

The University of Florida

The UF LIGO group, Physics Department
corner of Museum road and North South drive
Gainesville, Florida, 32611-8440

April 19, 2000

Prof. Barry Barish
Director, LIGO Laboratory
California Institute of Technology
MS 18-34
Pasadena CA 91125

Dear Barry,

This letter is a request for access to LIGO engineering data by the University of Florida LIGO Group (UFLIGO) in the Department of Physics of the University of Florida. This letter, which will be posted on the Web site of the LIGO Scientific Collaboration (LSC), is also meant to inform our LSC colleagues of our intended use of this data. We acknowledge that any publications arising from this data are subject to the LIGO/LSC Publications and Presentations Policy.

We wish to have access to the data taken during the engineering run of April 3-4, 2000 with a single-arm 2-km interferometer at the LIGO Hanford Observatory. We intend to use this data to test and refine algorithms for 1) wavelet analysis of transients, 2) data compression and 3) study line features and their variability.

We understand that this data will be stored in the LIGO Data Archive at the Caltech Center for Advanced Computing Research (CACR) and request permission to transfer data from CACR to Florida and to use CACR user accounts for analysis of larger amounts of data. We estimate the use of no more than 100 CACR CPU hours and the transmission of no more than 10 Gigabytes over the network. In addition, we may in the future wish to obtain a copy of the entire 24-hour data set on magnetic tape in AIT-2 format. We request permission to call upon LIGO Lab personnel to assist in writing the tape(s) for shipment to Florida. We would provide the raw tape(s) for writing such a copy.

The persons working with this data at University of Florida are Bob Coldwell, Sergey Klimenko, Guenakh Mitselmakher, Andrey Sazonov and Bernard Whiting. S.Klimenko, G.Mitselmakher and A.Sazonov will work on wavelet analysis of transients and data compression algorithms. B.Coldwell and B.Whiting will study line features and their variability.

Best regards,

G.Mitselmakher
for the UF LIGO group

cc: Stan Whitcomb, LIGO Detector Group Leader
Albert Lazzarini, LDAS Group Leader
Rainer Weiss, LSC Spokesman
Keith Riles, LSC Detector Characterization Group Chair