**ABSTRACT**

This flyer describes the Simulated Inertial GPS Navigation Laboratory (SIGNaL) at SSC San Diego.
SIGNAl enables dynamic, consistent laboratory testing of an entire configuration and all aspects of Embedded GPS Systems (EGI, GINA, Embedded Doppler, and Receiver Cards).

SSC San Diego SIGNAl Central Engineering Activity Capabilities
- Dynamic laboratory testing
- Dual simultaneous EGI testing
- Validation and utilization for both Honeywell and Liton EGIs
- Extensive software menuization, error generation, and analysis
- Proposed standard SIGNAl interface
- Better alternative to static laboratory or non-repeateable dynamic field testing

Particularly Useful for Laboratory
- Re-Fly Testing and Troubleshooting
- Integrity Testing
- Vulnerability Testing
- Navigation Performance and Kalman Filter Analysis
- Dynamic Edge of Envelope Testing
- Special Integration Issue Analysis

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SD 055 Rev 2  
September 1998
Approved for public release; distribution is unlimited.