

geometric fidelity and impulse response (P. Farris) with guidance from J. Gibson. We thank L. Neilly at the RADARSAT Project Office for measurements related to the *noise equivalent σ_0* , P. McLean of the Digital Methods Division (DMD) for providing his impulse response software, and B. Park from DMD for development of AIR II and SMOKE software for stripping and imaging the data.

The excellent support of the staff of Innotech Aviation, Ottawa Flight Services Division in the operation and maintenance of the aircraft is appreciated as well as the effort from the SAR operators contracted from F.G. Bercha and Associates (Ontario).

References

- [1] Argus, S., F. Carsey, C.E. Livingstone, L. McNutt, C. Tang, and B. Holt (1987) "LIMEX '87, the Labrador ice margin experiment, a pilot experiment in anticipation of Radarsat and ERS-1 data", in *preparation for EOS*, 2p.
- [2] Choma, G. (1986) "IRIS video signal CCT format specification", CCRS Technical Memorandum, DMD-TM-84-365, 51p.
- [3] Davis, N., and J. Princz (1981) "The CCRS SAR processing system", *Proc. 7th Canadian Symposium on Remote Sensing*, pp. 520-527.
- [4] Gibson, J.R., R.A. O'Neil, R.A. Neville, S.M. Till, and W.D. McColl (1983) "A stereo electro-optical line imager for automated mapping", *Proceedings of the Sixth International Symposium on Automated Cartography*, Vol. II, *Automated Cartography: International Perspectives on Achievements and Challenges*, Barry S. Wellar, ed., pp. 165-487.
- [5] Gray, A.L., R.K. Hawkins, and C.E. Livingstone (1984) "A simple model for satellite SAR radiometric distribution estimation", *Proceedings of 8th Canadian Symposium on Remote Sensing*, Montreal, pp. 25-28.
- [6] Guertin, F.E. (1984) "SAR-580 & Seasat image CCT format specifications", CCRS Technical Memorandum, DMD-TM-81-199C, 68p.
- [7] Hawkins, R.K., W. Park, J. Murphy (1986) "Airborne SAR RTP image CCT specification in standard format", CCRS Technical Memorandum, DMD-TM-86-504, 101p.
- [8] Hawkins, R.K. and P. King (1986) "Specification for IRIS HDT to FIRE-240 Film Product", DMD-TM-86-598, 12p.
- [9] Hawkins, R.K. and J. Granot (1987) "Overview of the MAID system", DAD-TN-87-001, 30p.
- [10] Hawkins, R.K. (1987) "CCRS SAR Recording Formats: A compendium of HDDT and CCT Format Specifications", CCRS/DAD Technical Note 1987-002, 274p.
- [11] MacDonald, Dettwiler and Associates Ltd (1982) *MAID Data Acquisition and Recording Unit Manual*, MDA, 3751 Shell Rd, Richmond, BC.
- [12] Park, W. (1982) "User's introduction to the TRIAD system", CCRS DMD-TM-82-279, 27p.
- [13] Raney, R.K. (1985) "SNR in SAR", *Proc. IGARSS*, Oct. 7-9, 1985, Amherst Mass., pp. 994-999.
- [14] Rawson, R., F. Smith, R. Larson (1975) "The ERIM simultaneous X- and L-band dual polarization radar", *Proceedings of IEEE International Radar Conference*, pp. 505-510.
- [15] Soper, I.M. (1984) "Specification for an airborne real-time display and formatter system for the IRIS C-band SAR", Canada Centre for Remote Sensing, 40p.
- [16] Thomas, V.L. and F.E. Guertin (1982) *The Standard Family of CCT Formats*, Landsat Technical Working Group, 13p.
- [17] Ulaby, F.T., R.K. Moore, A.K. Fung (1982) *Microwave Remote Sensing Active and Passive*, Vol. II, "Radar Remote Sensing and Surface Scattering and Emission Theory", Addison-Wesley, Reading Mass.