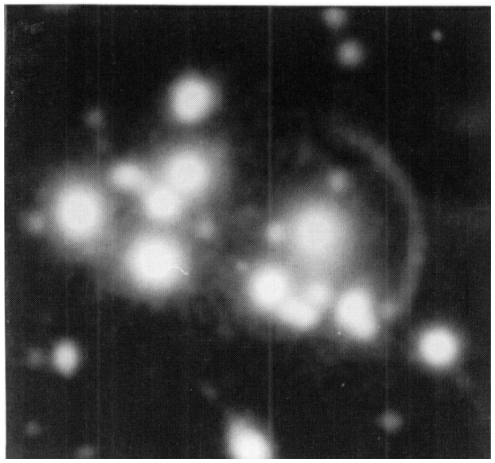
Olivier: ten first years of research

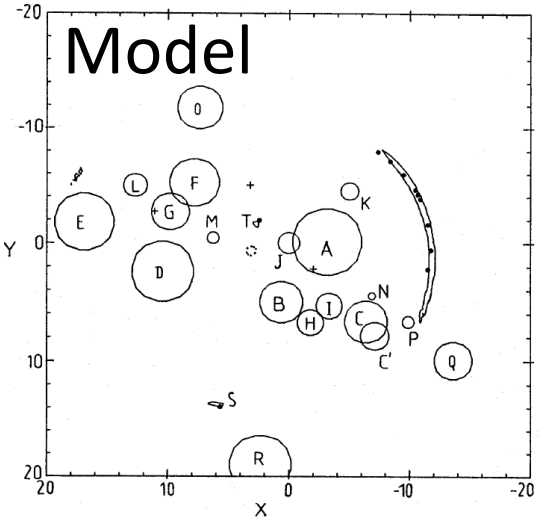
Gravitational lensing

THE ASTROPHYSICAL JOURNAL, 350:L1–L4, 1990 February 10

3CR 208.1: A RADIO-LOUD QUASAR AT $z = 1.02$ GRAVITATIONALLY AMPLIFIED BY A FOREGROUND SEYFERT GALAXY AT $z = 0.159$

O. LE FÈVRE
Canada-France-Hawaii Telescope Corporation; and Paris-Meudon Observatory
AND
F. HAMMER[1]
Paris-Meudon Observatory
Received 1989 September 7; accepted 1989 November 14





CFHT images

1989A&A...208L...7H

Astron. Astrophys. 208, L7–L10 (1989)

ASTRONOMY AND ASTROPHYSICS

Letter to the Editor

Probable additional gravitational images related to the Cl 2244-02 arc and *B*, *V*, *R* photometry of the cluster core*

F. Hammer[1], O. Le Fèvre[1,2], J. Jones[2], F. Rigaut[1], and G. Soucail[3]

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Received July 5, accepted September 27, 1988

Gravitational lensing

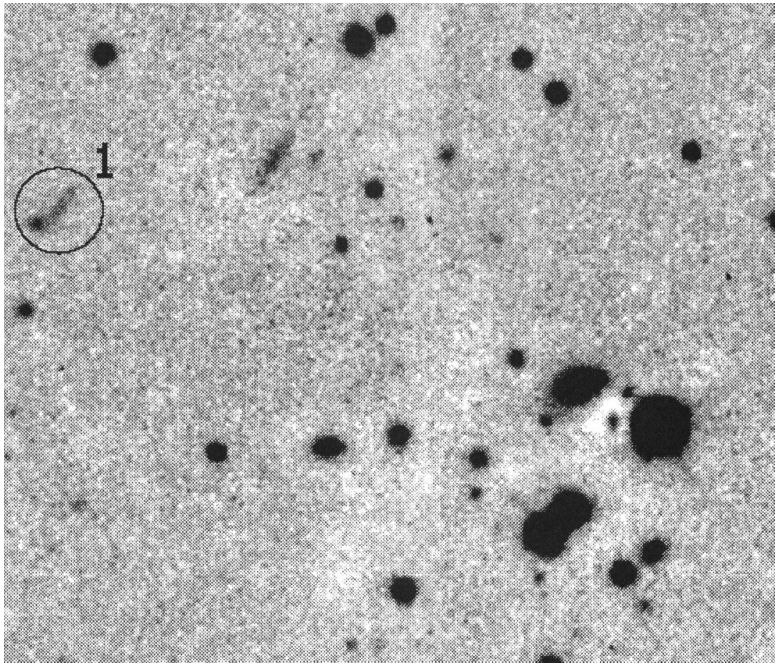
THE ASTROPHYSICAL JOURNAL, 422:L5–L8, 1994 February 10

IMAGING OF 16 DISTANT EMSS CLUSTERS WITH $z \geq 0.2$ AND $L_{X,44} \geq 4$: NEW ARCS AND FIRST CONSEQUENCES[1]

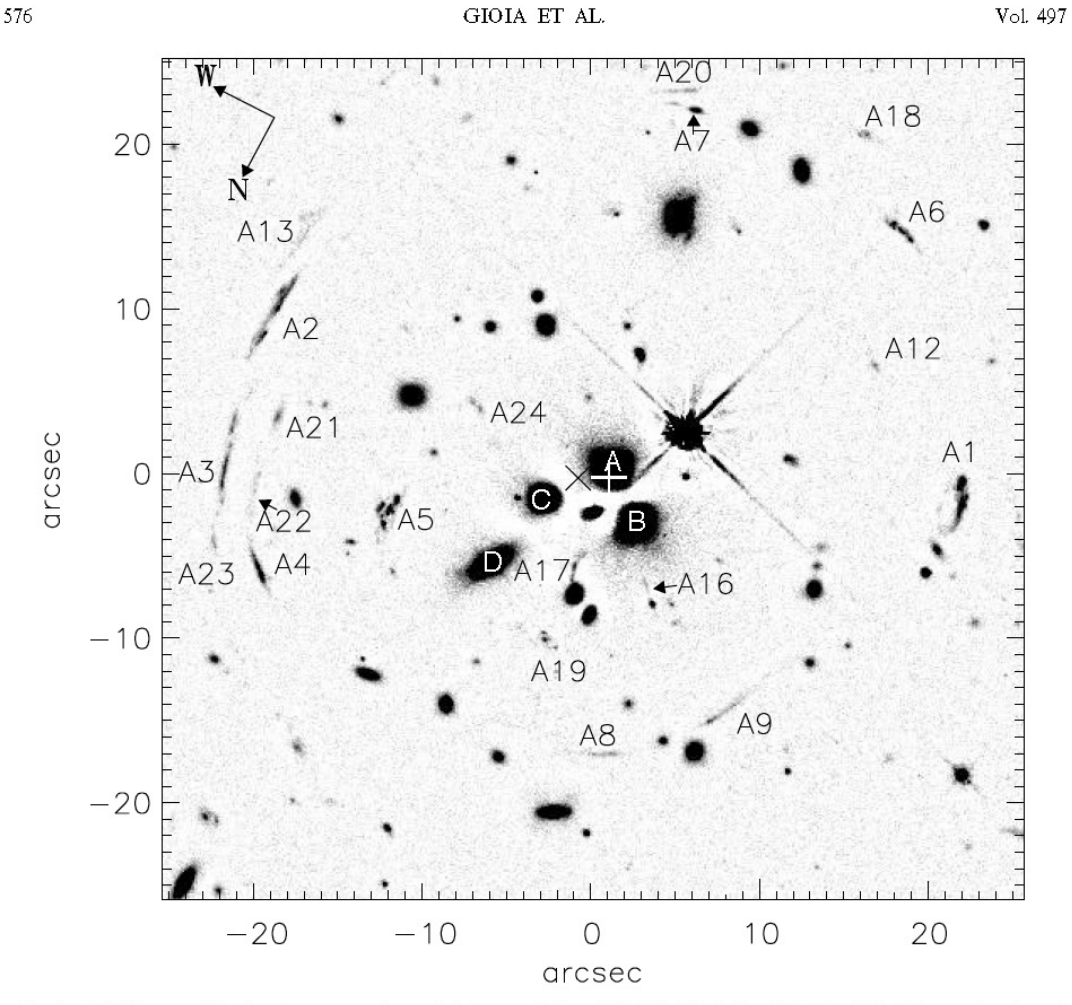
O. LE FÈVRE,[2,3] F. HAMMER,[2,3] M. C. ANGONIN,[3] I. M. GIOIA,[4,5,6] AND G. A. LUPPINO[4]

Received 1993 September 13; accepted 1993 November 15

CFHT images



Gravitational lensing: a Space telescope program



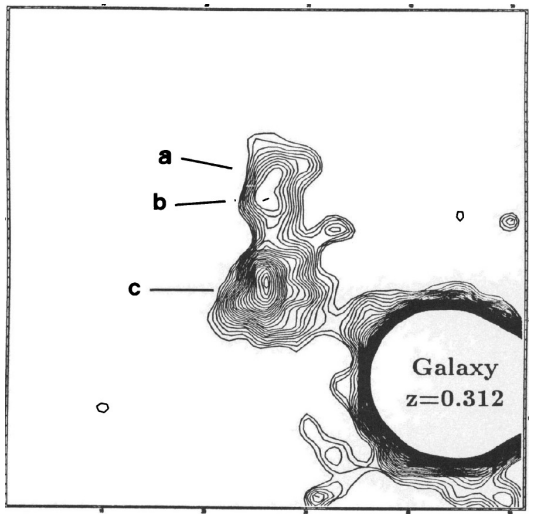
MS0440+0201

Radio galaxies at z > 1

THE ASTROPHYSICAL JOURNAL, 333:L37–L40, 1988 October 15

IMAGING OF VERY DISTANT 3CR GALAXIES: HIGH SPATIAL RESOLUTION DATA FOR SEVEN GALAXIES WITH $1.176 \leq z \leq 1.841$

O. LE FÈVRE[1]
Canada-France-Hawaii Telescope Corporation; and Paris-Meudon Observatory
AND
F. HAMMER[1]
Paris-Meudon Observatory
Received 1988 May 2; accepted 1988 July 14



THE ASTROPHYSICAL JOURNAL, 374:91–102, 1991 June 10

DEEP SPECTROSCOPY UNDER HIGH SPATIAL RESOLUTION OF THE HIGH-REDSHIFT RADIO SOURCE 3CR 368: THE MONSTER ELUCIDATED

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AND
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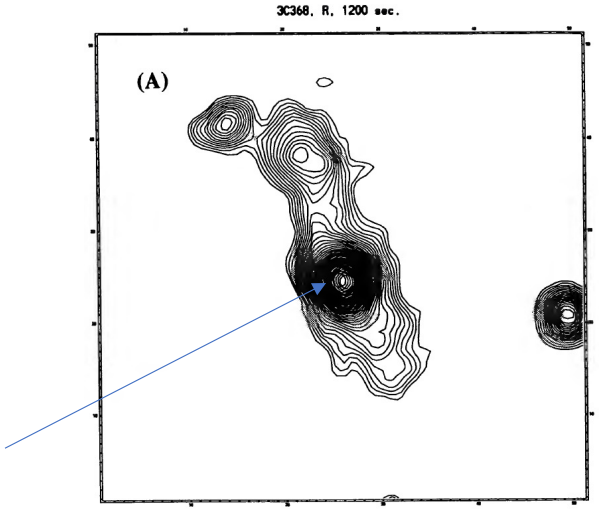
DAEC, Observatoire de Paris-Meudon, 92195 Meudon Principal Cedex, France
Received 1990 June 18; accepted 1990 December 5



Radio galaxies at z > 1

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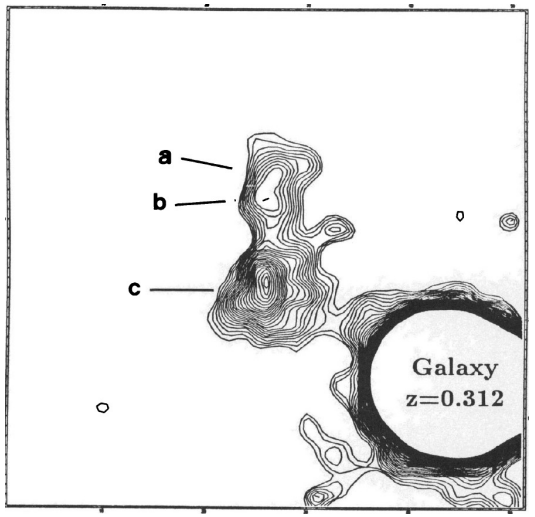

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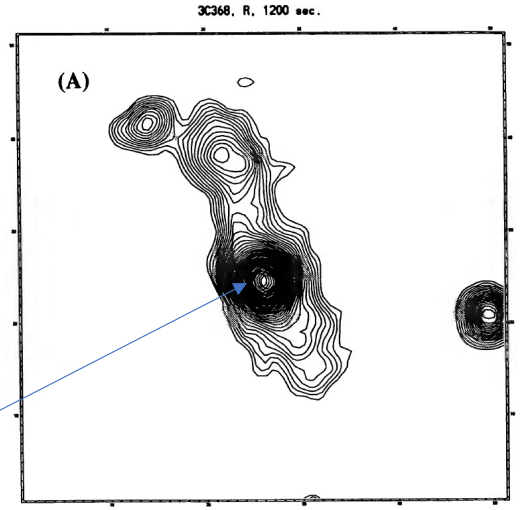
M star!



Towards the Canada France Redshift Survey

Astron. Astrophys. 277, 53–61 (1993)

ASTRONOMY AND ASTROPHYSICS

First results from a deep spectroscopic survey of faint red galaxies: clues on the nature of low redshift dwarf galaxies⋆

L. Tresse[1], F. Hammer[2], O. Le Fèvre[2], and D. Proust[1]

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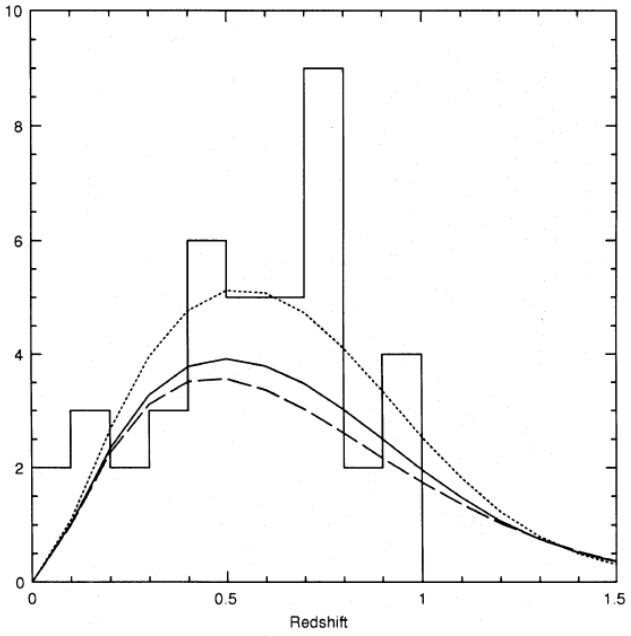
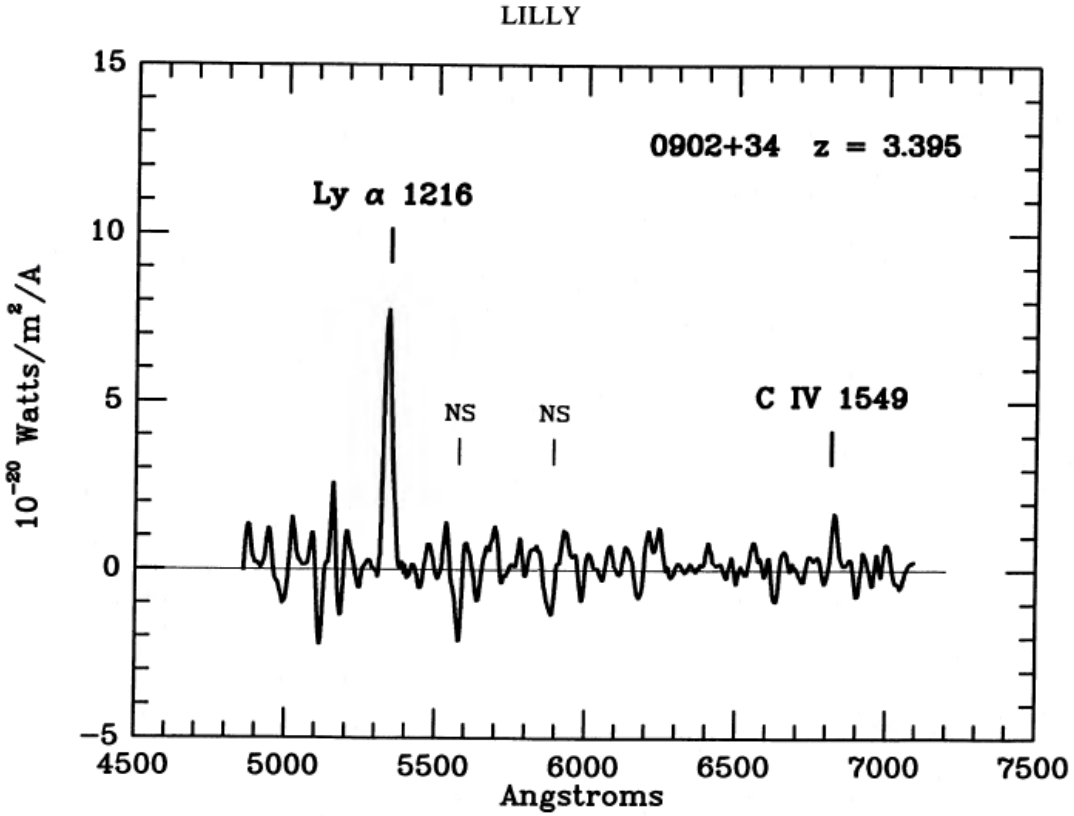
Received November 5, 1992; accepted March 15, 1993



Encountering other hunters of distant galaxies



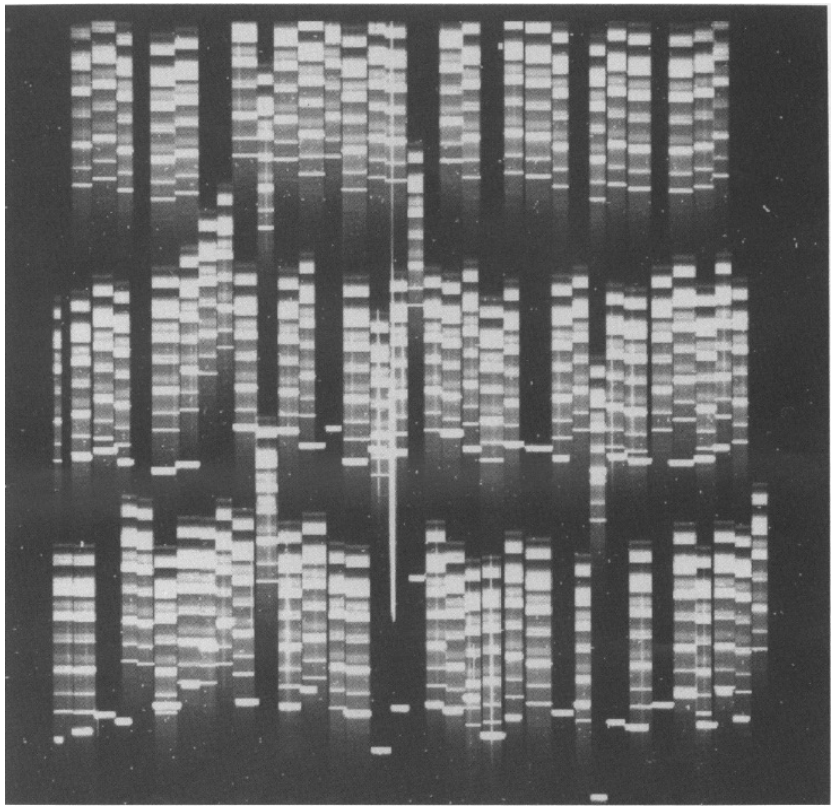
Then formation of the big team

Oxford, August 1990

– then flying to Hawaii

The Canada France Redshift Survey (1992-1999)

Team: David Crampton, François Hammer, Olivier Le Fèvre, and Simon Lilly

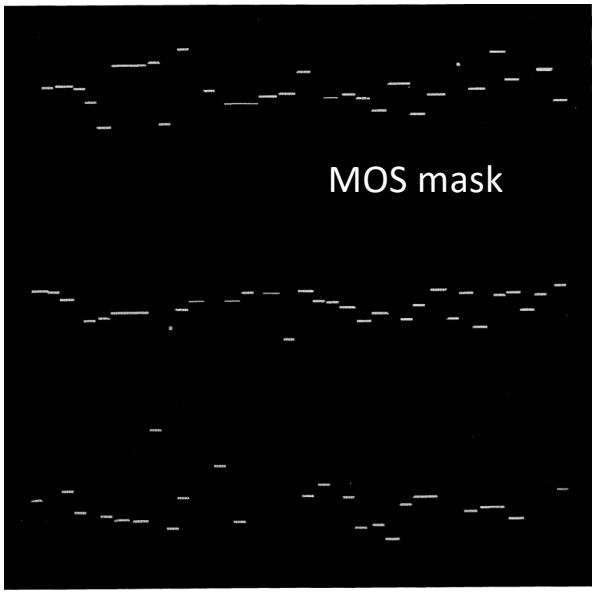


MOS spectra of CFRS galaxies (Le Fèvre et al. 1995)

- Early 90s, only few galaxies at z > 0.5 were known
- Advent of the Multi Object Spectrograph at the Canada France Hawaii Telescope
- Selection choice of galaxy targets at 814 nm (I band) allowing to sample 400 nm break ‘til z=1
- First ever made study of ~ 1000 galaxies having emitted their light 6 to 8 billion years ago

The Canada France Redshift Survey (1992-1999)

Team: David Crampton, François Hammer, Olivier Le Fèvre, and Simon Lilly

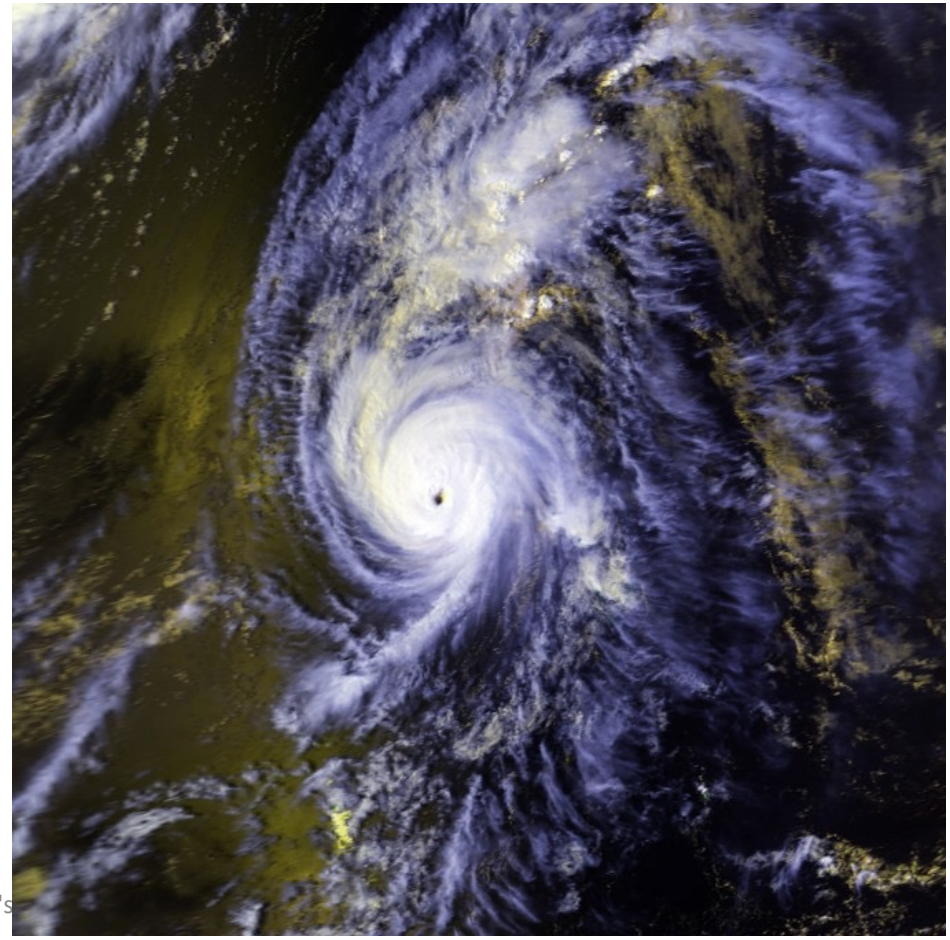


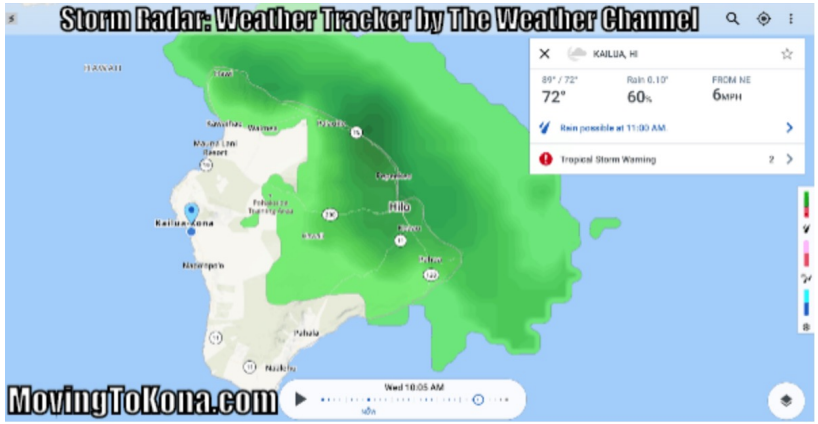
- 1000 galaxies, each spectrum analyzed by 3 members in parallel
- Debates and votes for attributing redshifts
- Make-up of the first analyzing tools for distant galaxies in imagery, photometry, spectrophotometry,
- The whole survey made in ~ 100 nights, by Olivier & I, and ~ 100 nights by David and Simon

The Canada France Redshift Survey (1992-1999)

Competition between French and Canadian teams: under the storm

Iniki: 1992





Olivier's

The Canada France Redshift Survey (1992-1999)

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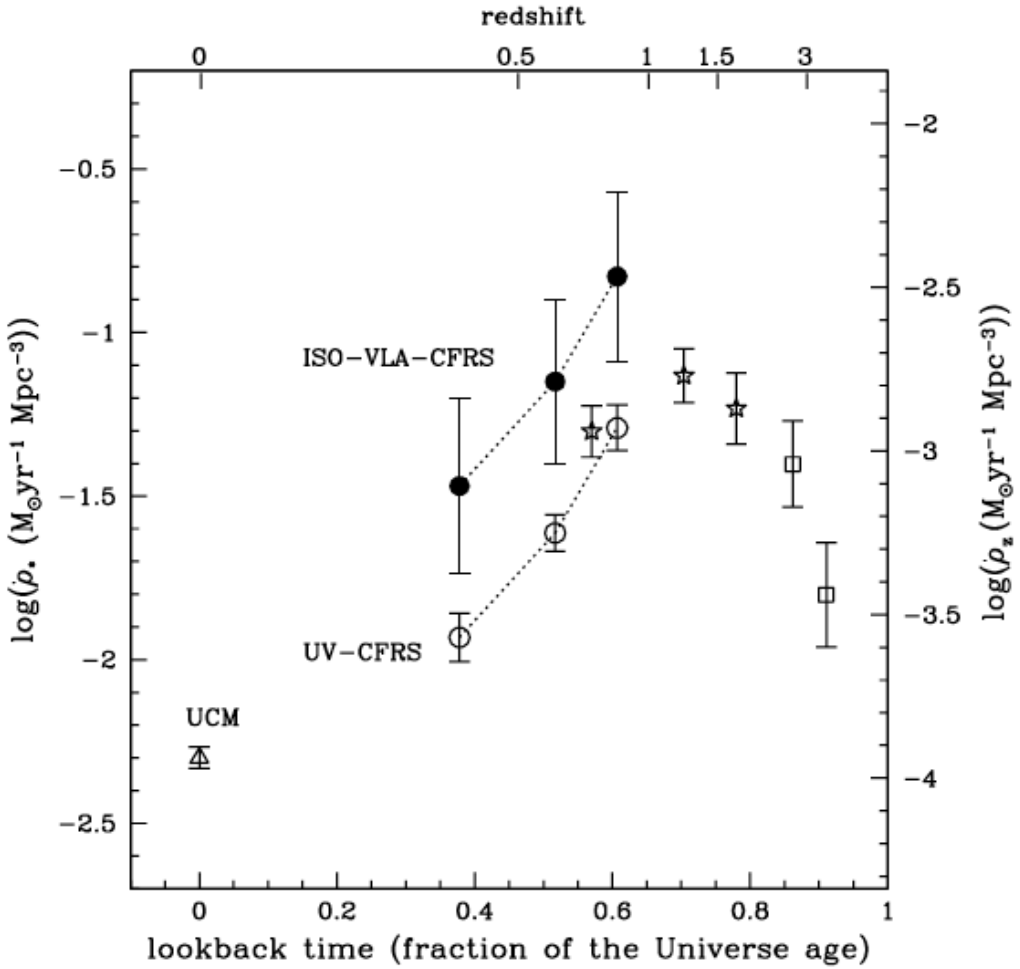

Evolution of the star formation density

- Star formation density of the Universe has decreased by a factor 10 since the last 8 billion years (z= 1)
- Confirmed in infrared by a follow up study with Infrared Space Observatory (ISO)
- Followed by numerous pionnering studies of star formation rates, metallicities, morphologies, kinematics of distant galaxies

The Canada France Redshift Survey (1992-1999)

THE ASTROPHYSICAL JOURNAL, 464:79–91, 1996 June 10

CANADA-FRANCE REDSHIFT SURVEY. XI. MORPHOLOGY OF HIGH-REDSHIFT FIELD GALAXIES FROM HIGH-RESOLUTION GROUND-BASED IMAGING

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Received 1995 September 7; accepted 1996 January 8

Space Telescope, large programs on distant galaxies towards larger collaborations, e.g., Ellis et al.

THE ASTROPHYSICAL JOURNAL, 499:112–133, 1998 May 20

HUBBLE SPACE TELESCOPE IMAGING OF THE CFRS AND LDSS REDSHIFT SURVEYS. I. MORPHOLOGICAL PROPERTIES[1]

JARLE BRINCHMANN,[2] ROBERTO ABRAHAM,[2] DAVID SCHADE,[3] LAURENCE TRESSE,[2] RICHARD S. ELLIS,[2] SIMON LILLY,[2,4]
OLIVIER LE FÈVRE,[5,7] KARL GLAZEBROOK,[6] FRANÇOIS HAMMER,[7] MATTHEW COLLESS,[8]
DAVID CRAMPTON,[3] AND TOM BROADHURST[9]
Received 1997 August 8; accepted 1998 January 5

VIMOS

FLAMES/GIRAFFE

VIMOS

FLAMES/GIRAFFE

X-SHOOTER

EUCLID

VIMOS

FLAMES/GIRAFFE

X-SHOOTER

EUCLID

OPTIMOS-DIORAMAS

OPTIMOS-EVE

VIMOS

FLAMES/GIRAFFE

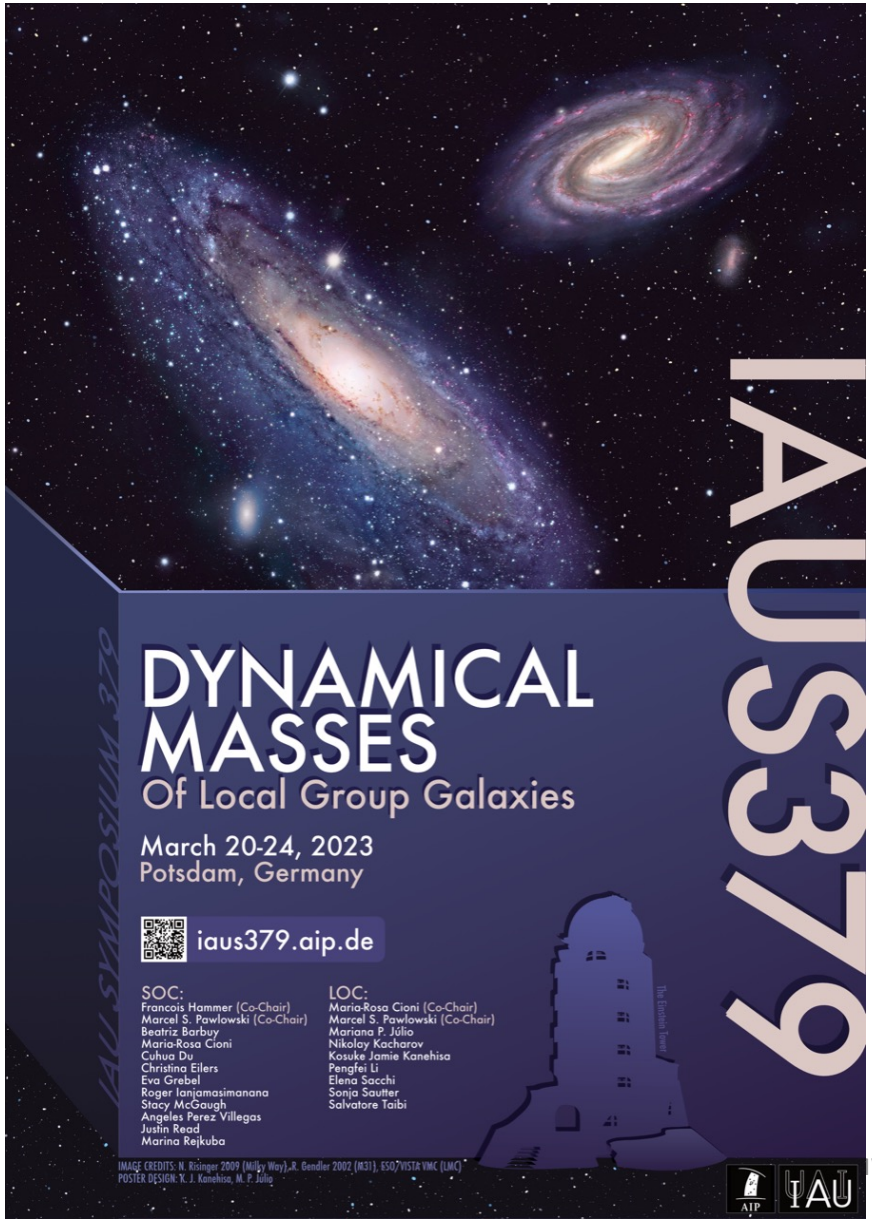
X-SHOOTER

EUCLID

OPTIMOS-DIORAMAS

OPTIMOS-EVE

MOSAIC



Please save the date,
20-24 March 2023