

**6th JEDI Academy Agenda**  
 June 21 - 25, 2021  
 Attendance Virtually via Zoom  
 All Times in MDT

**Monday**  
 June 21, 2021

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:40 - 9:00 am	Introduction to Academy + Logistics	Yannick, Kat
9:00 - 9:30 am	<b>Lecture</b> Why OOPS/JEDI?	Yannick
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	<b>Lecture</b> Using JEDI: GitHub, Ecbuild, Containers, Modules	Mark
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	<b>Practical</b> Getting Started	Mark
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	<b>Lecture</b> Intro to Configurations and YAML	Steve
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	<b>Lecture</b> IODA 1: What is IODA?	Steve
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	<b>Practical</b> Add Observations and Configurations	Steve, Greg, Hailing
4:00 - 4:15 pm	Day Debrief	Yannick

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**Tuesday**  
 June 22, 2021

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:55 - 9:00 am	Arrivals	
9:00 - 9:30 am	<b>Lecture</b> Intro to Unified Forward Operators (UFO)	Hui
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	<b>Lecture</b> UFO Specifics: CRTM +	Ben
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	<b>Practical</b> Run H(x) in Test Environment for Several Instruments, Display Results	<b>Ryan, Fabio, Rachel</b>
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	<b>Lecture</b> Observation Operators and QC: General User Focus vs. Configuration Specific, How to Test Results	Fabio
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	<b>Lecture</b> Observation Operators and QC: Developer Focus, Implementation	Ryan
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	<b>Practical</b> BC and QC Configurations for Observations: Radiance and Conventional, Check Results	<b>Ryan, Wei, Greg, Francois, Rachel</b>
4:00 - 4:15 pm	Day Debrief	Yannick

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**Wednesday**  
 June 23, 2021

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:55 - 9:00 am	Arrivals	
9:00 - 9:30 am	<b>Lecture</b> QC Configurations, ObsFunctions, Code Changes	Greg, Wei
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	<b>Lecture</b> JEDI C++	Ryan
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	<b>Practical</b> Data Assimilation Diagnostics	Mark
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	<b>Lecture</b> Data flow, interfaces	Anna
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	<b>Lecture</b> DA and applications	Yannick
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	<b>Practical</b> Data assimilation in 4D	Dan
4:00 - 4:15 pm	Day Debrief	Yannick

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**Thursday**  
 June 24, 2021

Time	Activity	Presenter / Moderator
8:55 - 9:00 am	Arrivals	
9:00 - 9:30 am	<b>Lecture</b> BUMP Usage	Benjamin
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	<b>Lecture</b> BUMP science	Benjamin
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 am - 12:00 pm	<b>Practical</b> Advanced Model Features	Benjamin
12:00 - 1:00 pm	Lunch Break	
1:00 - 1:30 pm	<b>Lecture</b> Model Space	Dan
1:30 - 1:40 pm	10 min Q/A	
1:40 - 2:10 pm	<b>Lecture</b> Unit Testing, Writing Tests	Maryam
2:10 - 2:20 pm	10 min Q/A	
2:20 - 2:30 pm	Break	
2:30 - 4:00 pm	<b>Practical</b> Add Test	Maryam
4:00 - 4:15 pm	Day Debrief	Yannick

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**Friday**  
June 25, 2021

<b>Time</b>	<b>Activity</b>	<b>Presenter / Moderator</b>
8:55 - 9:00 am	Overview of Topic Theme:	Yannick
9:00 - 9:30 am	<b>Lecture</b> Working Principles	Mark
9:30 - 9:40 am	10 min Q/A	
9:40 - 10:10 am	<b>Lecture</b> PR and Code Review	Mark
10:10 - 10:20 am	10 min Q/A	
10:20 - 10:30 am	Break	
10:30 - 11:30 am	Q/A, <b>Practical</b> PR and Code Review	Mark
11:30 - 12:00 am	Day Debrief & Wrap up	Yannick