

VIRMOS-VVDS

10 years of software development

*From Survey planning to scientific
exploitation*

A number of tools, thousands of lines of code, to

prepare, carry out, exploit

VVDS (and zCosmos)

(Not to mention the control s/w)

Exposure Time Calculator: ESO has adopted our algorithms

First tool: **SPOC**, optimization of mask layout

SuperSpoc: used at the beginning to device survey strategy

VMMPS: delivered to ESO

VVDS-DB: for survey preparation, photometric data,
CENCOS, etc, etc etc

DRS: C code for Data Reduction, delivered to ESO
5 Mbytes (+ 36.5 externals) ~ 65 thousands lines

VIPGI: Python user Interface to DRS, plotting utilities,
data reduction checks, Data Organizer
5 Mbytes

VIPGI **derivatives** (sgnaps, sadio, drago, etc.)

KBRED/YAZ: N thousands of spectra measured

EZ:

EVERYTHING FULLY tested, used, exploited,
documented (almost)

MORE THAN JUST THAT!!!!

many scientific Data Analysis Tools

- Hyperz
- platefit
- LF
- Abs. Mags
- Corr function (+ AGNs one)
- Gossip
- and whatever I forget..... FORGIVE!!

and many others for the next 10 years?

ADASS 2005: surveys, Pipelines, Data Analysis, VOs etc etc...
NO SPECTROSCOPY

VVDS Consortium UNIQUE POSITION!!!!!!!!!!!!

(once again...)

● SURVEY

● SPECTROSCOPY

● ASTRONOMERS

● S/W ENGINEERS

EXPLOIT THE CHANCE

OLF's ancient project: Integrated environment

EZ the first step?