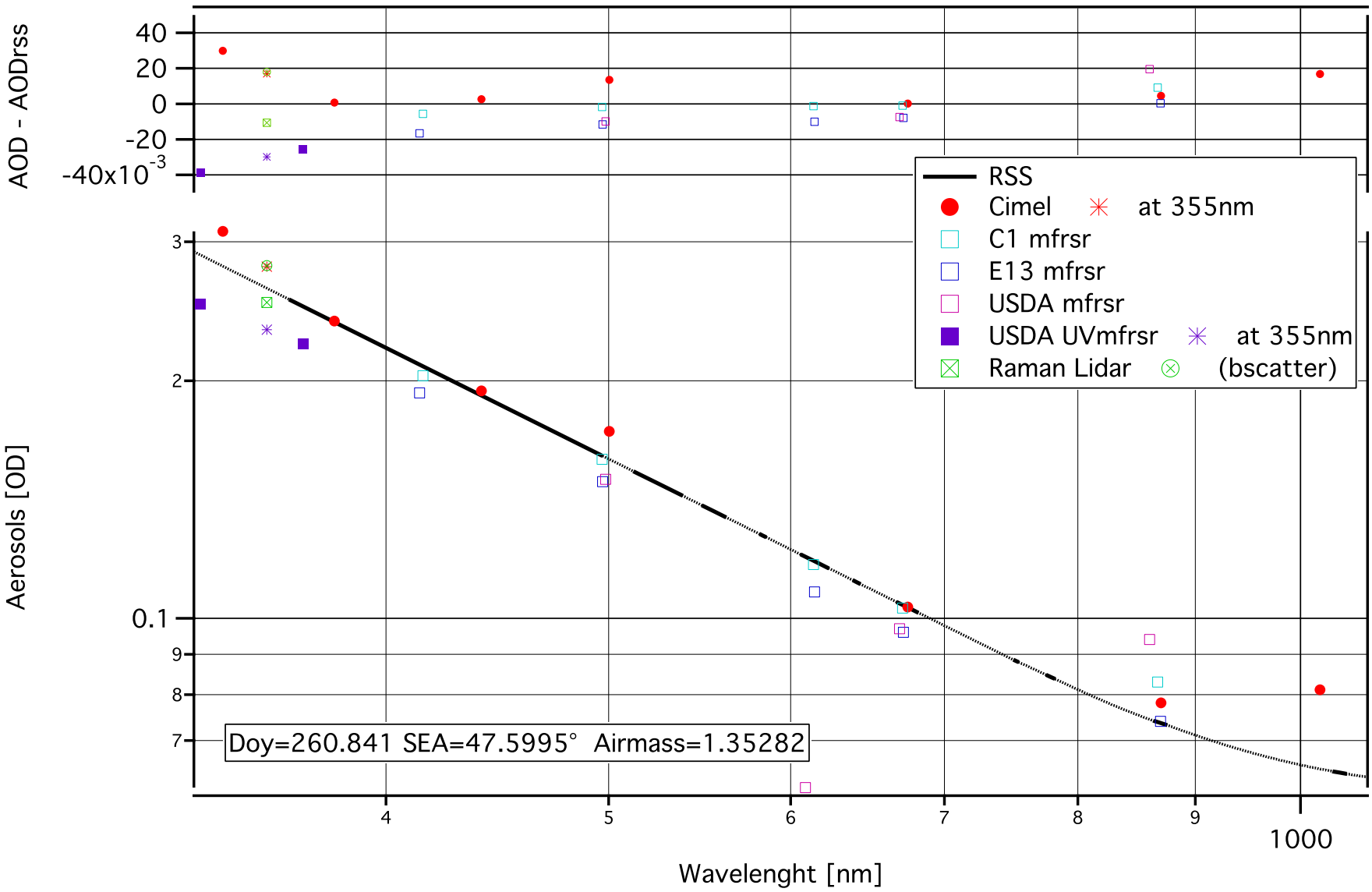

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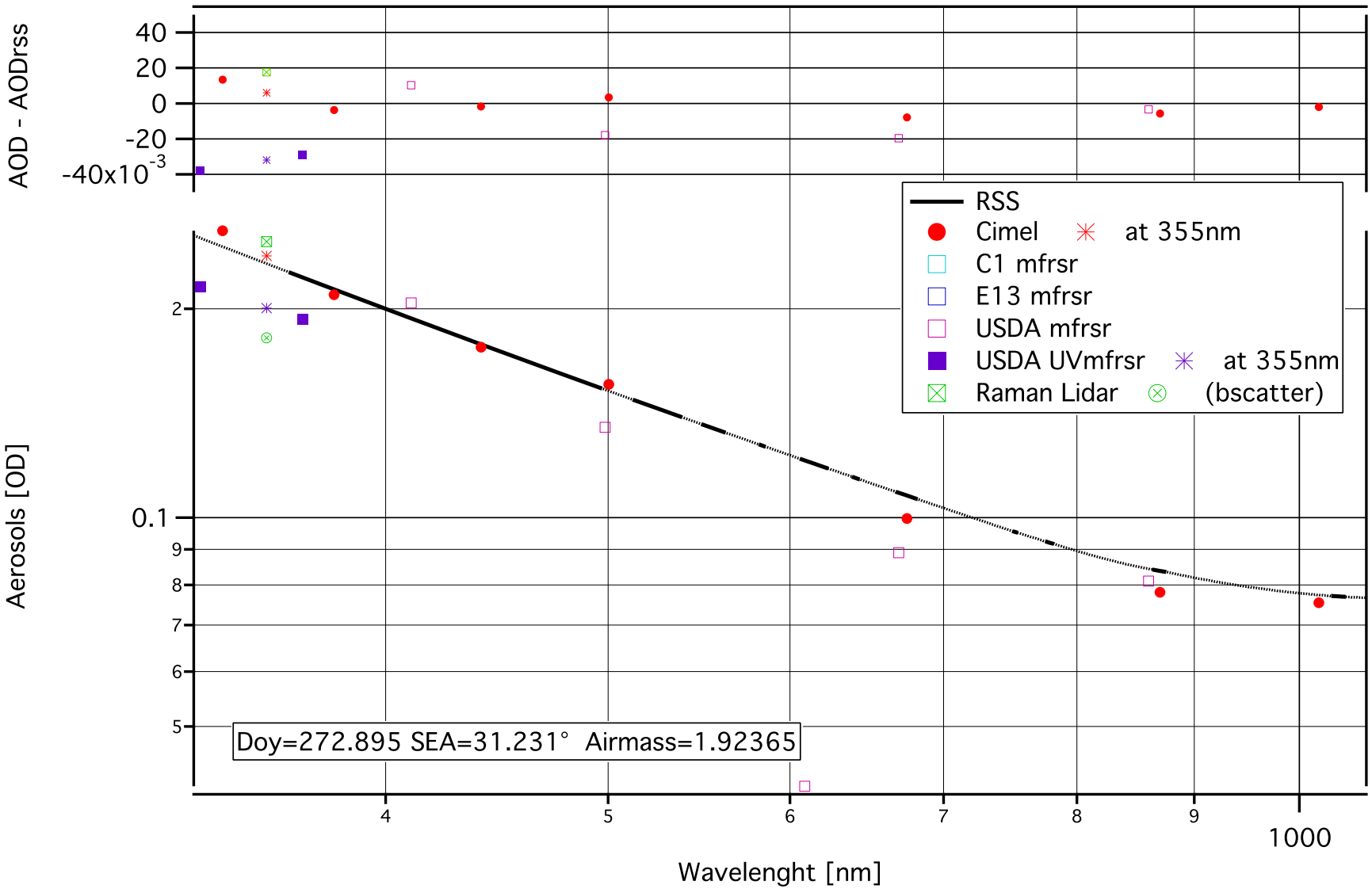

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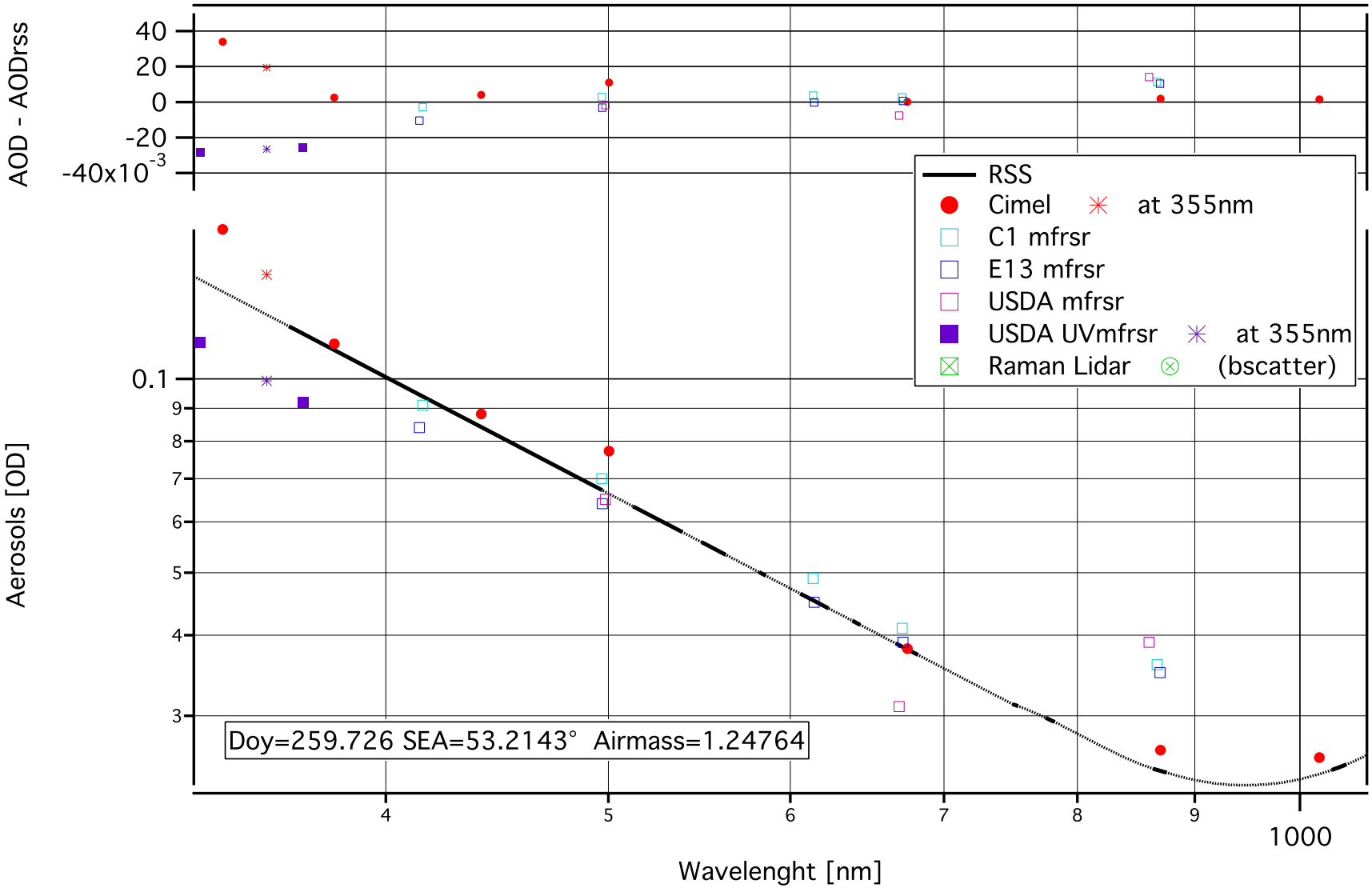

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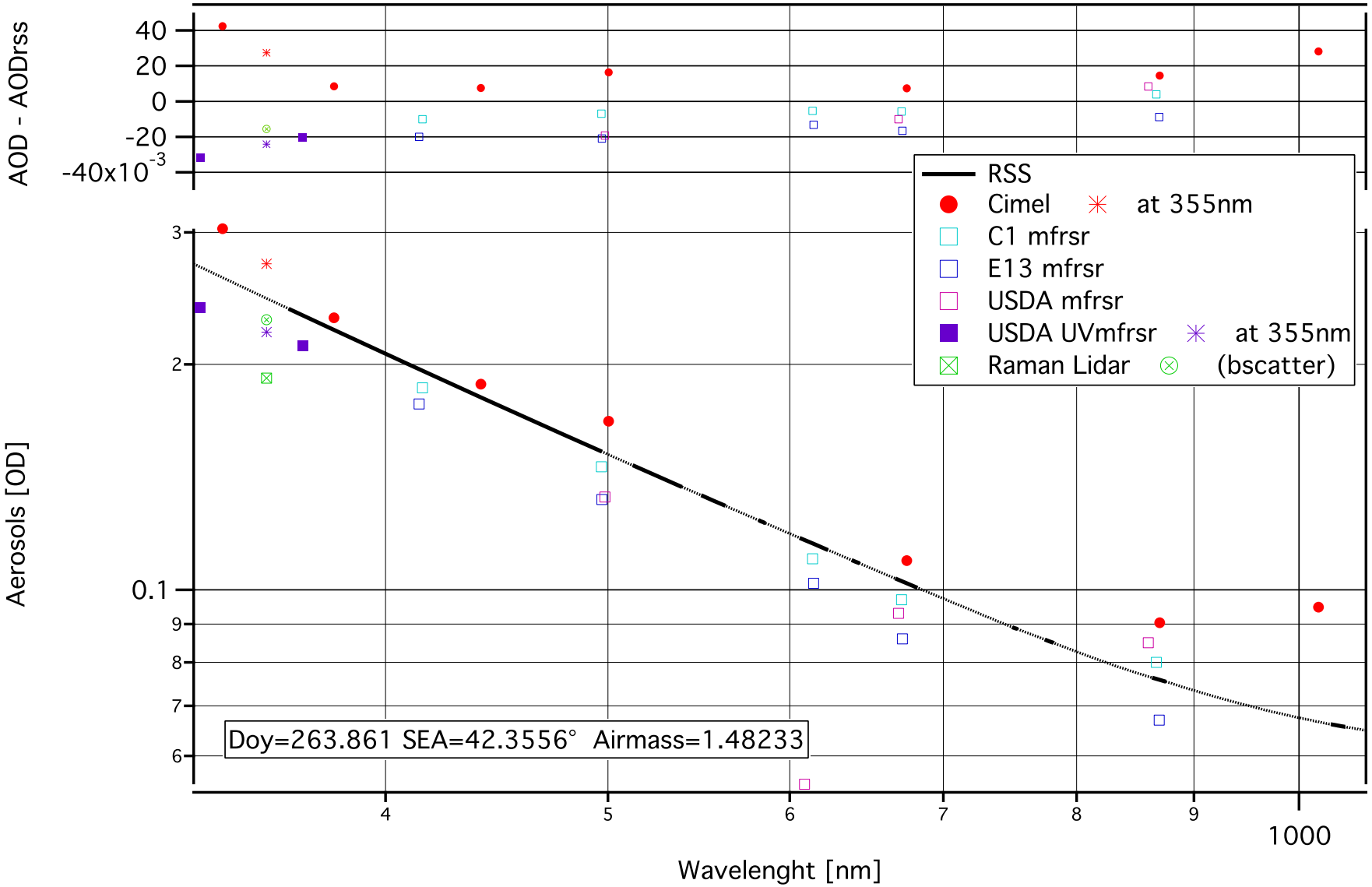

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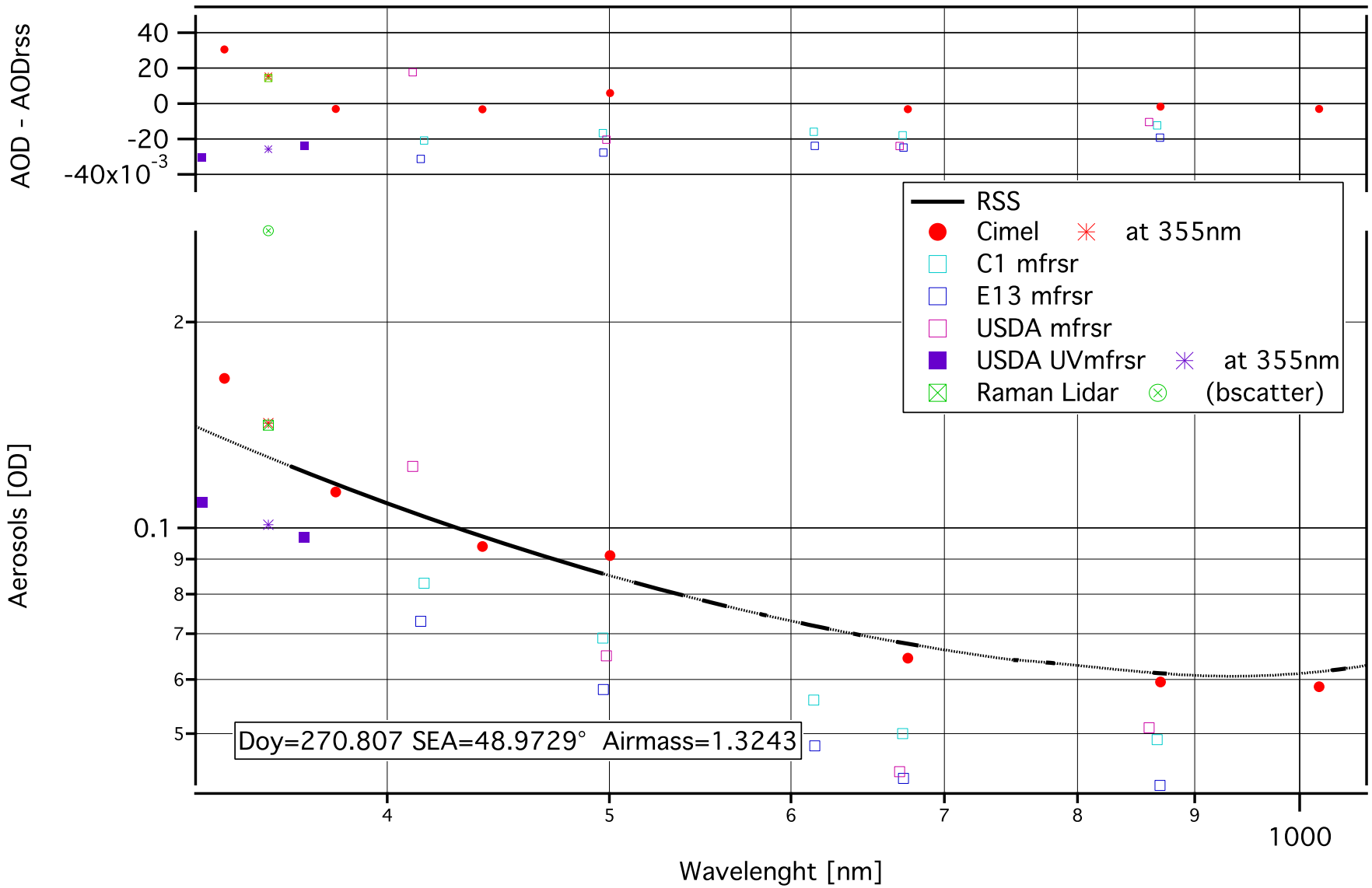

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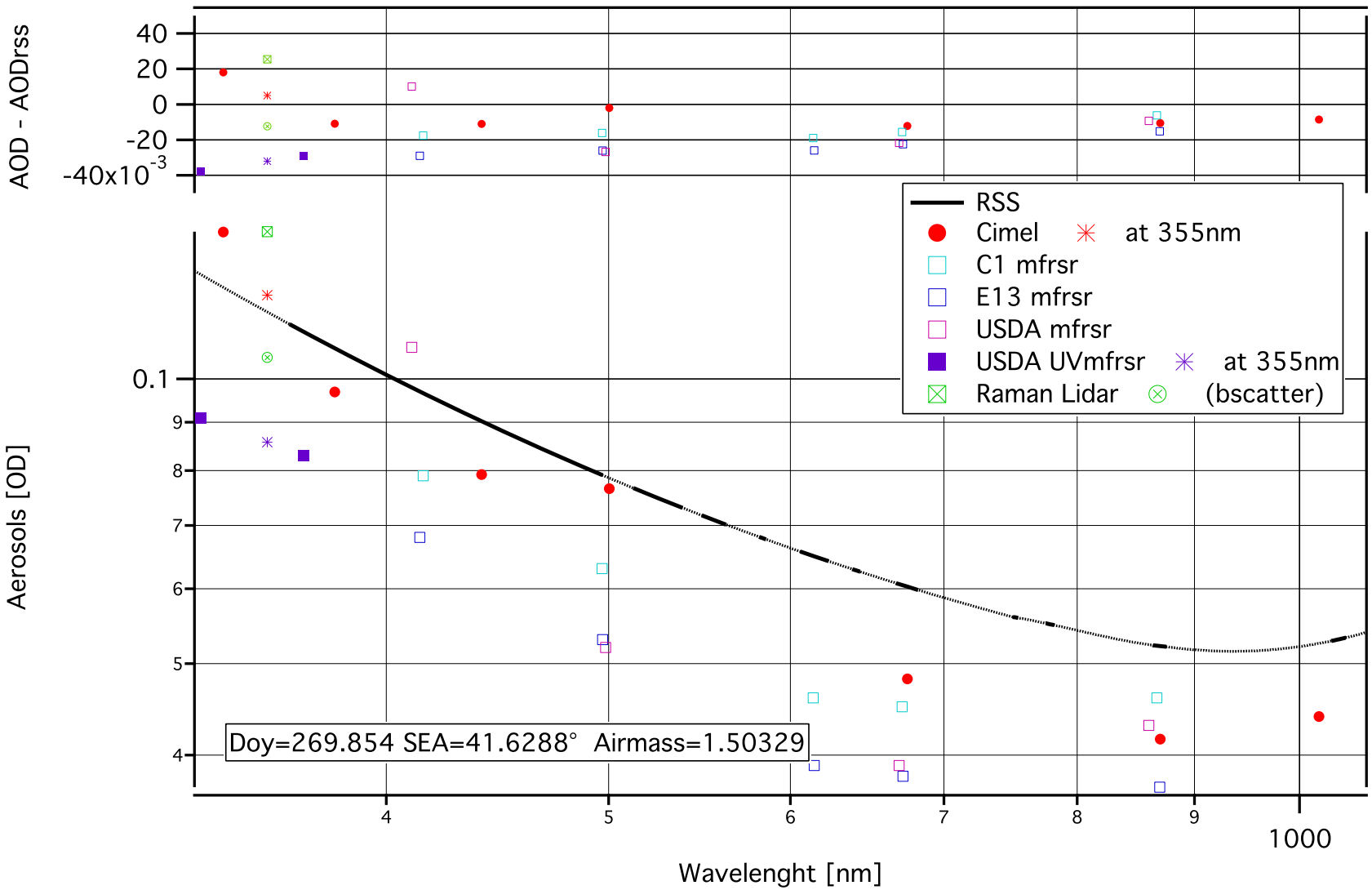

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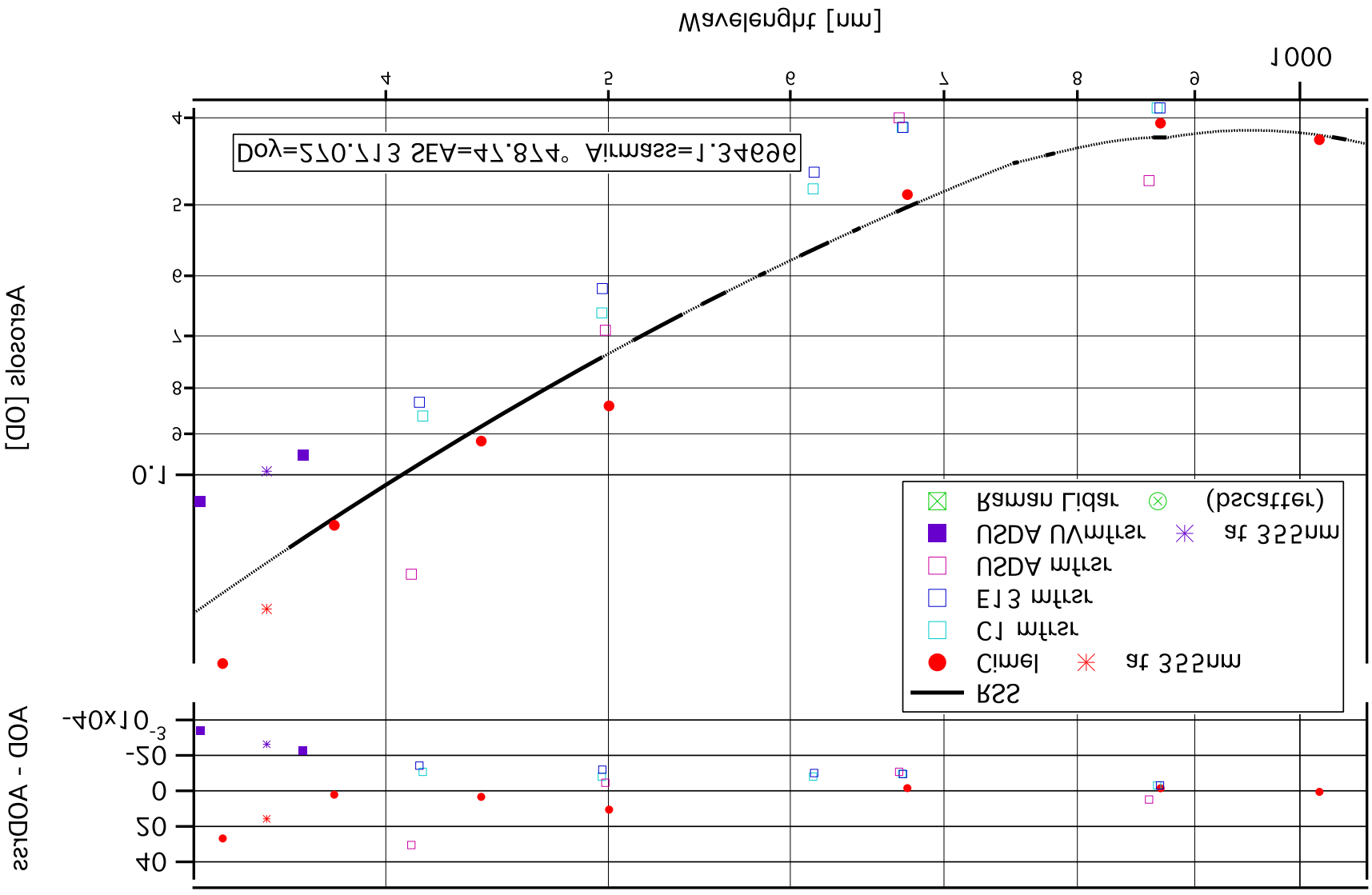

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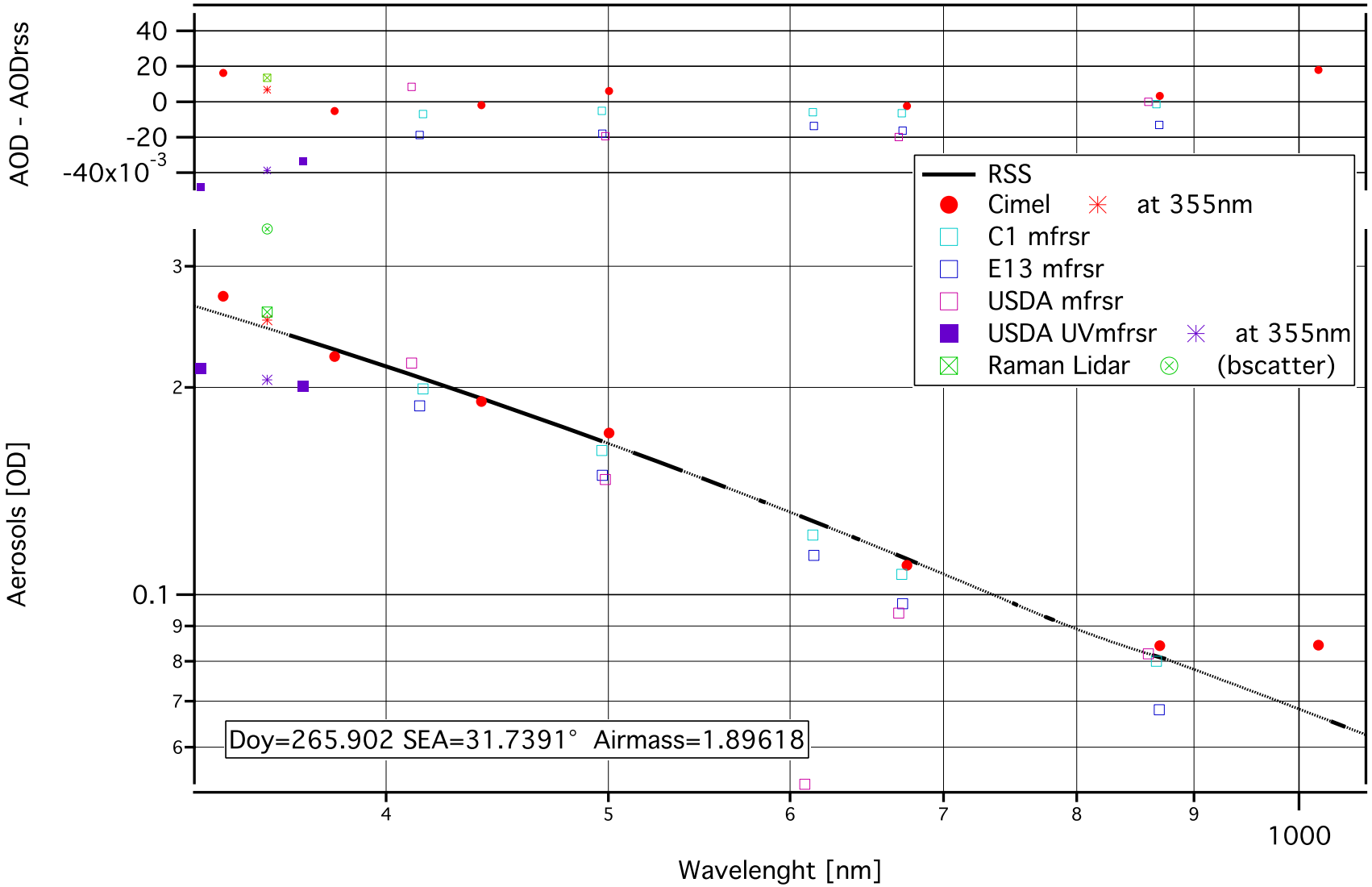

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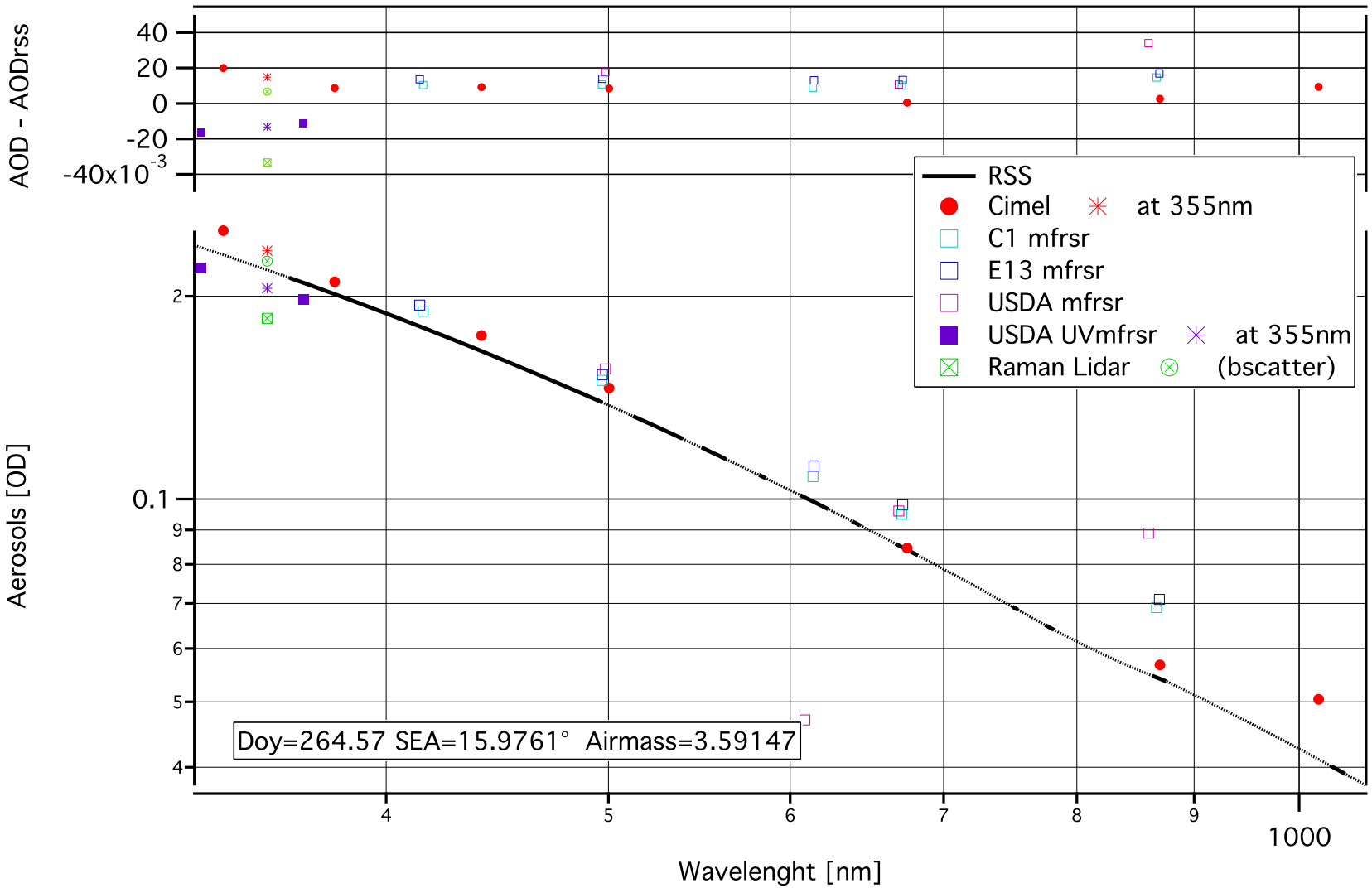

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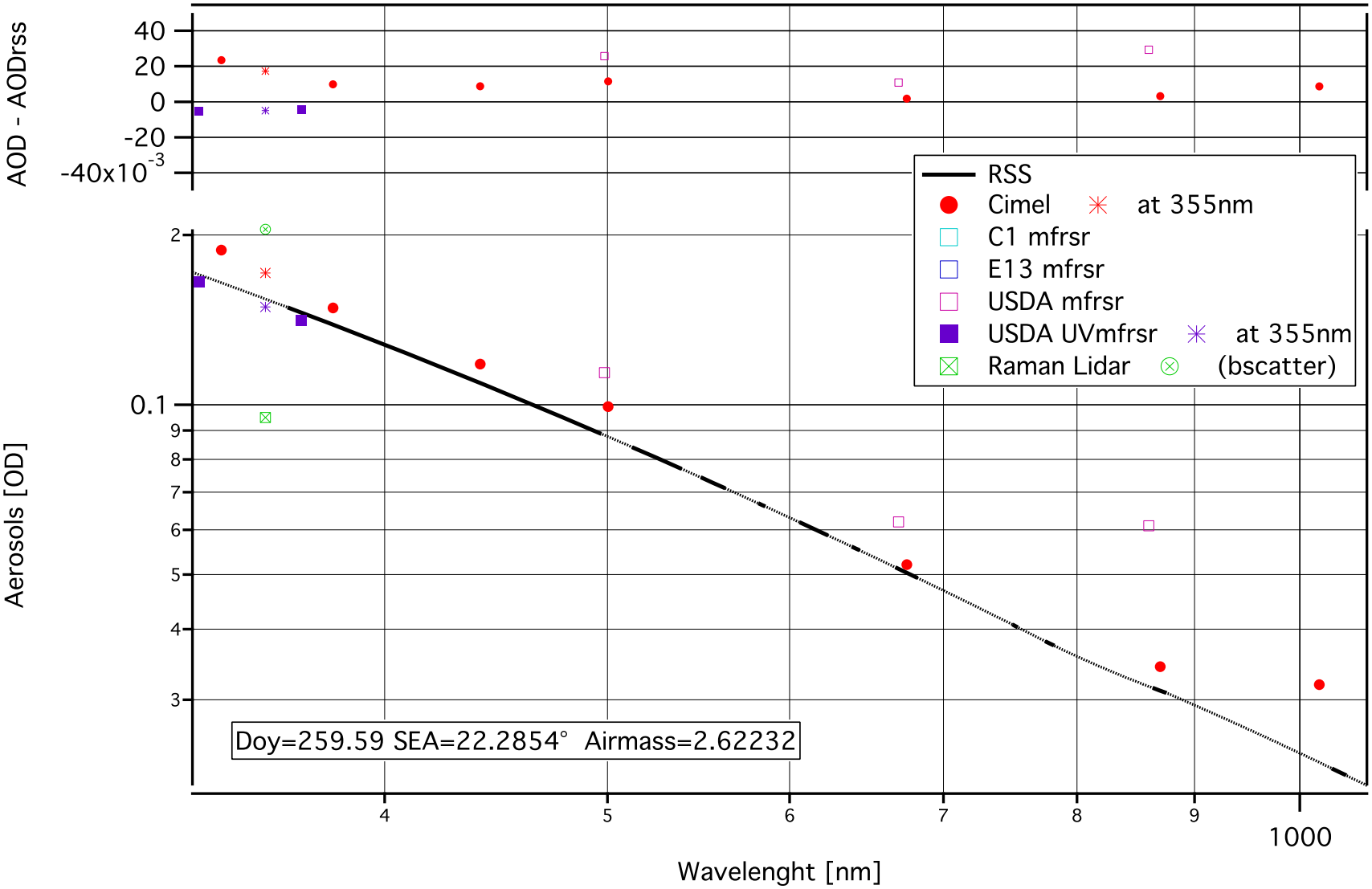

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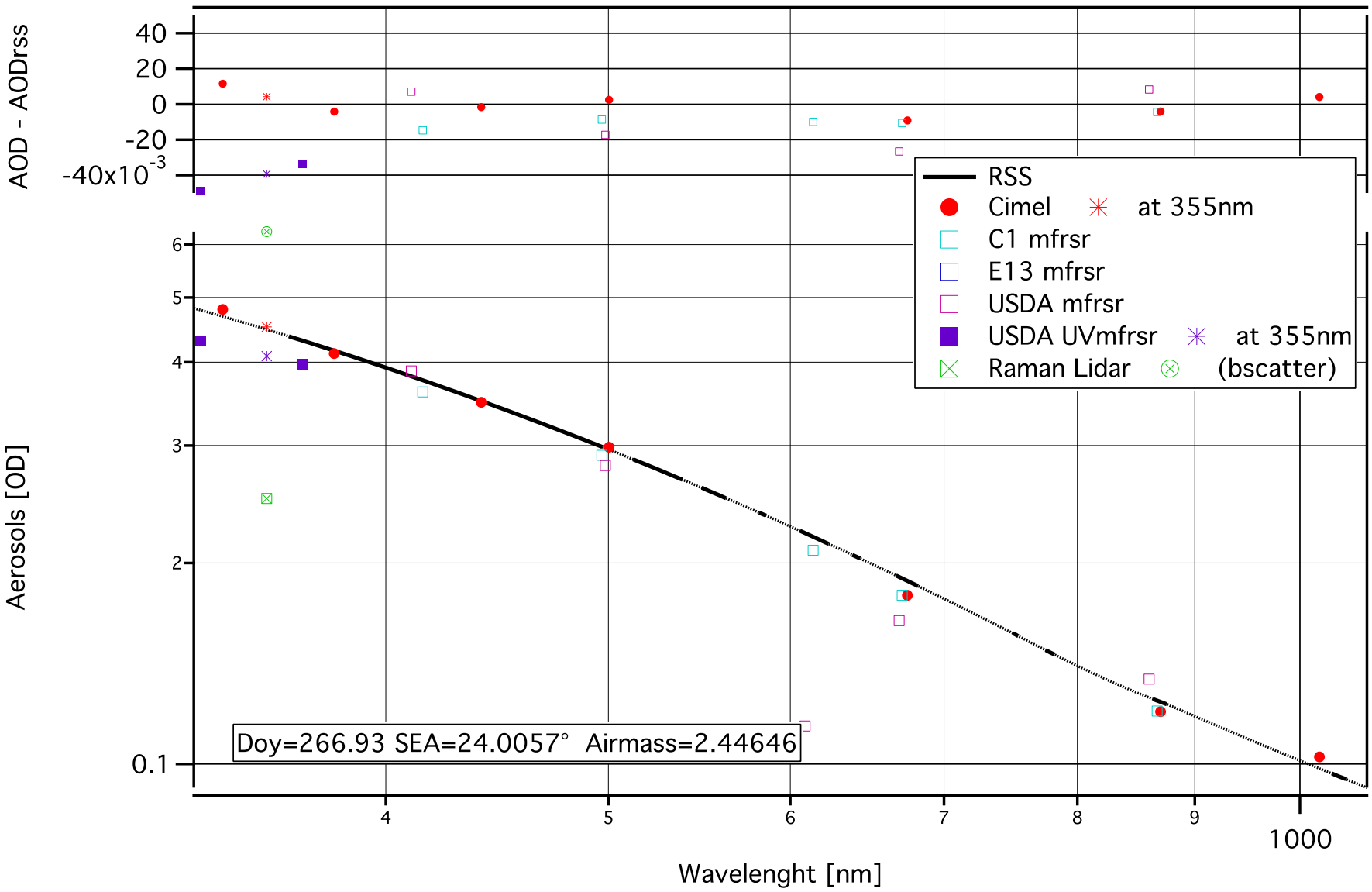

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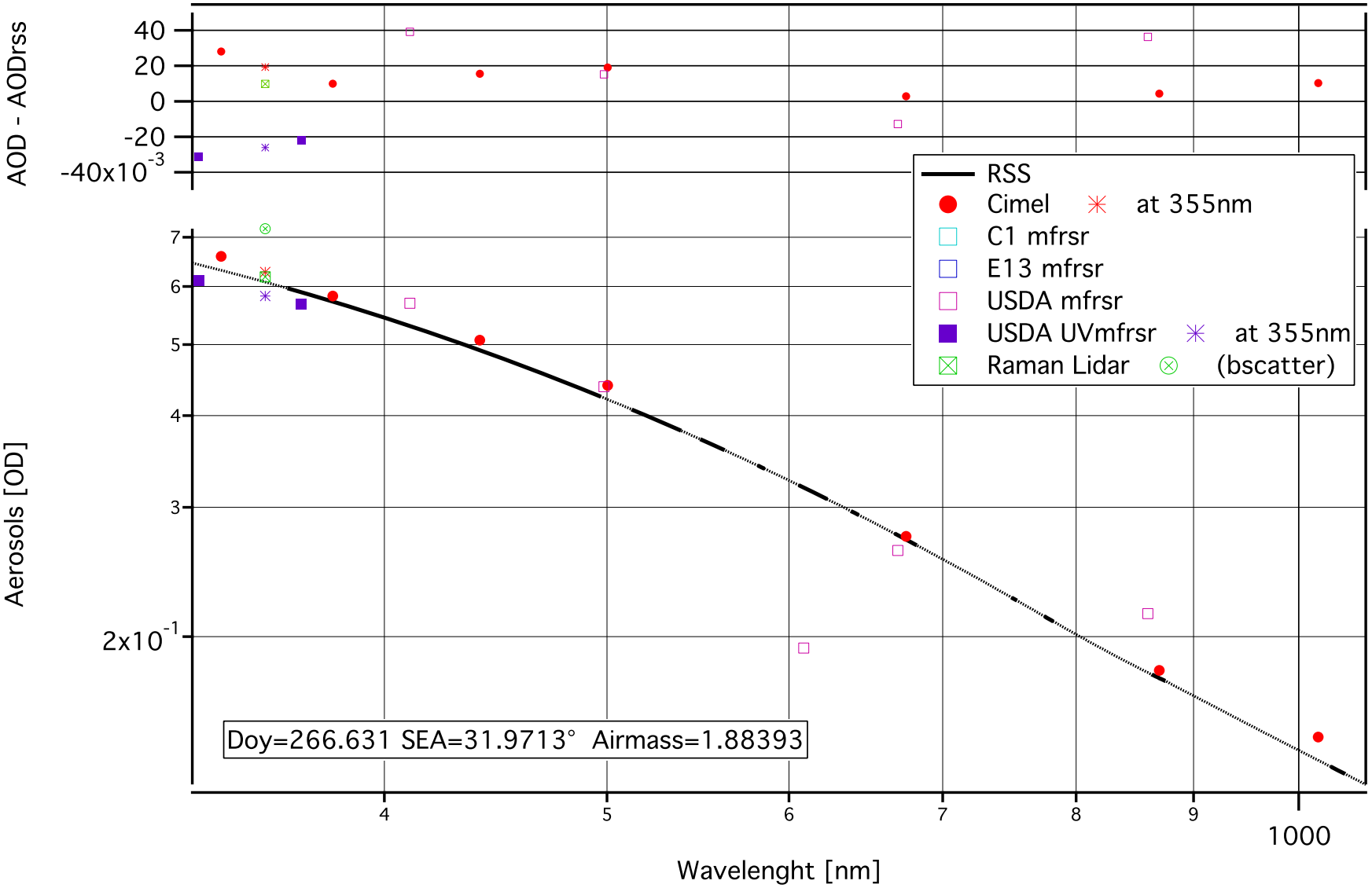

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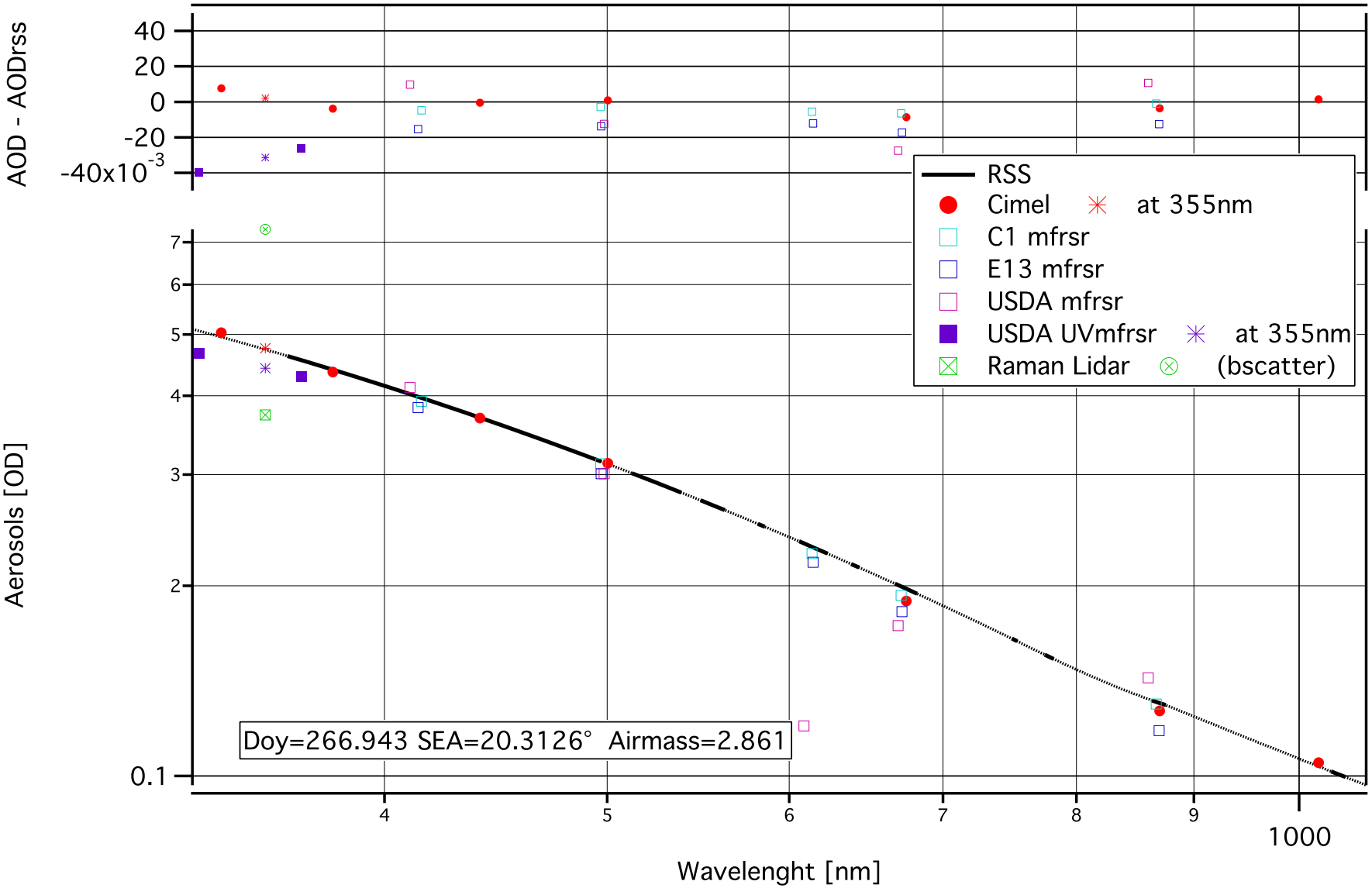
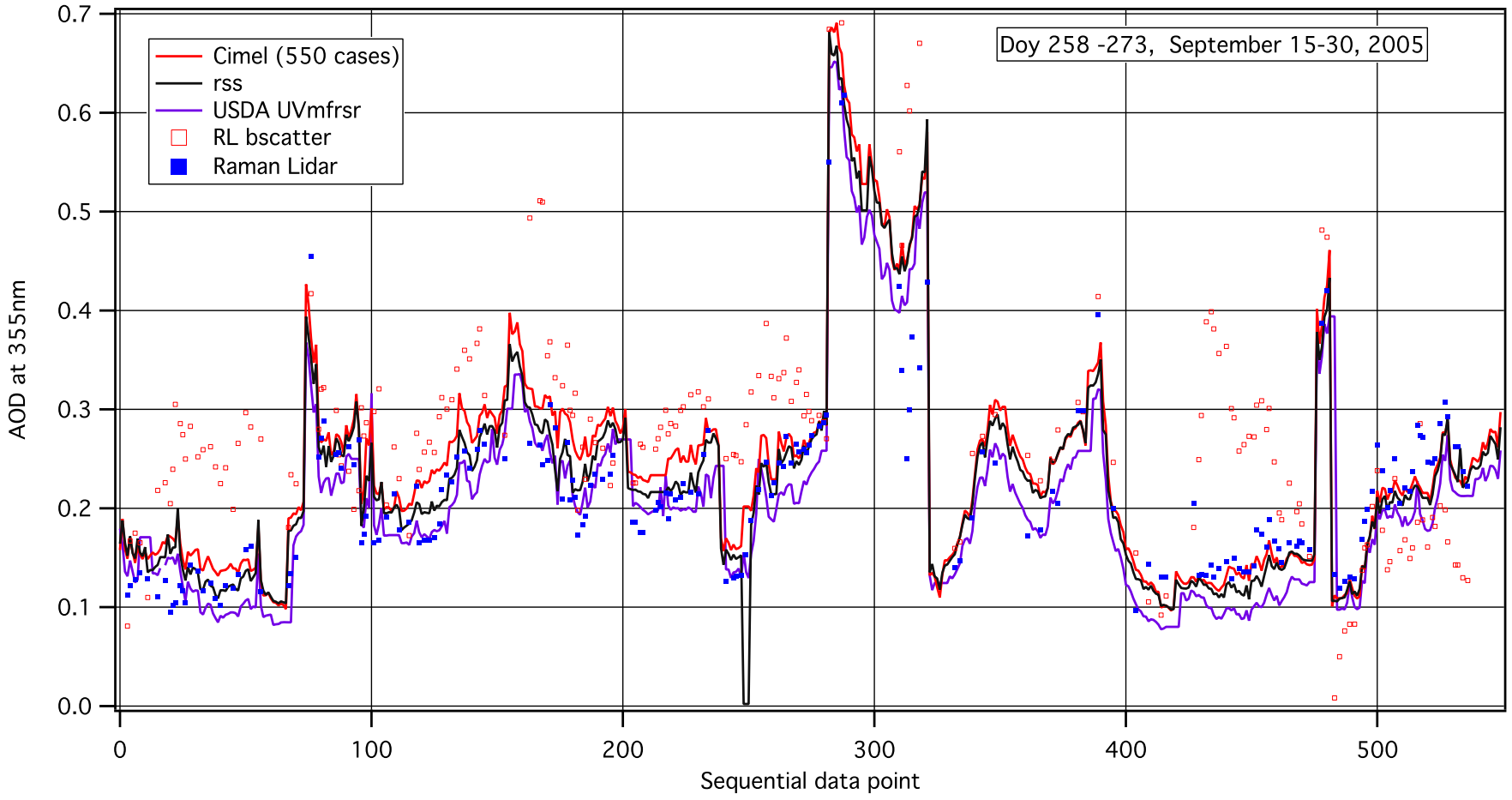
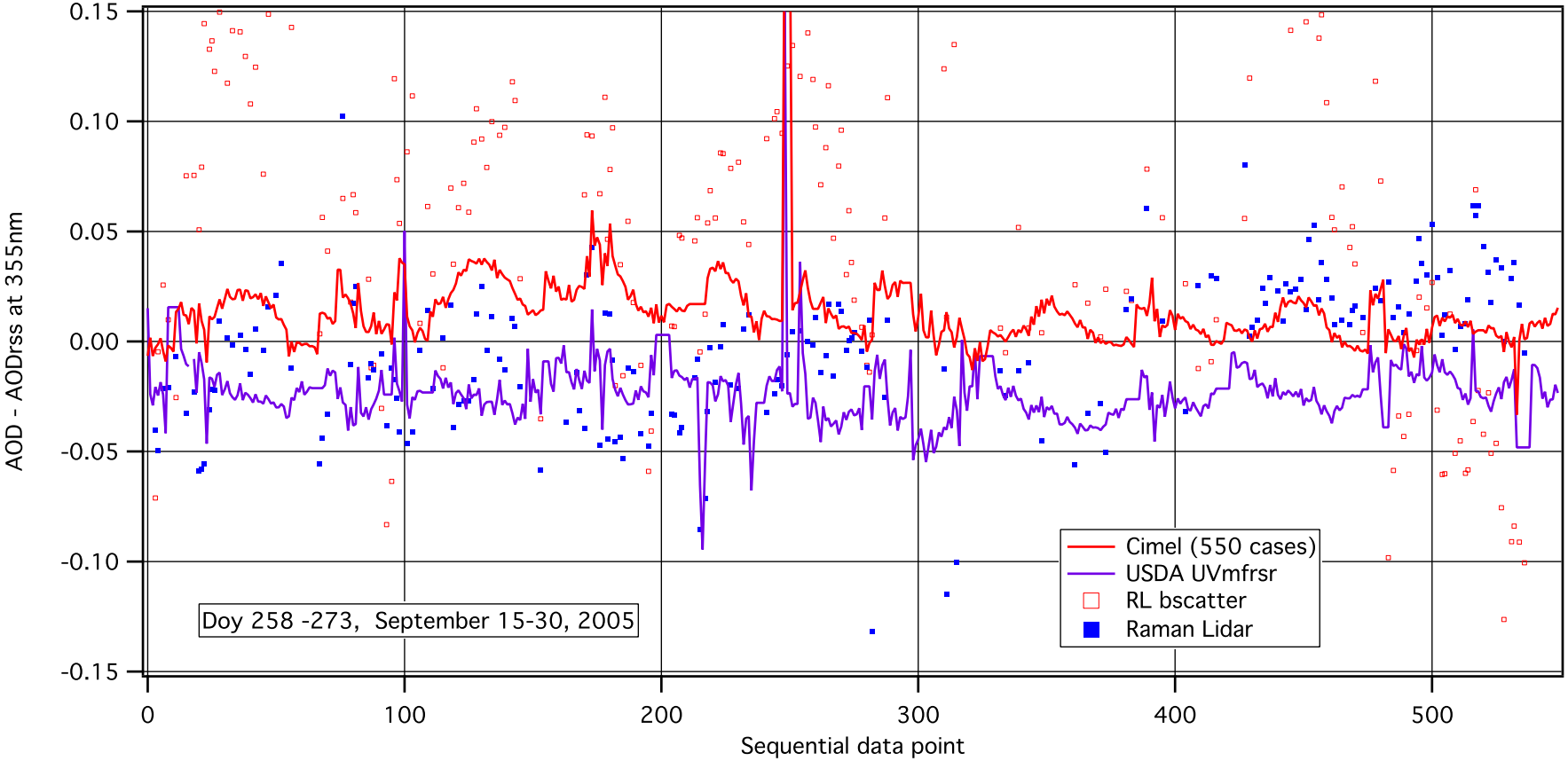
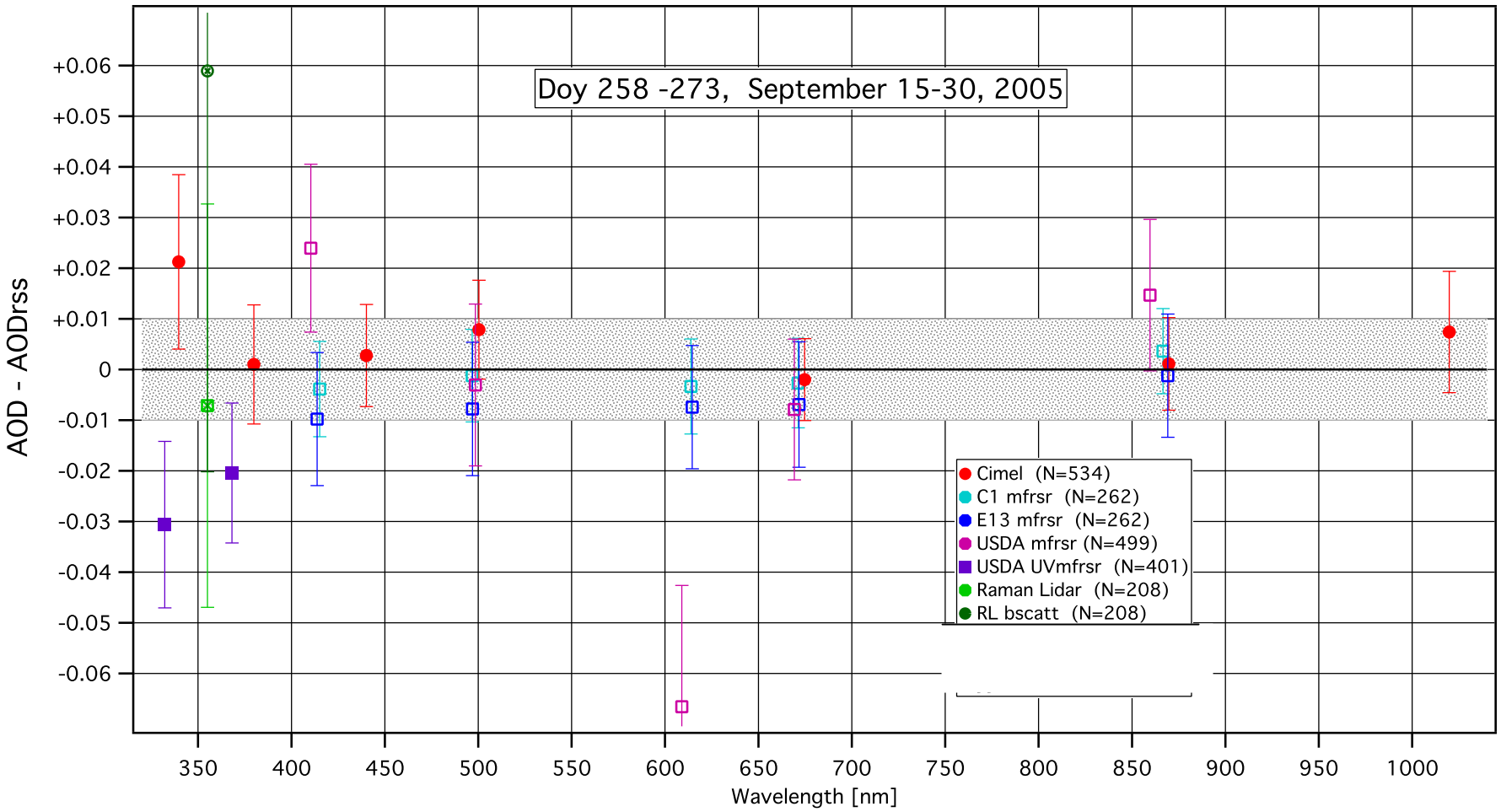


AOD at 355nm from RL, Cimel, UV-MFRSR and RSS



AOD at 355nm Compared with RSS



Statistical Summary of AOD Comparison