Subject: Re: Friday

Date: Friday, January 13, 2023 at 12:11:10 Eastern Standard Time

From: Durbak, Joseph M. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]

To: Lyness, Eric I. (GSFC-699.0)[MICROTEL LLC], Kutyrev, Alexander S. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]

HK and YJ wheels	Filter	Absolute Steps	Relative steps
	Grism	0	-
	Open	10000	10000
	lowres VPH	17000	7000
	medres VPH	25000	8000
	Y/H	33000	8000
	J/K	40000	7000
	Grism	50000	10000
Auxilliary Wheel	Large Open	0	-
	A	6249	6,240
	B	12348	6,090
	C	17906	5,550
	D	23456	5,550
	E	29019	5,560
	F	34581	5,560
	Large Open	40141	5,560
Slit wheel	80 micron slit	0	-
	250 micron slit	7222	7,220
	open	14111	6,880
	blank	19889	5,770
	long slit	25556	5,660
	150 micron slit	32778	7,220
	80 micron slit	40000	7,220

From: Lyness, Eric I. (GSFC-699.0)[MICROTEL LLC] <eric.i.lyness@nasa.gov>
Sent: Friday, January 13, 2023 8:44 AM
To: Durbak, Joseph M. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK] <joseph.m.durbak@nasa.gov>;
Kutyrev, Alexander S. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK] <alexander.s.kutyrev@nasa.gov>
Subject: Re: Friday

Just realized I don't have the elevated privileges to install LabVIEW.

Who can help us with that?

Eric

From: "Durbak, Joseph M. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]"
<joseph.m.durbak@nasa.gov>
Date: Thursday, January 12, 2023 at 18:0211
To: "Lyness, Eric I. (GSFC-699.0)[MICROTEL LLC]" <eric.i.lyness@nasa.gov>, "Kutyrev, Alexander S.
(GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]" <alexander.s.kutyrev@nasa.gov>
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Hi Eric,

Let me know how late you're going to be in the lab. I have a 10 am meeting tomorrow, but I can try to
meet you in the lab afterwards.

A few things for tomorrow:

- I made sure to leave the door unlocked for you
- I've determined that the files we found in
  the F:\RIMAS_all_files\RIMAS_docs_and_sw_backup\IRAC_computer-VIs-2019.06.21 folder
  were the correct ones

  - I made a copy and put it in the folder C:\Development\RIMAS-slit-viewing-camera
  - I also made a github backup of this in case we have future issues
  - It looks like the test we were using/modifying is now located in C:\Development\RIMAS-
    slit-viewing-camera\CRIO Project\Local\VLT test acquire_v8_nonmod_D_drive.vi

- I connected the CRIO, etc. ethernet cable to prime1 in the lab, however I can't remember what
  the IP address is supposed to be. Hopefully things will be more clear when we install labview
- I didn't know which version of LabView you wanted to use for this project, so it still needs
  installed
- Here's a list of COM ports for various devices:

  - Lakeshore 218 - COM10, 9600 baud, serial termination \r\n
  - Lakeshore 325 - COM16, 9600 baud, serial termination \r\n
  - Lakeshore 331 - COM4, 9600 baud, serial termination \r\n
  - Lesker 392 vacuum gauge - COM14, 19200 baud, serial termination \r
  - Filter Wheel Arduino - COM15, 9600 baud, serial termination \n
  - Linear Stage Arduino - COM9, 9600 baud, serial termination \n
  - Cryocoolers:

    - COM11, 9600 baud, serial termination \r
    - COM12, 9600 baud, serial termination \r
    - COM13, 9600 baud, serial termination \r

- Here's a list of the different absolute steps to filter positions (you still need to control the wheels
  with the same method as PRIME, I just think it's a bit clearer to describe the positions in
  absolute):

  - YJ filter wheel, commanded with M01

    - Grism, 0
    - Open, 10000

- - - lowres-VPH, 17000
      - medres-VPH, 25000
      - Y, 33000
      - J, 40000
      - Grism, 50000 (back to the beginning)

    - HK filter wheel, commanded with M11

      - Grism, 0
      - Open, 10000
      - lowres-VPH, 17000
      - medres-VPH, 25000
      - H, 33000
      - K, 40000
      - Grism, 50000 (back to the beginning)

    - Aux filter wheel, commanded with M31

      - large open, 0
      - A, 6249
      - B, 12348
      - C, 17906
      - D, 23456
      - E, 29019
      - F, 34581
      - large open, 40141 (back to the beginning)

    - Slit wheel, commanded with M31

      - 80 micron slit, 0
      - 250 micron slit, 7222
      - Open, 14111
      - Blank, 19889
      - Long slit, 25556
      - 150 micron slit, 32778
      - 80 micron slit, 40000 (back to the beginning)

- I don't have anything running at the moment, so feel free to restart the computer, and run subsystems

Thanks,

Joe

From: Lyness, Eric I. (GSFC-699.0)[MICROTEL LLC] <eric.i.lyness@nasa.gov>
Sent: Thursday, January 12, 2023 10:40 AM
To: Kutyrev, Alexander S. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK] <alexander.s.kutyrev@nasa.gov>;
Durbak, Joseph M. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK] <joseph.m.durbak@nasa.gov>
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Ok. I'll probably be there early in the morning.

From: "Kutyrev, Alexander S. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]" <alexander.s.kutyrev@nasa.gov>
Date: Thursday, January 12, 2023 at 10:2235
To: "Lyness, Eric I. (GSFC-699.0)[MICROTEL LLC]" <eric.i.lyness@nasa.gov>, "Durbak, Joseph M. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]" <joseph.m.durbak@nasa.gov>
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Hi Eric, no, not always, but I believe lately the second door to the lab is being kept unlocked.

-Alexander

From: "Lyness, Eric I. (GSFC-699.0)[MICROTEL LLC]" <eric.i.lyness@nasa.gov>
Date: Thursday, January 12, 2023 at 10:12 AM
To: "Kutyrev, Alexander S. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]" <alexander.s.kutyrev@nasa.gov>, "Durbak, Joseph M. (GSFC-665.0)[UNIV OF MARYLAND COLLEGE PARK]" <joseph.m.durbak@nasa.gov>
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I plan to work all day tomorrow on RIMAS in the lab. Is the lab always unlocked?

Eric