Contents of this CDROM

This CDROM contains data collected from the projects SILTMAN and SCAWVEX during the period of November 1995 until May 1996. The area of interest is the coastal area near Hoek van Holland called the 'Maasmond' area. The data sources of both projects are unique because of it's diversity in collected parameters, geographical positions, spatial coverage in the horizontal and vertical plane, measuring platform and time span. This fact reveals the reason for the National Institute for Coastal and Marine Mangement to join both data sets and store it safely on one single CDROM.
The CDROM 'Maasmond' contains more than 11.000 ASCII-files holding more than 330 Mbyte of measured data. All timereferences are in UTC + 1 hour. The layout of the files has been uniformed as much as possible. The date and time format is yyyy/mm/dd hhmm and if necessery hh:mm:ss. In general the directory structure has been chosen according to the following template:

\CDROM\<sensor name>\<measuring location>\<parameter group or parameter name>\<filename>
All the files are labelled with the extension *.asc. To facilitate the inspection of the data it is recommended to associate the '.asc'-extension with an ASCII-editor like 'Wordpad' (available in WIN95). The file contents and formats have been documented in the following files:

ALLSENS.ASC	Comma separated file containing, sensor ID, vertical position, datasource, measuring location, filename(s), error-codes and remarks
DEF.ASC	Comma separated file containing definitions of used terminolgy
DICTGEN.ASC	Comma separated file containing the measured parameters of the different sensors (except those data being collected by the Measuring Network North Sea)
HYDROMET.ASC	Comma separated file containing the measured parameters of the different sensors being collected by the Measuring Network North Sea
GEOGRAPH.ASC	Comma separated file containing locations, abbreviations used in directory structure, geographical positions of locations and the water depth
INTR_OUT.ASC	Comma separated file containing description of the format used in the *.out specific sensor type INTRA files
INTR_PAR.ASC	Comma separated file containing description of the format used in the *.par INTRA files
EXCEL50.XLS	Spreadsheet containing the above mentioned files in Microsoft EXCEL 5.0 format, arranged in tab-pages
DIRLIST.ASC	Listing of all directories
FILELIST.ASC	Listing of all files
SCAWVEX.DOC	Microsoft WORD 6.0 document containing the SCAWVEX report without the original graphs and drawings
SILTMAN.DOC	Microsoft WORD 6.0 document containing the SILTMAN report without the original graphs and drawings

Siltman, Project Description

In the period between November 15, 1995 and May 1, 1996, field measurements have been executed in the Maasmond area for the SILTMAN project. The objective of the measuring campaign was to collect "in-situ" data to calibrate the sediment transport model for the region. By means of this model the pro's and cons of alternative SILTMANagement scenarios can be investigated. The SILTMAN measurements can be divided into two parts:

- Measurements with bottem mounted frames and a mooring mounted;
- Sailing Measurements.

Measurements with frames and a mooring

During the SILTMAN measuring campaign four measurement frames have been installed on the sea floor. All four frames were equipped with two Mex light attenuation (turbidity) sensors positioned on 0.15 and 0.50 m above the seafloor and an Ultrasonic Current Meter UCM 60 positioned on 0.35 m above the seabed. One frame contained an ADCP and near one frame a mooring is deployed.

Sailing Measurements

In order to get more detailed information over the spatial variation of the measured parameters, the SILTMAN campaign contained 13-hours measurements on one location. The measurements comprised several measuring devices under which there were highly new and innovative ones, like the INTRA measurements. The measurements were done from the Measuring Vessel 'Holland' owned by the North Sea Directorate. The instruments used were a NBA current meter, a Rosette sampler with a Seabird environmental laboratory installed, S4 current meter, CILAS (optical instrument for measuring suspended particles size distribution), and INTRA current correlation profiler/CCP.