

EXOCLIMES PROGRAM - July 7-11, 2025 [200 ppl]												
	Location for all sessions: Pavillon Jean-Coutu S-151 (next to the Agora)											
Start	Sunday	7/6/2025	Monday	7/7/2025	Tuesday	7/8/2025	Wednesday	7/9/2025	Thursday	7/10/2025	Friday	7/11/2025
8:00	Arrival		Breakfast Pavillon Jean-Coutu Agora		Breakfast Pavillon Jean-Coutu Agora		Breakfast Pavillon Jean-Coutu Agora		Breakfast Pavillon Jean-Coutu Agora		Breakfast Pavillon Jean-Coutu Agora	
9:00			Opening Words									
Chair			Session 1 - Chair: Clémence Fontani	Session 4 - Chair: Shami Tsai	Session 7 - Chair: Caroline Morley	Session 9 - Chair: Yamila Miguel	Session 12 - Chair: Lisa Dang					
9:30			Nicolas Cowan: Observing Atmospheric Dynamics on Exoplanets <i>Review Talk</i>	María Zamyatina: Atmospheric Chemistry of Solar and Extrasolar Gas Giants <i>Review Talk</i>	Elsbeth Lee: Modelling Clouds in 3D <i>Review Talk</i>	Anjali Piette: Deciphering the Compositions of Super-Earths and Sub-Neptunes with JWST <i>Review Talk</i>	David Brain: Atmospheric Escape on Solar System Planets and Moons <i>Review Talk</i>					
9:45												
10:00												
10:15			Natalia Lucia Oliveris Gomez: Mapping the atmosphere of the BD binary system WISE 1049AB	Robin Baeyens: One, two, three! A multi-dimensional look at the chemistry of WASP-43 b	Nishil Mehta: Combining JWST data and General Circulation Models for a 3D view of the warm Jupiter WASP-80b	Matthew Nixon: Observable signatures of magma-atmosphere interactions in sub-Neptunes	Aaron Bello-Arufe: Evidence for an atmosphere on the sub-Earth L98-59b					
10:30			Amelie Gressier: JWST near-infrared phase curve analysis of the ultra-short-period Lava planet K2-141b	Brianna Lacy: Mapping Nonequilibrium Chemistry Trends in Cold Rogue Worlds	Diana Powell: Spatially varying weather forecasts on hot Jupiters	Cara Pesciotta: Hazes and Habitability: The Interaction Between Atmospheric Haze and Liquid Surface Water	Collin Cherubim: An Oxidation Gradient Spanning the Small Planet Radius Valley					
10:45			Fei Wang: Towards Time-Resolved Atmospheric Retrievals: Eigen-Spectra Inversion Techniques for Variable Brown Dwarfs and Exoplanet	Nathalie Grasser: Chemical fingerprints of young L dwarf twins as proxies of gas giant atmospheres	Sophia Vaughan: Understanding the survival of desert wanderer: Characterizing LTT-9779 b in reflected light	Harrison Nicholls: Exploring the diversity of lava planet atmospheres through coupled interior-atmosphere modelling.	Mark Fortune: Constraining the atmosphere of the rocky exoplanet LHS-1140c and lessons for the Rocky Worlds DDT from analysing JWST/MIRI data at					
11:00			Coffee break Pavillon Jean-Coutu Agora	Coffee break Pavillon Jean-Coutu Agora	Coffee break Pavillon Jean-Coutu Agora	Coffee break Pavillon Jean-Coutu Agora	Coffee break Pavillon Jean-Coutu Agora	Coffee break Pavillon Jean-Coutu Agora				
11:15			Session 2 - Chair: Denis Sergeev	Session 5 - Chair: Julia Seidel	Session 8 - Chair: Sarah Moran	Session 10 - Chair: Tim Lichtenberg	Session 13 - Chair: Romain Allart					
11:30			Keren Duer-Milner: Atmospheric Dynamics of Solar System Giants <i>Review Talk</i>	Emily Deibert: Probing Atmospheric Chemistry from High Resolution Spectroscopy <i>Review Talk</i>	Xinting Yu: Bridging Laboratory Aerosols Studies and Atmospheric Modeling: Lessons from Titan <i>Review Talk</i>	Oliver Shortt: The Search for Life at Planetary Interfaces <i>Review Talk</i>	Leonardo Dos Santos: A Tale of Assymetric Transits, Missing Planets, and Finally Including Magnetic Fields <i>Review Talk</i>					
11:45												
12:00												
12:15			Edouard Barrier: GCM simulations of temperature sub-Neptunes using a new convection scheme	Krishna Kanumalla: A song of ice and fire...and rocks!: Probing the rock-to-ice content of ultrahot Jupiters using IGRINS	Thomas Kennedy: Exploring cloud uncertainties with a grid of hot Jupiter GCMs	Esther van Dijk: Retrieving interior properties of hot Jupiters with Love numbers and atmospheric measurements	Eva-Maria Ahrer: Escaping helium and muted features suggest a high-metallicity atmosphere on sub-Neptune GJ3090b from JWST transit spectroscopy					
12:30			Robert Frazier: WASP-121b Under the Gaze of JWST: How 3D Models Compare to its Spectroscopic Phase Curve	Bibiana Prinoth: Hidden in plain sight: Using ESPRESSO's superpower to detect depleted titanium in WASP-121 b	Vignesh Nagpal: Clouds and Hazes on Sub-Neptunes: Insights from 2D Microphysical Modeling	Charles-Edouard Boukare: Exploring the Internal Dynamics of Lava Exoplanets	Jaume Orell-Miquel: Insights from the largest observational campaign on escaping atmospheres					
12:45			Namrah Habib: Do Episodic Storms Always Occur on Planets with Hydrogen-Rich Atmospheres? A Parameter-Space Study of Vertical Mixing in Sub-Neptune	Linn Boldt-Christmas: High-resolution spectroscopy studies of a cloudy and warm Neptune	Giulia Rocchetti: Exploring Earth's Reflected Light Through 3D Radiative Transfer Simulations	Claire Guimond: A geochemical view on the ubiquity of atmospheric CO2 on rocky exoplanets	Shreyas Vissapragada: Towards Precise Constraints on Atmospheric Evolution for 50 Sub-Neptunes					
13:00					Yifan Zhou: JWST as an Exoplanet Weather Satellite: NIRCam Coronagraphic Monitoring of Beta Pic b			Closing Remarks				
13:15					Paul Mollere: Characterizing Silicate Clouds in Rogue Planets with JWST							
13:30			Lunch & Poster Session Jean-Coutu Agora	Lunch & Poster Session Jean-Coutu Agora			Lunch & Poster Session Jean-Coutu Agora					
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15:00									Discussion (Free Time)			
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Chair			Session 3 - Chair: Joost Wardenier					Session 11 - Chair: Vignesh Krishnam				
16:00			Cathal Maguire: Multi-dimensional insights from high- and low-resolution spectroscopy					Jiachen Liu: Transport-Induced Chemistry and Vertical Mixing of Temperate sub-Neptunes: K2-18b as an Example				
16:15								Lili Alderson: Uncovering the Carbon Chemistry of the Exo-Neptune HAT-P-11b				
16:30								Pierre-Alexis Roy: Revealing the first thermal emission spectrum of a hot and dense sub-Neptune				
16:45								Chloe Fisher: Comparing the Chemistry of Sub-Neptunes in Multi-Planet Systems with JWST				
Chair								Panel Mod: Frédérique Baron				
17:00				Poster Session								

	<div>Welcoming Reception</div> <div>Pavillon Jean-Coutu Agora</div>	<div>Vincent Yariv: Towards Doppler Eclipse Mapping of Hot Jupiters</div>	<div>Jean-Coutu Agora</div>	<div></div>	<div>Spin-off Evenings: Beyond Academia - Lessons Learned from the Other Side Panel Cassandra Bolduc & Jeffrey Silverman</div>	<div></div>		
17:15		<div>Lennart van Sluijs: 1D Retrievals versus a 3D GCM: A Biased view of an Ultra Hot Jupiter at high resolution</div>						
17:30		<div>Vivien Parmentier: A population view of hot Jupiter atmospheres</div>						
17:45		<div>Panel Mod: René Doyon</div>	<div>Session 6 - Chair: Stevanus Nugroho</div>					
Chair		<div>Spin-off Evenings: How SciComm can help you with your research Workshop by Marie-Ève Naud & Frédérique Baron</div>	<div>James Kirk: BOWIE-ALIGN: Testing the dependence of atmospheric composition on migration history with the misaligned hot Jupiter WASP-15b</div>				<div></div>	
18:00			<div>Nicole Wallack: Early Results from the JWST Giant Exoplanets Around M-dwarf Stars (GEMS) Program</div>					
18:15			<div>Yoav Rotman: It's a bird! It's a plane! It's... an unknown gas?: Overcoming Modeling Deficiencies in Retrievals of JWST Exoplanet Spectra</div>					
18:30			<div>Francisco Ardeval Martinez: Overwhelmed with JWST data? Machine learning to the rescue!</div>					
18:45								
19:00		<div>Buffer</div>	<div>Buffer</div>				<div>Buffer</div>	<div>Buffer</div>
19:15	<div></div>	<div>Dinner</div> <div>Caf��teria Jean-Brillant</div>	<div>Dinner</div> <div>Caf��teria Jean-Brillant</div>	<div>Dinner</div> <div>Caf��teria Jean-Brillant</div>	<div>Conference Dinner</div>			
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