



Pentagon Reports: Fast. Definitive. Complete.

Home About Us Contact Us View Cart My Account FAQ

username

LOGIN

New Account »
Forgot Password?

HAARP

GO

Advanced Search »

Ads by Google

Free Military Records

Lookup Free Military Records On Anyone Right Now. Takes 5 Seconds!

Military.GovMilitaryRecords.com

BAE Systems IR Imaging

Thermal Weapon Sights -- TWS Uncooled IR Products

www.baesystems.com

Acu Military

Huge deals from thousands of top-stores. Compare prices and Save.

Become.com

Video Editing Workstation

Tricaster, Matrox RTX2, Axio, Edius Save hundreds on turnkey systems

www.DVGear.com



Oceanography and Atmospheric Sci. Atmospheric Physics

SATSIN System Manual

Authors: [Robert C. Livingston](#); [SRI INTERNATIONAL MENLO PARK CA](#)

Abstract: This report outlines the design, functions and operation of the HAARP Diagnostic Satellite Scintillation (SATSIN) system that will be used to characterize the structure and dynamics of F region ionospheric irregularities created during HF heating. When in routine operation, the SATSIN system will be located so that the propagation path from satellite radio beacons passes through the heated volume created by HAARP. The signal, altered in phase and amplitude by the irregularities, is received by the SATSIN array of eight antennas and is processed to extract the spatial and temporal characteristics of the scintillation. From this information, the strength, shape and motion of the in situ irregularities generated by HAARP can be implied. The hardware and software components of the system are reviewed, and the installation and operation in conjunction with the HAARP network are outlined.

- Limitations:** APPROVED FOR PUBLIC RELEASE
- Description:** Scientific rept. no. 1
- Pages:** 66
- Report Date:** JAN 95
- Contract Number:** F19628-92-C-0179
- Report Number:** A578003



Keywords relating to this report:

- ✦ [COMMUNICATION SATELLITES](#)
- ✦ [COMPUTER PROGRAMS](#)
- ✦ [DIAGNOSTIC EQUIPMENT](#)
- ✦ [DYNAMICS](#)
- ✦ [F REGION](#)
- ✦ [HEAT](#)
- ✦ [IONOSPHERIC MODIFICATION](#)
- ✦ [IONOSPHERIC SCINTILLATION](#)
- ✦ [RADIO BEACONS](#)
- ✦ [RADIO EQUIPMENT](#)
- ✦ [SATELLITE ANTENNAS](#)
- ✦ [SATELLITE COMMUNICATIONS](#)

Adobe PDF - \$20.95

Printed Format - \$24.95

ADD TO CART

Please check the box for the format you wish to order.

[Shipping Terms](#)
[About Electronic Delivery](#)

[Email This Abstract](#)

[Home](#) | [About Us](#) | [Contact Us](#) | [View Cart](#) | [Customer Service](#) | [Shipping Terms](#) | [Advanced Search](#) | [Privacy Policy](#) | [Restrictions on PDF Usage](#)

© 2001-2009 Storming Media LLC. All rights reserved.