# DPRG RBNV Chat Record – October 1, 2024

00:00:04.877,00:00:07.877

Jim F - CalgaryAB: I was interested in dgps and rtk2go

00:00:45.068,00:00:48.068

Carl Ott: https://www.dprg.org/robocolumbus-2024/

Upcoming Contest – RoboColumbus 2024

00:03:03.406,00:03:06.406

Carl Ott: RoboColumbus Rules Here https://www.dprg.org/wp-content/uploads/2024/08/robocolumbusplus-20240822.pdf

00:06:07.916,00:06:10.916

Mickey Dean: I wonder how many will get stolen or at least taken to an alley to get free food

00:06:29.952,00:06:32.952

Pat Caron: John K - Presented a One Eye animatronic robot.  New robot delivery in Dallas TX.

00:09:39.574,00:09:42.574

Carl Ott: Who's up for a field trip for an on-site repair?

They just don't build robots the way they used to.

https://www.cnet.com/science/new-photos-from-mars-show-nasa-rover-has-holes-in-its-wheels/

jalopnik.com/this-is-what-12-years-on-mars-has-done-to-curiosity-s-w-1851661624

00:11:41.220,00:11:44.220

Ponder SomeMore: Jim, I do prefer discord for interactive discussion. But if you are looking at one of my github repos, I can answer either issues or discussions, but you might need to let me know to turn on those features for a given repo.  Otherwise, there's always email. karim at compuguru.com

00:13:23.594,00:13:26.594

Carl Ott: Public Safety Announcement.

You really should wear shoes for certain Jobs.

For example changing tyres.

https://www.youtube.com/watch?v=cIpBpGQ0XTI

00:15:01.016,00:15:04.016

Pat Caron: Carl - Presented a mars rover update with a broken wheel.  Anyone want to do a repair call to mars?

Carl also presented a video of people changing tires while driving!

00:19:52.046,00:19:55.046

Carl Ott: ~8pm - Pat gave an update on sensors connected via USB to RPi.  Encountered sporadic lockup.  Turned out to be current starved - the USB port wasn't hefty enough. USed a hub with separate power and low and behold - worked steadily...

00:22:35.481,00:22:38.481

Pat Caron: Pat - Gave a robot update on his MaixSense-A010 ToF sensors.  The sensors were freezing intermittently while working.  It turned out that they were drawing too much current from the USB ports.  After powering the USB hub, the problems disappeared!

00:40:43.350,00:40:46.350

Pat Caron: Ray - Working on g=his outdoor robot fixing glaring programming mistakes.  The second this was working on his bumper.  He is working on a guard to prevent weeds from getting caught between his bumper and wheel/robot body.

00:50:46.222,00:50:49.222

Ponder SomeMore: I don't see Steve's base station on rtk2go.com, but I do see the PLSurePath station nearby in Princeton

00:52:43.961,00:52:46.961

Ponder SomeMore: http://monitor.use-snip.com/map?streamName0=PLSurePath&latitude0=33.17&longitude0=-96.46&length=1

00:53:06.539,00:53:09.539

Pat Caron: Doug P - Gave an update on his PCB he created.  This one so far has no mistakes.  He has populated the power section including 3.3V & 5.0v

00:53:07.787,00:53:10.787

Ponder SomeMore: I generally use the VN1 station

00:56:36.384,00:56:39.384

Ponder SomeMore: You can see everything active on rtk2go here:

00:56:37.396,00:56:40.396

Ponder SomeMore: http://monitor.use-snip.com/?hostUrl=rtk2go.com&port=2101

00:57:16.660,00:57:19.660

Ponder SomeMore: And if you click the [View All] button at the top or bottom of the map column, you can see the whole geography and zoom into your area

00:57:42.413,00:57:45.413

Pat Caron: Tom C - Gave an update of his outdoor robot wheel encoders.  He was rebuilding the R/C servo control interface.  He has added 16 small magnets to each of his wheels and a hall effect sensor.  He has this working well.

01:04:54.726,01:04:57.726

Pat Caron: He gave un update on his encoder IRQ routine and some pitfalls of Micropython's soft IRQ handling.  There is some issues with repeatability on the pulse width being returned.

01:10:34.585,01:10:37.585

Ponder SomeMore: popsicle bld

01:14:00.692,01:14:03.692

ed mart: Uniroyal building New Haven Ct.

01:49:13.821,01:49:16.821

ed mart: Correction

01:49:36.708,01:49:39.708

ed mart: Armstrong rubber building

01:49:57.699,01:50:00.699

Ponder SomeMore: see y'all!