

High S/N Templates – $0 < z < 1$

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Produce high S/N templates from VVDS spectra

→ increase KBRED efficiency for z measurements

Advantages:

- high S/N
- same resolution
- same instrumental setup

Selection criteria:

- $0.00 < z < 1.00$
- quality flag = 3 and 4
- cross-checked redshifts (Nov 1st 03)
- no broad-line AGN

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Pointings used:

- 4 CDFS 002/003/004/005
- 12 F02P017/18/19/20/27/28/38/40/42/50/51/53
- 4 F10P028/40/42/54
- 12 F22P007/17/19/21/29/31/33/41/43/45/53/55

« Morphological » types using colours:

- Elliptical
- Early-type Spiral (Sbc)
- Late-type Spiral (Scd)
- Irregular

Four redshift bins:

- $0.00 < z < 0.25$
- $0.25 < z < 0.50$
- $0.50 < z < 0.75$
- $0.75 < z < 1.00$

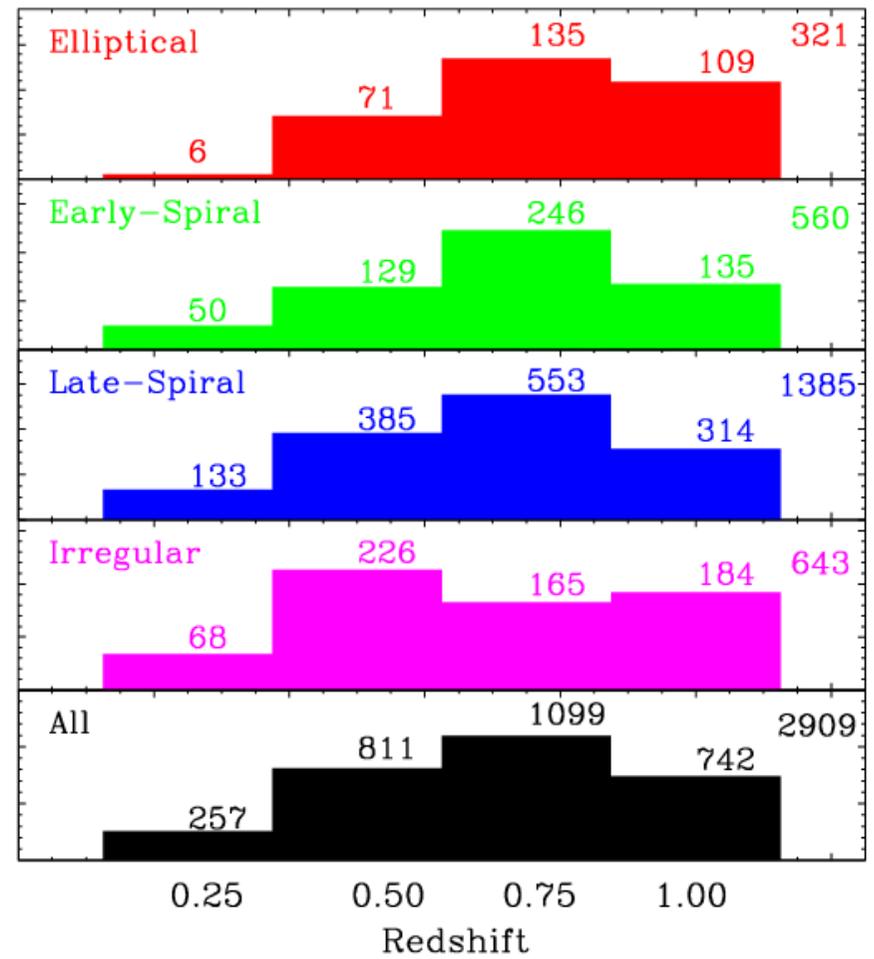
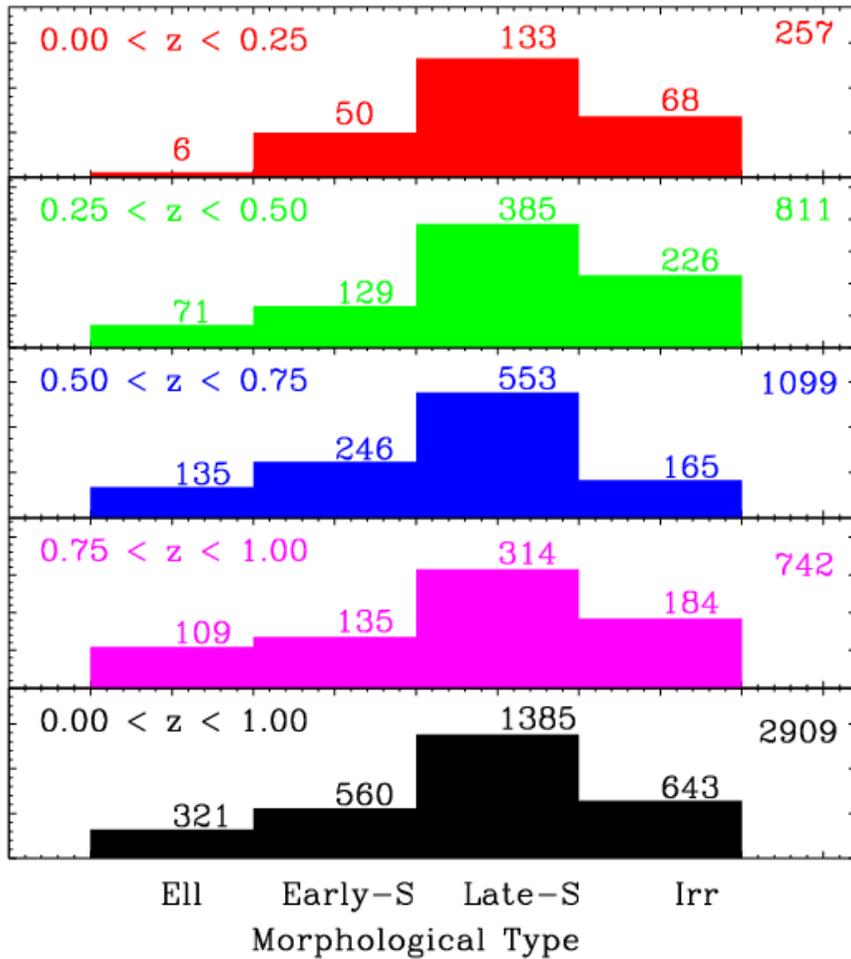
Spectra combined with:

- IRAF tasks *dopcor* & *scombine*
- scaling & weighting using cont.

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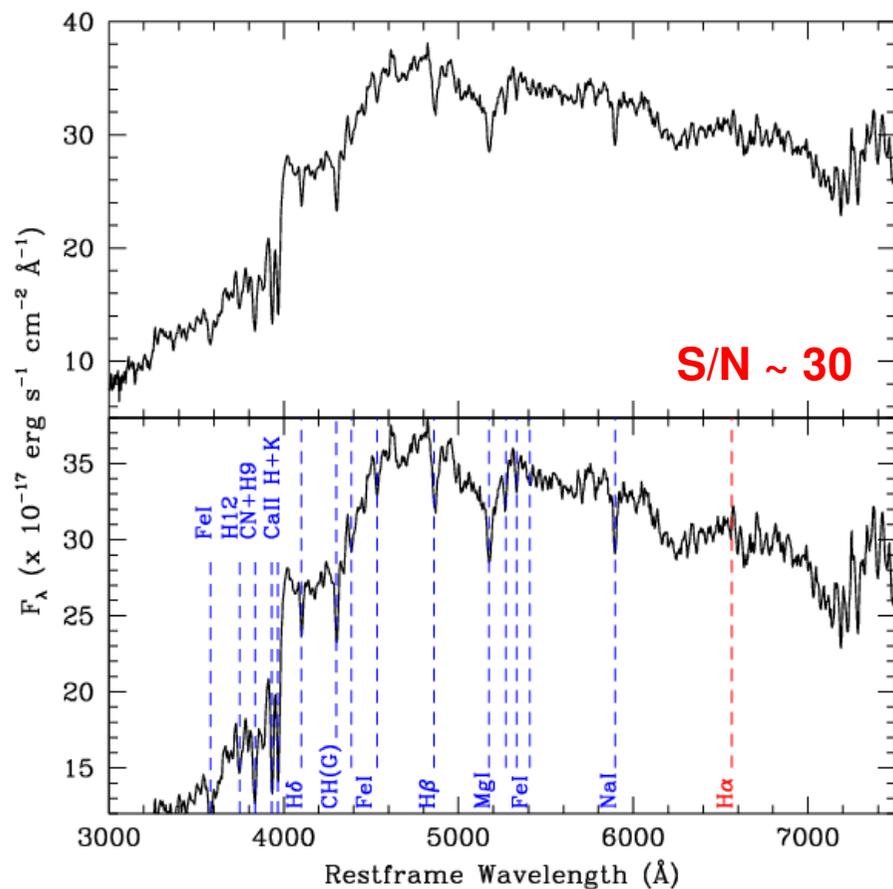
z	λ range	Ell	Early-S	Late-S	Irr	Total
0.00 - 0.25	4420-9090	6	50	133	68	257
		3	19	52	26	9
		30	50	130	60	
0.25 - 0.50	3680-7590	71	129	385	226	811
		9	16	47	28	28
		40	70	150	100	
0.50 - 0.75	3150-6320	135	246	553	165	1099
		13	22	50	15	38
		30	50	100	50	
0.75 - 1.00	2760-5420	109	135	314	184	742
		15	18	42	25	25
		20	30	40	40	
Total	2760-9090	321	560	1385	643	2909
		11	19	48	22	100
		30	60	80	60	80

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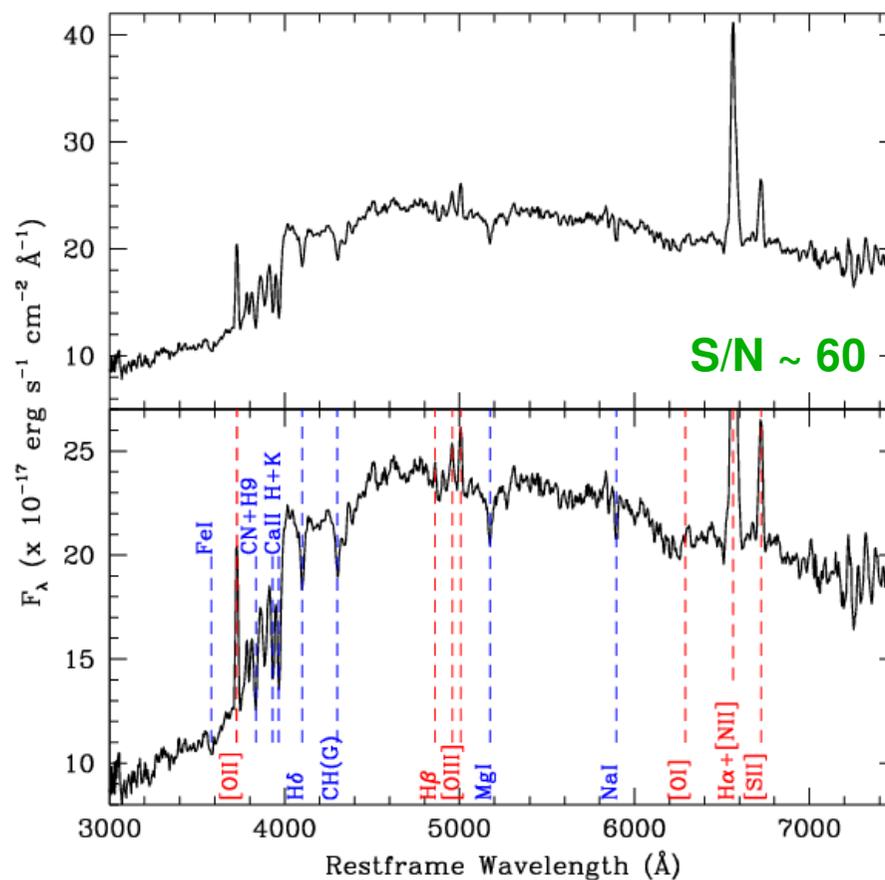


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Elliptical

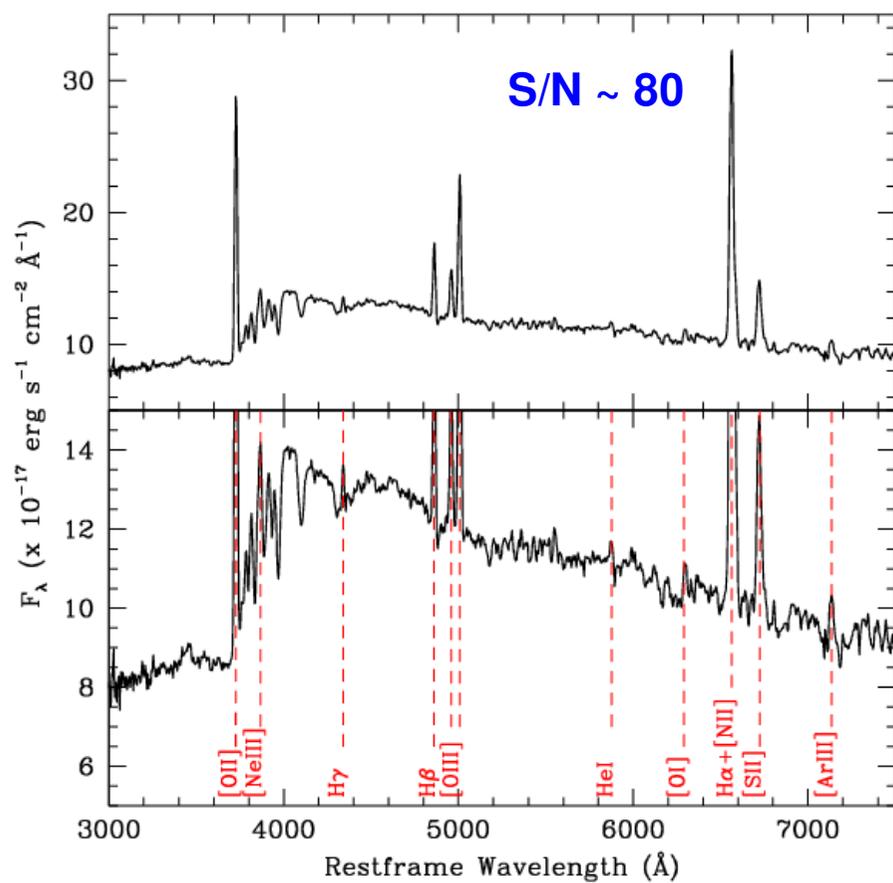


Early-type Spiral (Sbc)

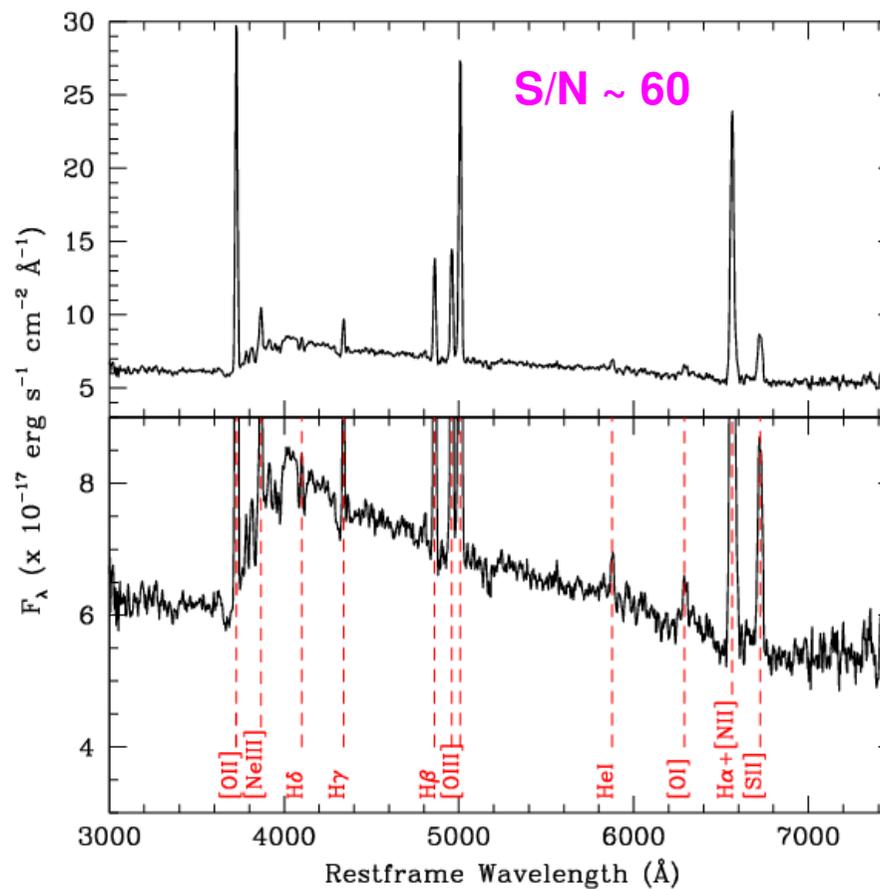


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Late-type Spiral (Scd)

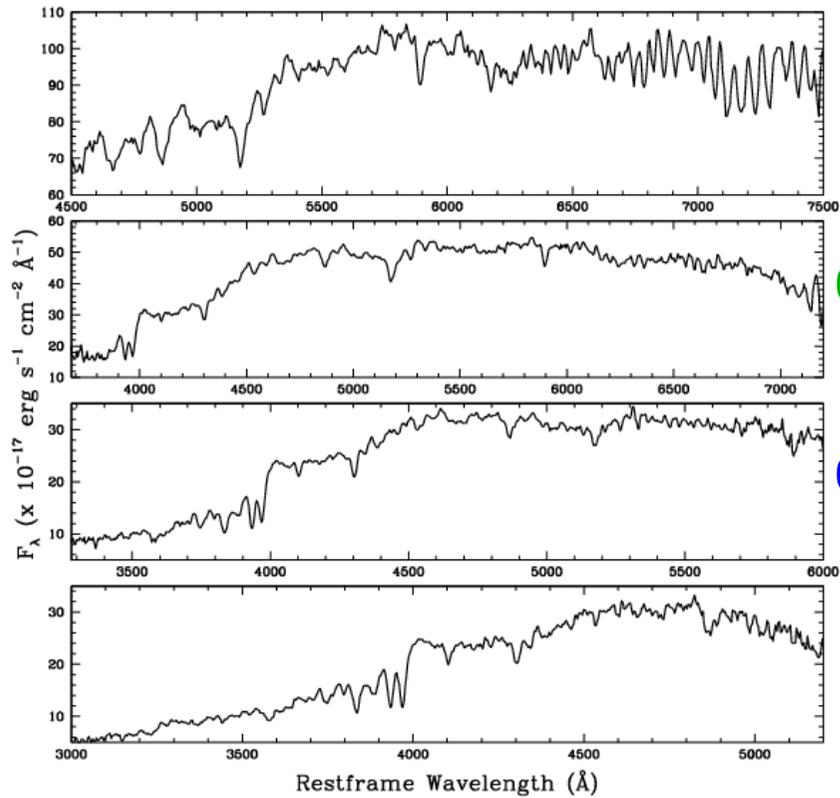


Irregular

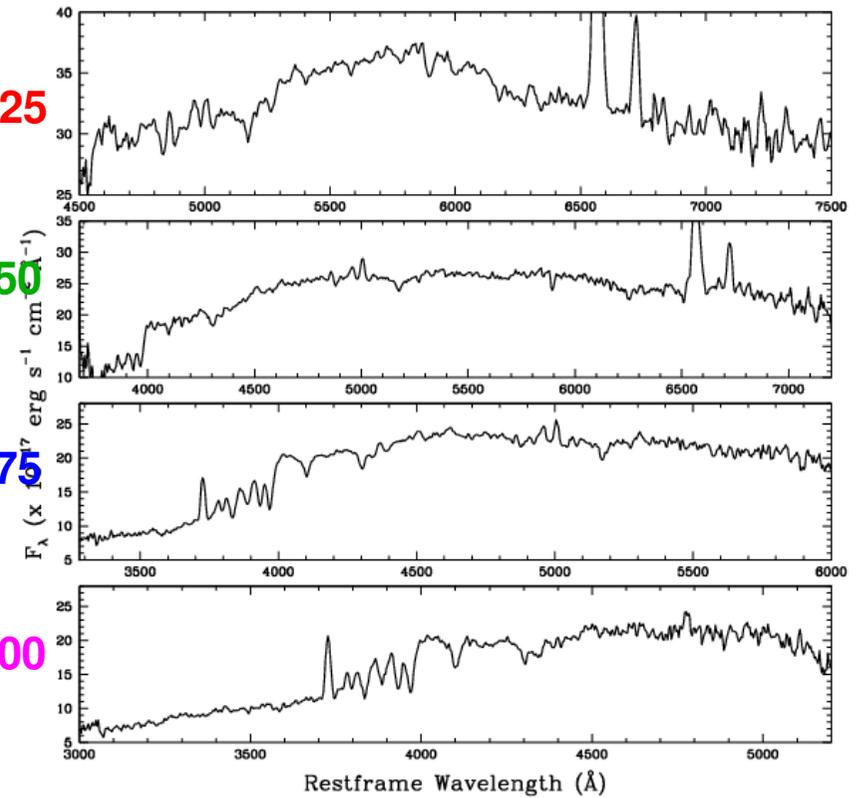


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Elliptical

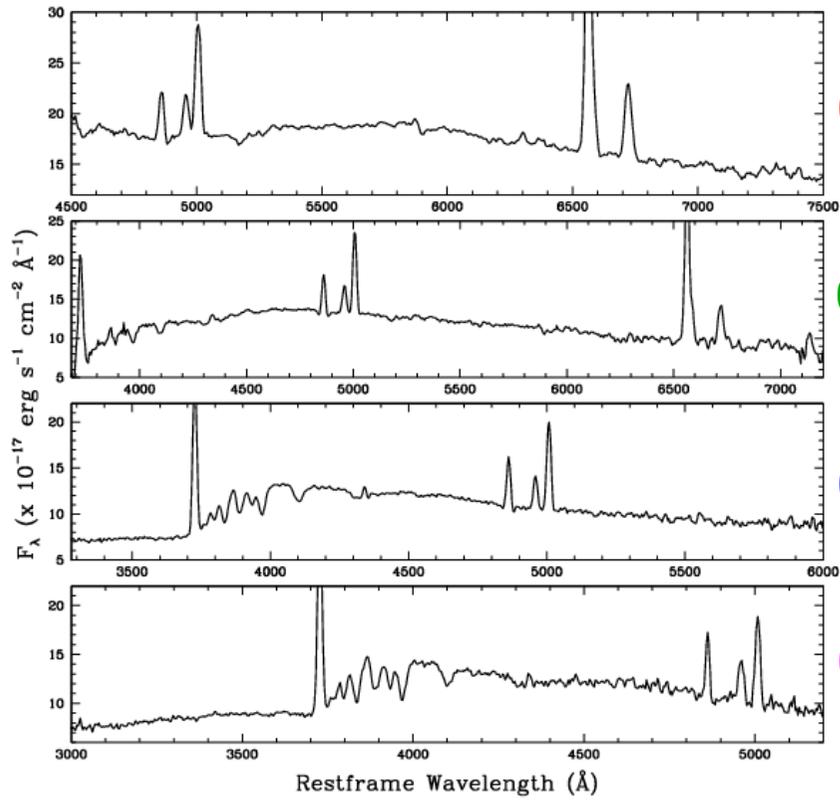


Early-type Spiral (Sbc)



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Late-type Spiral (Scd)



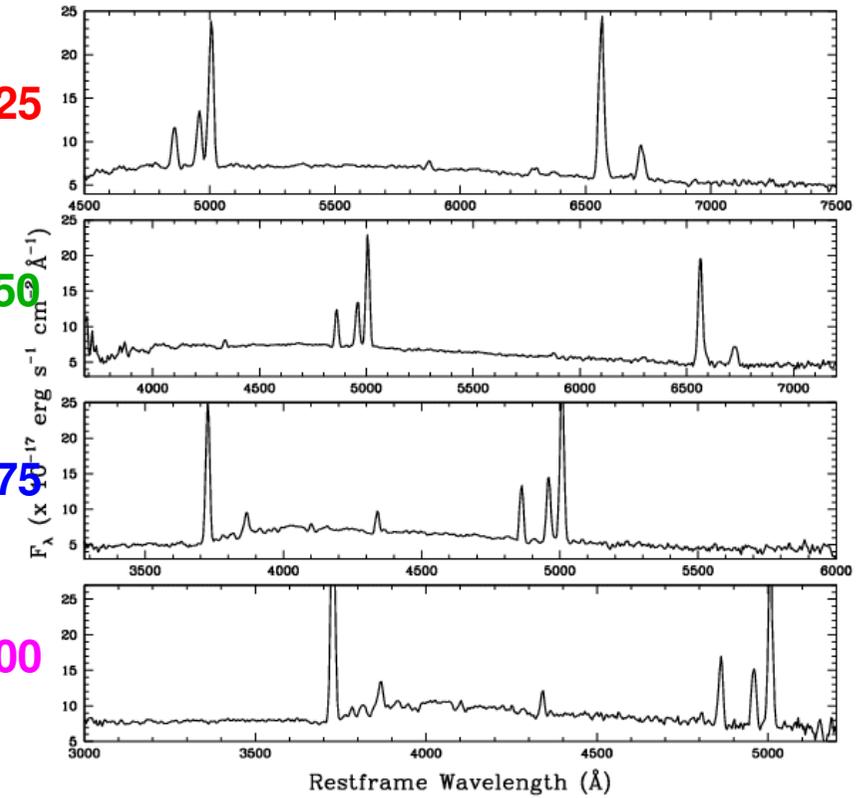
$0.00 < z < 0.25$

$0.25 < z < 0.50$

$0.50 < z < 0.75$

$0.75 < z < 1.00$

Irregular



$0.00 < z < 0.25$

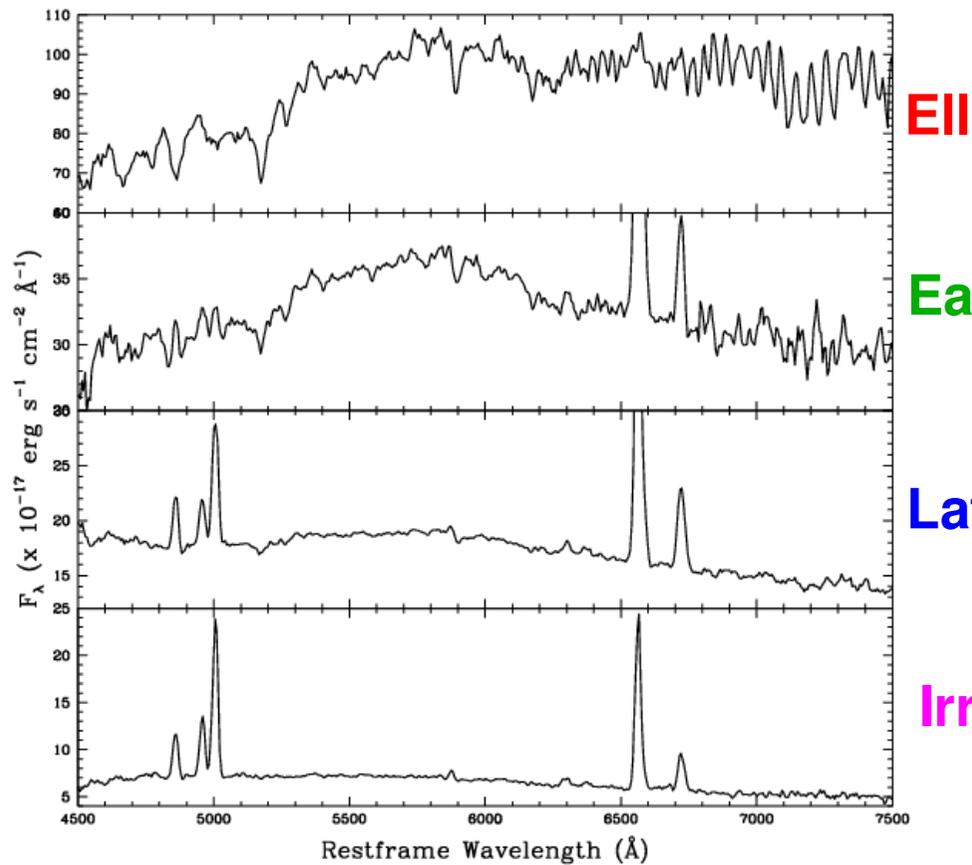
$0.25 < z < 0.50$

$0.50 < z < 0.75$

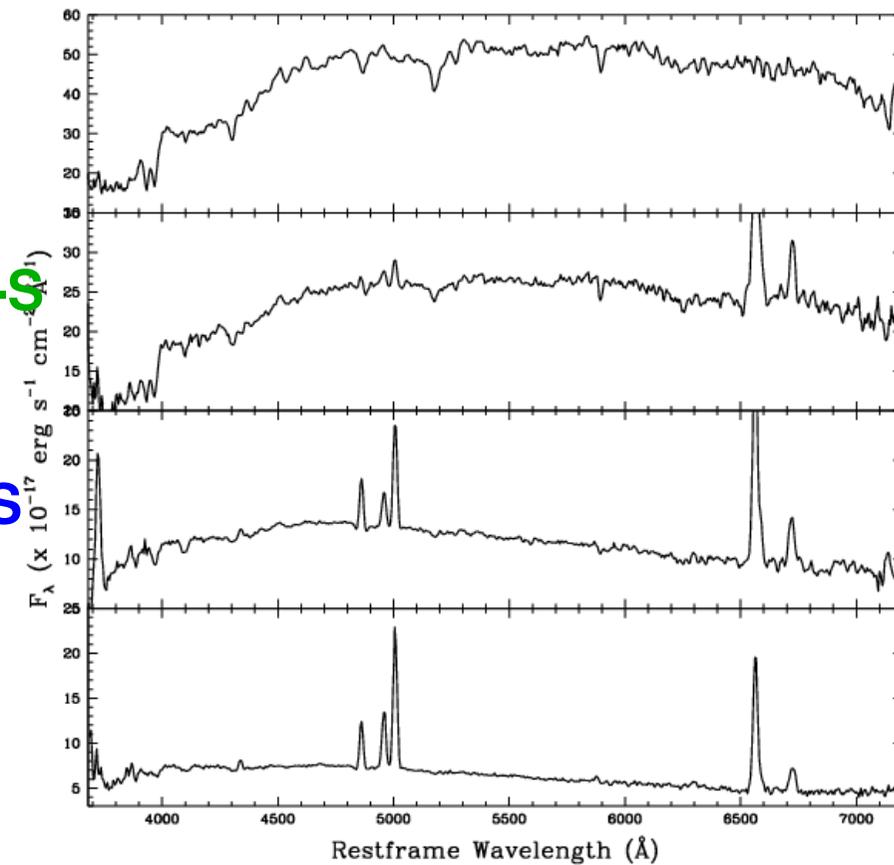
$0.75 < z < 1.00$

High S/N Templates – $0 < z < 1$

$0.00 < z < 0.25$

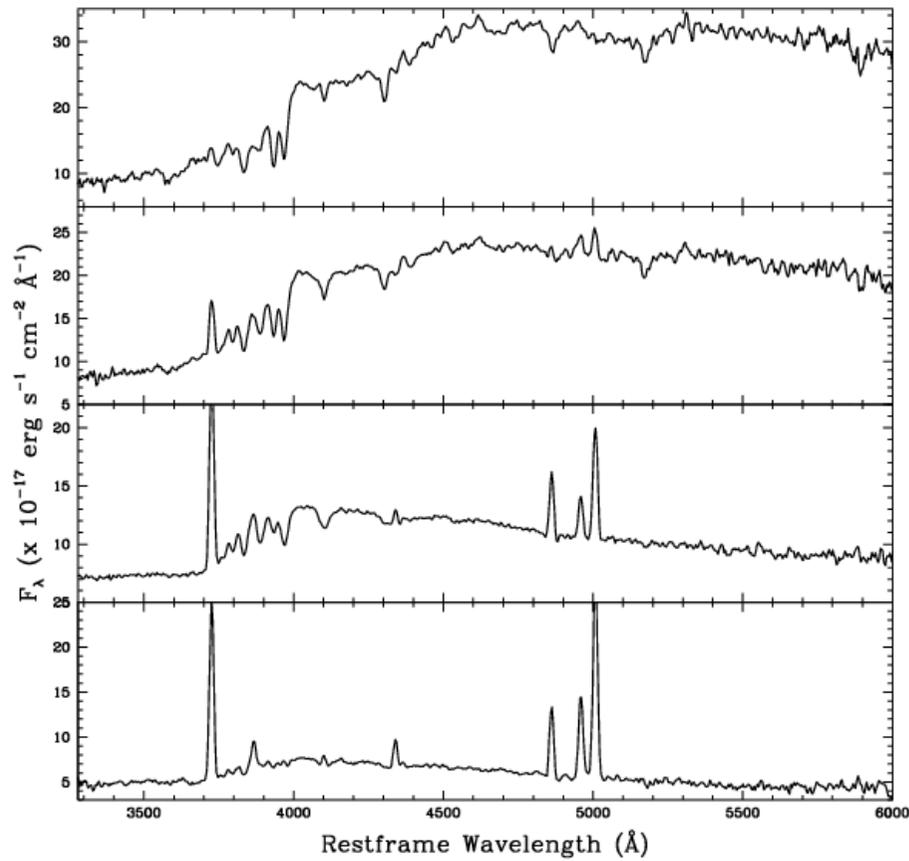


$0.25 < z < 0.50$



High S/N Templates – $0 < z < 1$

$0.50 < z < 0.75$



$0.75 < z < 1.00$

