

Systematic detection of local CH4 anomalies by combining satellite measurements with high-resolution forecasts

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Where does the information from inventories not match the information from the satellite observations?





Outlier classification

Atmosphere Monitoring







Selection on filtered First Guess Departures

Routine anomaly maps

42

End of 30 day window date: 2020-07-25



False detections examples due to retrieval biases from AOT and Albedo

Atmosphere Monitoring

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Aerosol Optical Thickness



Albedo

105°8

110°E

115°E

120°E

80°N

75°N

70°N

65°N

90°E

95°E

100°E

2019-07-15

Brnicus

Europe's eyes on Earth

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Siberia