



Operationalizing Contrail Avoidance Virtual Workshop Agenda

Wednesday, September 7, 2022

Time (ET)	Time (PT)	Topic	Speaker(s)
12:00PM – 12:15PM	9:00AM – 9:15AM	Introduction and Welcome	<ul style="list-style-type: none"> Akbar Sultan, Airspace Operations and Safety Program (AOSP) Director, NASA Aeronautics Research Mission Directorate (ARMD) Lance Sherry, Director of the Center for Air Transportation Systems Research, GMU Anna Civolowsky, Program Specialist, NASA
12:15PM – 12:45PM	9:15AM – 9:45AM	Climate Action Plan and Contrails	<ul style="list-style-type: none"> James Hileman, Chief Scientific and Technical Advisor for Environment and Energy, FAA
12:45PM – 1:00PM	9:45AM – 10:00AM	Framing the Workshop	<ul style="list-style-type: none"> Lance Sherry, Director of the Center for Air Transportation Systems Research, GMU Andy Lacher, Chief Technologist for Future Airspace Operations, NASA
1:00PM – 1:15PM	10:00AM – 10:15AM	Operational Experience with Contrail Avoidance	<ul style="list-style-type: none"> Niels Lokman, Chief Operations Officer, EUROCONTROL Maastricht Upper Airspace Control/FABEC
1:15PM – 1:45PM	10:15AM – 10:45AM	What We Know and What We Don't Know About the Science of Aircraft Contrails and Their Impact on Climate Change	<ul style="list-style-type: none"> Christiane Voigt, Head of Department Institute of Atmospheric Physics, DLR Ulrich Schumann, DLR
1:45PM – 2:00PM	10:45AM – 11:00AM	Radiative Forcing Estimates from Satellite Images	<ul style="list-style-type: none"> Kevin McCloskey, Google
2:00PM – 2:15PM	11:00AM – 11:15AM	BREAK	
2:15PM – 3:00PM	11:15AM – 12:00PM	PANEL: Airline Perspective on Sustainability MODERATOR: Andy Lacher, Chief Technologist for Future Airspace Operations, NASA	<ul style="list-style-type: none"> Aaron Robinson, Senior Manager - Environmental Strategy and Sustainability, United Airlines Jörg Oppermann, Vice President – Operations Division, Etihad Airways TBD
3:00PM – 3:15PM	12:00PM – 12:15PM	Operational Perspective	<ul style="list-style-type: none"> Catherine Jackson, President, Airline Dispatchers Federation

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3:15PM – 4:00PM	12:15PM – 1:00PM	Flight Planning Tool Implications	<ul style="list-style-type: none">• Adam Durant, Founder and Chief Executive Officer, Satavia• Ian McKay, Branko Zugic, and Marc Shapiro, Orca Sciences• Stephen Atlus, Technical Fellow, Boeing Jeppesen
4:00PM – 4:15PM	1:00PM – 1:15PM	BREAK	
4:15PM – 4:30PM	1:15PM – 1:30PM	Challenges for Operational Mitigation of Contrails	<ul style="list-style-type: none">• Steven Baughcum, Technical Fellow, Boeing
4:30PM – 4:45PM	1:30PM – 1:45PM	Overview of the State-of-the-Art of Satellite Image Identification of Contrails	<ul style="list-style-type: none">• Steven Barrett, Associate Department Head AeroAstro, MIT
4:45PM – 5:00PM	1:45PM – 2:00PM	DISCUSSION: Looking to the Future	<ul style="list-style-type: none">• All the Above and the Participants

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