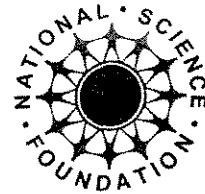


**Memorandum Of Understanding Between the
National Science Foundation and the
National Aeronautics and Space
Administration
For Supporting Utilization Of
The Keck Observatory Archive**

Version 1.2

July 27, 2005



Approvals:

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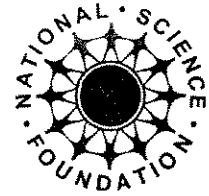
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Stephen Ridgway / 7/29/05

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Revision History

Version	Date	Changes By	Comments
0.2	1 June 2005	STR	Draft
1.0	24 June 2005	STR	NVO compliance, format, coordinators
1.1	6 July 2005	STR	Schedule, termination provision
1.2	25 July 2005	STR	Format, concurrence list

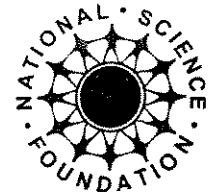


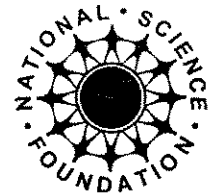
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Preamble

The Michelson Science Center and NASA have entered into a partnership with the California Association for Research in Astronomy and the W. M. Keck Observatory to develop a Keck Observatory Archive (KOA). The initial archive contains the Level 0 scientific and calibration data from the High Resolution Echelle Spectrograph (HIRES), with a planned archive upgrade to Level 1 data in Fiscal Year 2008. This archive was initiated in support of NASA mission-related activities - especially the long-term radial velocity monitoring of bright stars for detection of exo-planets. However, all HIRES observations and calibration recorded since August 2004 have been archived, and the populating of the archive continues with current observing programs.

Owing to the large number of observations and the high information content of HIRES data, it is reasonable to foresee considerable astronomy community interest in access to this archive for numerous scientific objectives. Both NASA and NSF are interested in supporting public access to HIRES data and use of it for scientific purposes. The archive will be National Virtual Observatory (NVO) compliant.



The Understandings

NASA and NSF in furtherance of this Memorandum of Understanding agree:

To entertain proposals for use of the KOA data archive within their existing grants programs - - the Research Opportunities in Earth and Space Sciences grants program in the case of NASA and the Astronomy and the Astrophysics Research grants program in the case of NSF, or such other opportunities as may be appropriate.

To review and judge KOA proposals according to the criteria, policies and selection procedures prevailing within the respective programs.

To fund selected KOA proposals according to the policies and procedures prevailing within the respective programs.

Administrative Provisions

- 1 There shall be no exchange of funds between the parties under this MOU.
- 2 The term of this MOU shall be indefinite. Either party may unilaterally terminate this MOU at no cost or other obligation to the other party by written notification of the other party.
- 3 The prime coordinator for NASA for the purpose of this MOU shall be the Michelson Science Center Program Scientist (currently Stephen Ridgway), NASA Headquarters, Washington, DC 20546.
- 4 The prime coordinator for NSF for the purpose of this MOU shall be the Astronomy and Astrophysics Grants Unit Coordinator (currently Vernon Pankonin), NSF, Arlington, VA 22230.