What landed on master? • cartographer

- Allow FixedRatioSampler to drop all data. (#817)
- Fix debug output for 3D loop closure error. (#826)
- CollatorInterface and TrajectoryCollator (#808, #827, #828, #829)
- Build cartographer_grpc with Bazel (#841)
- Local SLAM cloud uploader (#811, #822)
What landed on master? • cartographer_ros

- Cartographer_ros GPS support (#659, #660, #662, #664, #666)
- Constraints visualization: Separate inter constraints between separate trajectories (#634)
- Simultaneous offline multi trajectories (#636)
Simultaneous offline multi trajectories
Cloud-based mapping progress

ROS bag → ROS ↔ gRPC → cartographer_grpc

rviz

cartographer_grpc → local SLAM results

cartographer_grpc → gRPC
Cloud-based mapping progress
What landed on master / pending PRs? • rfcs

- Committed: Collator Proposal
- Committed: Document ground truth features
- Committed: Improved handling of multiple trajectories in the offline node
- Committed: Add an RFC for landmark support
- Pending: SensorId struct
- Pending: Serialization header RFC
- Pending: AMCL replacement RFC
- Pending: Reconsider the role of odometry in the 2D optimization problem
Current work

- Cloud-Based Mapping
- Cartographer Monitoring
- Landmark support
Placeholder for other status reports
Thanks!

Next Open House:
February 8th, 5pm CET (8am PT)

If you would like to present anything next meeting, please reach out to cschuet@google.com