

NIRPS Science meeting

9/26/2018

9/27/2018

9/28/2018

9/29/2018

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

DRS mini workshop

DRS mini workshop		Coffee & pasteries	Coffee & pasteries	Coffee & pasteries
8:30 AM	SPIRou DRS : early results & ongoing work (Neil Cook)			
8:45 AM		Welcome address by PIs (René Doyon & François Bouchy)	WP2: Organization and science rationale (René Doyon)	Consortium agreements (Olivier Hernandez / Mathieu Ouellet)
9:00 AM	Foreseen challenges in adapting the DRS to NIRPS (Neil Cook, Étienne Artigau, François Bouchy)	Project management update (Olivier Hernandez & Mathieu Ouellet)	TESS coordination (François Bouchy)	
9:15 AM		Front-end and fibre link update (François Wildi, Jonay Gonzalez)	On going TESS pRV follow-ups (François Bouchy)	Science team organisation (René Doyon, François Bouchy)
9:30 AM			K2 planet characterisation (Susana Barros)	
9:45 AM	coffee break	Back-end update (Mathieu Ouellet)	coffee break	coffee break
10:00 AM	Discussions and hands-on demonstration of SPIRou data processing (members of SPIROU DRS team)	coffee break	Follow-up of TESS exoplanet candidates with NIRPS and CORALIE (Louise Dyregaard Nielsen)	Ongoing HARPS coordination and Future Operation in La Silla (Stéphane Udry/François Bouchy)
10:15 AM		Status and performances of SPIROU pipeline adaptation for NIRPS (François Bouchy and/or Neil Cook)	SPITZER search for transiting planets around ultra-cool dwarfs and ground-based RV follow-ups (Paulo Miles-Páez)	Management of the operations and remote observing (François Bouchy & Claudio Melo)
10:30 AM			High-resolution imaging with NIRPS (Étienne Artigau)	
10:45 AM		DACE platform and NIRPS Data Center (Damien Ségransan)	Time for discussion: how many GTO nights for WP2? Rapidly target identification	Time for discussion
11:00 AM		NIRPS ETC (Bruno Canto)		
11:15 AM		Needs for the NIRPS tests, commissioning and science validation (François Bouchy)		
11:30 AM				
11:45 AM		Status report for ESPRESSO (Nuno Santos)		Management meeting
12:00 PM	Lunch break	Lunch break	Lunch break	Adjourn
1:00 PM	Telluric corrections with TAPAS & Molecfit (Solène Ulmer-Moll)	Status report for SPIRou (René Doyon)	WP3: Organization and science rationale (David Lafrenière)	
1:15 PM		Synergies with SPIRou (Xavier Delfosse)	Atmosphere characterization in the nIR (David Lafrenière)	
1:30 PM	Telluric corrections with Molecfit and its implication for radial velocities and transmission spectroscopy. (Romain Allart)	WP1: Organization and science rationale (Xavier Delfosse)	KELT-9b transit spectroscopy with HARPS-N (Jens Hoeijmakers/David Ehrenreich)	
1:45 PM		Target selection & conflict with SPIRou (Xavier Delfosse / Étienne Artigau)	Helium as the main tracer of extended thermosphere at NIR wavelength. (Romain Allart)	
2:00 PM	Telluric absorption correction through PCA analysis, early SPIRou results (Étienne Artigau)		time for discussion : How many GTO nights for WP3? JWST GTO complementarity; Support of non-NIRISS GTO?; HARPS+NIRPS, what do we gain by having both? ; Relevance of Rossiter measurements in the IR?	
2:15 PM		coffee break		
2:30 PM	coffee break	Current HARPS surveys on M dwarfs + discussion on the possibility for NIRPS co-Is to participate in ongoing effort (+ overview of competing M dwarfs surveys??) (Xavier Delfosse)	coffee break	
2:45 PM	Discussions : finding a common dataset & framework to determine the relative merits of telluric line removal methods	NIRPS RV survey: predicted discoveries and planet properties from core accretion population synthesis models (Christophe Mordasini remotely or Stéphane Udry)	Derivation of parameters for M dwarfs (Elisa Delgado-Mena)	
3:00 PM			Investigating surface structure and activity evolution of M dwarfs (Gregg Wade)	
3:15 PM			HELIOS and stellar activity mitigation (Xavier Dumusque)	
3:30 PM			Time for discussion : how many GTO nights for WP1? How do we handle the significant overlap with SPIROU/ESPRESSO?	
3:45 PM			Debris disks around M stars: A royal route in the search of planetary systems by NIRPS (Márcio Teixeira)	
4:00 PM				
4:15 PM			Time for discussion : Should we have a sub-group dedicated to the systematic characterization of planetary hosts?	
4:30 PM				
4:45 PM				
5:00 PM				
5:15 PM				
5:30 PM				
6:00 PM		Proposed social activity : Vernissage at the Centre d'exposition de l'Université de Montréal	Free planetarium show	
6:30 PM				
7:30 PM		Diner in Côte-des-Neiges		

NOTES
