



UNIVERSIDAD NACIONAL
AUTÓNOMA DE
MÉXICO

INSTITUTO DE ASTRONOMIA
OBSERVATORIO ASTRONÓMICO NACIONAL

APARTADO POSTAL 70-264, CD. UNIVERSITARIA C.P. 04510 MEXICO, D.F.
TELS.: 5-022-39-06 AL 3911 5-616-26-01 5-816-27-26 5-616-14-12
FAX (525) 5-616-06-53
Internet: iaunam@astrocu.unam.mx

February 14, 2000

PROF. JOHN MEABURN
Jodrell Bank Observatory
The University of Manchester
Macclesfield, Cheshire SK11 9DL
UNITED KINGDOM

Dear John:

Thank you for your communication of January 19th, 2000 about a possible Institutional agreement on the Manchester Echelle Spectrometer (MES 1).

The suggested terms are acceptable to us since we found that they allow us to continue to support the work by José Alberto López as well as of other colleagues that might be interested in using this instrument.

Therefore we agree on the following terms:

- Manchester would provide the spectrometer with all essential parts for its operation, such as an Echelle grating, calibration lamps and slits and would leave it at SPM for its general use. Initially a simple mode would be organized for common-use so that observations can be supported by the night-assistants.
- The IAUNAM would only have to contribute (1) a set of interference filters to isolate the Echelle orders and (2) integrate the control functions into the telescope operating scheme.
- The expenses for transportation and insurance of MES 1 from the UK to Ensenada would be paid by Manchester. The IAUNAM would cover any local taxes that may arise to get the instrument into Mexico.
- Likewise, Manchester would cover the costs of shipping the instrument back to the UK at the end of the agreement though, more likely, the instrument would stay at SPM through an extension of the agreement.



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TELS.: 5-622-39-06 AL 3911 5-616-26-01 5-616-27-24 5-616-14-12
FAX (525) 5-616-08-53
Internet: sacad@astroscu.unam.mx

- The adaptations required by MES 1 to operate at SPM will be performed by the technical group at the IAUNAM-Ensenada. The basic modifications required can be very simple or more extensive depending on the level of sophistication for the control of the instrument that the people at the IAUNAM may wish to implement. It is better to be progressive over a period of use.
- In collaboration with Dr. Jose Alberto Lopez, a technical manual to install and maintain MES 1 at the telescope and a basic user's manual would be provided as part of the instrument.
- In exchange for this arrangement the Manchester group would request to have guaranteed observing time at the 2.1m telescope of SPM i.e. 1 dark and 2 grey nights per semester. One commissioning night would be required at the start of this programme.
- An approximate timetable could be:

Feb. 2000	Ship instrument from Manchester to Ensenada
April 2000	A week long visit by John Meaburn to Ensenada (at Manchester's expense) to discuss modifications.
Oct.-Dec. 2000	Commissioning at SPM and start of this programme

Please let us know more details about the shipment of MES1 to Ensenada.

With my best regards,

DR. SILVIA TORRES-PEIMBERT
Director

gcp*