

MICE Operations

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- ▶ On-call and expert lists
- ▶ Shift model for 24/7 running
- ▶ Training

MOM Rota

Date From	Date To	MOM
7th January 2015	4th February 2015	Chris Rogers
4th February 2015	4th March 2015	Pierrick Hanlet
4th March 2015	1st April 2015	Yordan Karadzhov
1st April 2015	29th April 2015	Milorad Popovic
29th April 2015	27th May 2015	Paul Hodgson
27th May 2015	24th June 2015	Victoria Blackmore
24th June 2015	22nd July 2015	Ryan Bayes
22nd July 2015	19th August 2015	Paul Hodgson
19th August 2015	16th September 2015	Ed Overton
16th September 2015	14th October 2015	Yordan Karadzhov
14th October 2015	4th November 2015	Melissa Uchida
4th November 2015	2nd December 2015	Victoria Blackmore
2nd December 2015	30th December 2016	
4th January 2016	3rd February 2016	
3rd February 2016	2nd March 2016	
2nd March 2016	30th March 2016	
30th March 2016	27th April 2016	Melissa Uchida
27th April 2016	31st May 2016	



Ops Calendar

https://www.google.com/calendar/embed?src=miceops%40gmail.com&ctz=Europe/London

miceops@gmail.com

Today March 15

Sun Mon Tue

Mar 1 2

ISIS run-up

8 9

ISIS run-up
MICE Activation Run

15 16 17 18 19 20 21

ISIS run-up ISIS beam permits ISIS User Period 1
1:30pm HallMeeting (8:00pm) Data Taking Period

22 23 24 25 26 27 28

ISIS User Period 1
Data Taking Period
1:30pm HallMeeting (8:00pm) Data Taking Period

29 30 31 Apr 1 2 3 4

ISIS User Period 1
Data Taking Period
1:30pm HallMeeting (8:00pm) Data Taking Period

MICE » Operations

Overview Activity Issues New issue Gantt Calendar News Documents Wiki Settings

Operations Wiki Edit Watch

Critical Information

- Web Whiteboard - list of changes to configurations and hardware/software issues to actively track
- [elog](#) - latest activity
- [Operations calendar](#)

Google calendar : miceOps / MouseTrap

ISIS Schedule



User Period	Start Date	End date	Days
Cycle 2014/03	17/3/2015	1/5/2015	45
Cycle 2015/01a	2/6/2015	5/7/2015	36
RAL Open Week			
Cycle 2015/01b	14/7/2015	24/7/2015	10
Cycle 2015/02	8/9/2015	16/10/2015	39
Cycle 2015/03	3/11/2015	18/12/2015	45
Cycle 2015/04	16/2/2016	1/4/2016	45

Channel tests / Calibration runs

Plans to May 2015

- ▶ **Week of March 1st** : Mock data run 2 : Expert only run
- ▶ **March 8** : Inactivation run : 16 hours (nominally).

ISIS will be running at 700 MeV rather than 800 MeV and have decided that an activation run would not be useful. One will have to be done later (prob. in June)

Goal : BLOC training, time in the target and the TOF0/1 with beam .Prepare, and if there is time, do a TOF calibration. Test online reconstruction, data transfer etc with beam

Plans to May 2015

Manpower : MOM, BLOC, SOC, Target expert, DAQ/Trigger expert, Controls expert and Online recon expert. 4 shifters.

Weekends starting March 21st :

Schedule regular beam runs on the weekends, interspersed with construction during the week.

Detectors accessible : TOF 0/1, CKOV, (TOF2, KL, EMR)
(possibly)

Plans to May 2015

- ▶ Runs will be nominally 16 hours / day, depending on data plans.
- ▶ 4 shifters / weekend will be required. We will use CHEESE. Shift credit will be given, even if shifts do not go ahead.
- ▶ Hall will be closed around 3pm on the preceding Friday afternoon. This is a good opportunity to start a weekly PPS training slot for the weekend shifters and others.
- ▶ To coordinate this we will start two weekly operations meetings. The first, on **Mondays**, will review previous weekend activities and plan required work during the week. The second, on **Friday**, will define the following weekend run goals and ensure that all systems are ready. Friday meetings will be in person. Meetings to start on **March 16th**

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Channel commissioning / Field-off running

ISIS Schedule

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Cycle 2015/01b	14/7/2015	24/7/2015	10
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2015/02 – 04 : Physics data taking

Data-taking plan

We assume :

- 3 scans and full physics grid
- empty, LH2 and LiH absorbers
- flip and solenoid mode
- double target rate and 4 V.ms beam loss

Basic run block :

Run Type	Postive	Negative
Calibration & Monitoring	5 hours	5 hours
Scan 1	15 hours	0 hours
Scan 2	15 hours	0 hours
Scan 3	1 day	0 hours
Physics Grid	10 days	2.5 days
Contingency	3 days	0.5 days
Total	15 days	3 days

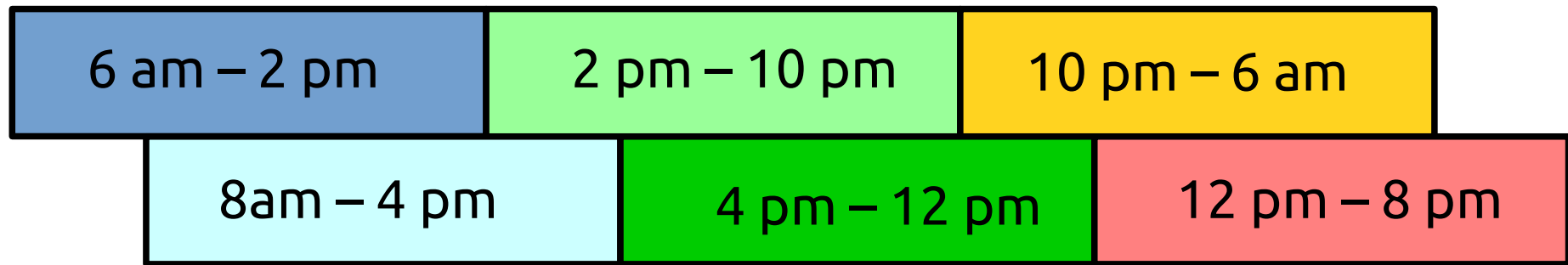
Baseline Run Plan

User Period	Run Type	Absorber	Focus coil Mode	Run-time (days)	Total (days)
2015-02	Commissioning			43	
2015-02	Physics	Empty	Solenoid	18	
	LH2 Fill			2	
	Physics	LH2	Solenoid	18	38
2015-03	Calib/Setup			7	
	Physics	Empty	Flip	18	
	LH2 Fill			2	
	Physics	LH2	Flip	18	45
2015-04	Calib/setup			7	
	Physics	LiH	Flip	18	
	Physics	LiH	Solenoid	18	43
					126

Assumes a 3 shift / 7 day operating mode

Shift model

- ▶ In 24/7 running : two shift streams staggered by 2 hours



- ▶ Shifters will be required to sign up in blocks of N shifts
- ▶ Shifts will be allocated to institutes according to the number of people associated with that institute
- ▶ All MICE members must do at least half of their personal shift allocation
- ▶ All institutional shift loads must be met in full

Shift Training

- ▶ Training format is outlined on

[miceMine:Operations:Training Shifters](#)

- ▶ Training will have to be provided between user runs
- ▶ A training period coming up after the CM and PPS training will be offered weekly during March and between user runs
- ▶ Need to think about training frequency and format for shifters/BLOCs. Use the upcoming commissioning period for shift training

On-call & Experts



The last time the expert list was overhauled was July, 2014

Need to revisit this : all those with positions of responsibility should look at the expert list on the Operations page on miceMine and tell me or the MOM if anything – personnel and/or contact details - needs to be changed.

Detector groups should now start putting in place expert roster and detector staffing plans.

Experts should be on-site during the run periods (as in any other particle physics experiment).

On-call expert access must be provided at all times during data-taking.

Documentation

I've already received some documentation for the spectrometer solenoids (thanks Pierrick) and the beamstop (thanks Henry)

Keep 'em coming.....

Summary

Data taking is approaching at an interesting speed

CHEESE has been rolled out and seems to work well.
Shift allocation for March 8th and weekend runs will be opened soon.

Training format needs some thought going into commissioning

On-call / on-site expert plans now need to be defined

Documentation documentation documentation