DPRG RBNV Chat Record – October 22, 2024

0:03:03.029,00:03:06.029

Tom C - Hamilton, ON: FYI, GPS satellite predictor I found useful: https://www.gnssplanning.com/#/charts

00:04:38.515,00:04:41.515

Carl Ott: GOLD STAR for Pat - driving straight despite the target indicator wandering around (from GPS coordinates)

00:05:12.984,00:05:15.984

Jim F - CalgaryAB: @Tom Nice and handy link. Thanks for sharing.

00:37:32.103,00:37:35.103

Paul Bouchier: 7:35 Pat described his compass issues - maybe noise related

00:38:10.240,00:38:13.240

Paul Bouchier: 8:05 Tom showed his robot. Compass, GPS working well. Starting on path following tomorrow

00:40:48.673,00:40:51.673

Carl Ott: GOLD STAR for Paul B - showed Mowbot driving pretty straight-ish… But also - the compass threw him for a fit

00:46:23.037,00:46:26.037

Doug Dodgen: I'm going to leave. I'm working on a project and thought that I could listen in while doing it, but now I find that I need to focus on the project. See ya next week.

00:46:35.737,00:46:38.737

Carl Ott: see you Doug!

00:46:42.918,00:46:45.918

doug paradis: Here is some interesting info on bno055: 9-DOF -BNO055 Calibration,https://forums.adafruit.com/viewtopic.php?f=19&t=73014

00:48:58.253,00:49:01.253

doug paradis: and https://forums.adafruit.com/viewtopic.php?f=19&t=81133

00:58:41.719,00:58:44.719

Ponder SomeMore: this branch has fixes for rate control for ntrip server communications:

00:58:42.414,00:58:45.414

Ponder SomeMore: https://github.com/pondersome/RTK_GPS_NTRIP/tree/ntrip-rate-control

01:06:20.358,01:06:23.358

Paul Bouchier: Karim suggested a technique to get rid of magnetometer issues in the BNO055: turn the magnetometer off & just use gyro, & drive with rtk-gps for a bit and use the cmputed heading to calculate an offset for the gyro

01:07:53.223,01:07:56.223

Paul Bouchier: 8:41 Ray showed his new 4WD robot, that is BIG (50-70 lbs.

01:09:24.992,01:09:27.992

Paul Bouchier: Ray also showed a GoBilda platform - much lighter.

01:11:38.317,01:11:41.317

Paul Bouchier: Ray took a plastic food tray as a robot electronics chassis - Polycarbonate 8"x10" was $20 and the food tray was $2.

01:20:19.137,01:20:22.137

Paul Bouchier: Ray described the mechanical features of the shiny new robot he's building - 4WD, and largish. still looking at hoverboard motors. Ray is going to compete in RoboColumbus - may have rtk-gps + maixsense.

01:32:18.968,01:32:21.968

Paul Bouchier: 9:05 Michael Ivison showed a claw-based toy-grabber he's building, which includes a timing belt and gears he 3D printed.

01:40:46.062,01:40:49.062

Carl Ott: 9:13pm Doug P showed a pretty capable looking TOF Laser Range Sensor from Waveshare - 5cm to 25m or to 50m with accuracy of +/- 3.0cm for about $30 https://www.waveshare.com/tof-laser-range-sensor-c.htm

01:44:44.525,01:44:47.525

doug paradis: 50m ToF LiDAR from Waveshare: https://www.waveshare.com/tof-laser-range-sensor-c.htm?sku=28730

02:14:27.820,02:14:30.820

Chris N: time is up for me... good night....

02:20:26.689,02:20:29.689

Carl Ott: Harold is on Swatch. beat time
https://en.wikipedia.org/wiki/Swatch_Internet_Time

02:26:46.084,02:26:49.084

Ponder SomeMore: nite guys

02:33:03.483,02:33:06.483

Ray Casler: I got to go goodbye