

PACKAGE ID - 001307IBMPC00 IMSDAQ1.0

KWIC TITLE - Controls and Acquires Data from an Ion
Mobility Spectrometer

AUTHORS - Bouchier, F.
Sandia National Labs., Albuquerque, NM (United States)

LIMITATION CODE -COPY **AUDIENCE CODE** - LIM

COMPLETION DATE - 04/01/1999 **PUBLICATION DATE** - 04/01/1999

DESCRIPTION - Software to control and acquire data from an Ion Mobility
Spectrometer (IMS).

PACKAGE CONTENTS - Sedia Directory; Software Abstract; Media Includes
Installation Instructions;

SOURCE CODE INCLUDED? - No

MEDIA QUANTITY - 1 CD Rom

METHOD OF SOLUTION - This software uses a commercial data acquisition
board to acquire data from an IMS. A digital output from the board
can be used to control the IMS shutter, or the acquisition can be
externally triggered by the IMS. Routines are provided to plot and
analyze the data. All data is stored in ASCII format for easy
export to other programs.

COMPUTER - IBM PC

OPERATING SYSTEMS - Pentium or greater processors with Windows 95 or
Windows NT operating system.

PROGRAMMING LANGUAGES - na

SOFTWARE LIMITATIONS - This is stand alone software designed for a
single user.

SOURCE CODE AVAILABLE (Y/N) - N

RELATED SOFTWARE - A run time library, available from National
Instruments (www.natinst.com), must be installed on any computer
which will run this software.

HARDWARE REQS - This software was written for a PCI-1200 data
acquisition board which is available from National Instruments.

ABSTRACT STATUS - Released AS-IS 10/8/1999.

SUBJECT CLASS CODE - OZ

KEYWORDS -

E S T S C
ENERGY SCIENCE & TECHNOLOGY SOFTWARE CENTER
SOFTWARE ABSTRACT

PAGE 2
DATE 03/11/2002

PACKAGE ID - 001307IBMPC00 IMSDAQ1.0

COMPUTER PROGRAM DOCUMENTATION
I CODES
DATA ACQUISITION
EXPERIMENTAL DATA
DATA PROCESSING

EDB SUBJECT CATEGORIES -
990200

SPONSOR - DOE/DP

PACKAGE TYPE - AS - IS