

Session 4 – Summary

Automation and Autonomous Station Operations

- Trends
 - Automation is moving forward and occurring on many levels at many stations.
 - Activities include automating single stations up to automating a network of station.
 - Automation is not necessarily for all stations. What is a cost benefit for some is not for all, although some amount of automation can help resource starved operations perform better.
- What's Common
 - Automated scheduling is a hot topic – with emphasis on optimizing station, network, ILRS data.
 - Sky clarity and approach to use in automation is also a hot topic.
- Challenges
 - Automated signal determination and data processing with high noise levels. Multiple approaches - what is the best?
 - Dynamic Scheduling - how much real time or not.
 - Real-time communication between stations for global information exchange.
- Security
 - Internal (remote operation) and external (aircraft) security issues identified / discussed; needs attention.
- Solutions
 - The role of the ILRS is to foster communication and exchange of information.
 - Make use of the ILRS forum to share issues and information.
 - Make available general guidelines and overview of what works for all stations to benefit from.
- Next steps
 - Continued collaboration within the ILRS to look for common solutions to our common needs.