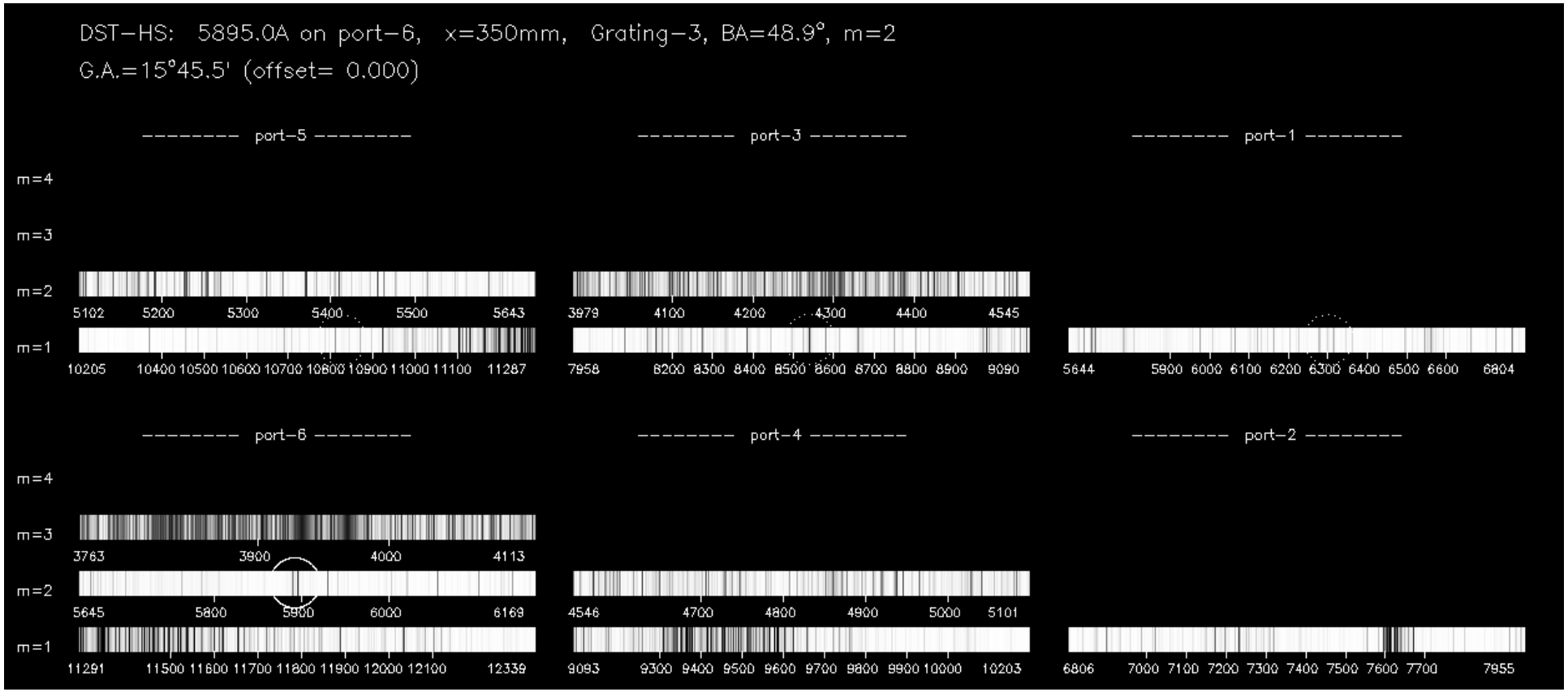
スペクトル線

赤は場所確認済み

Set up 1

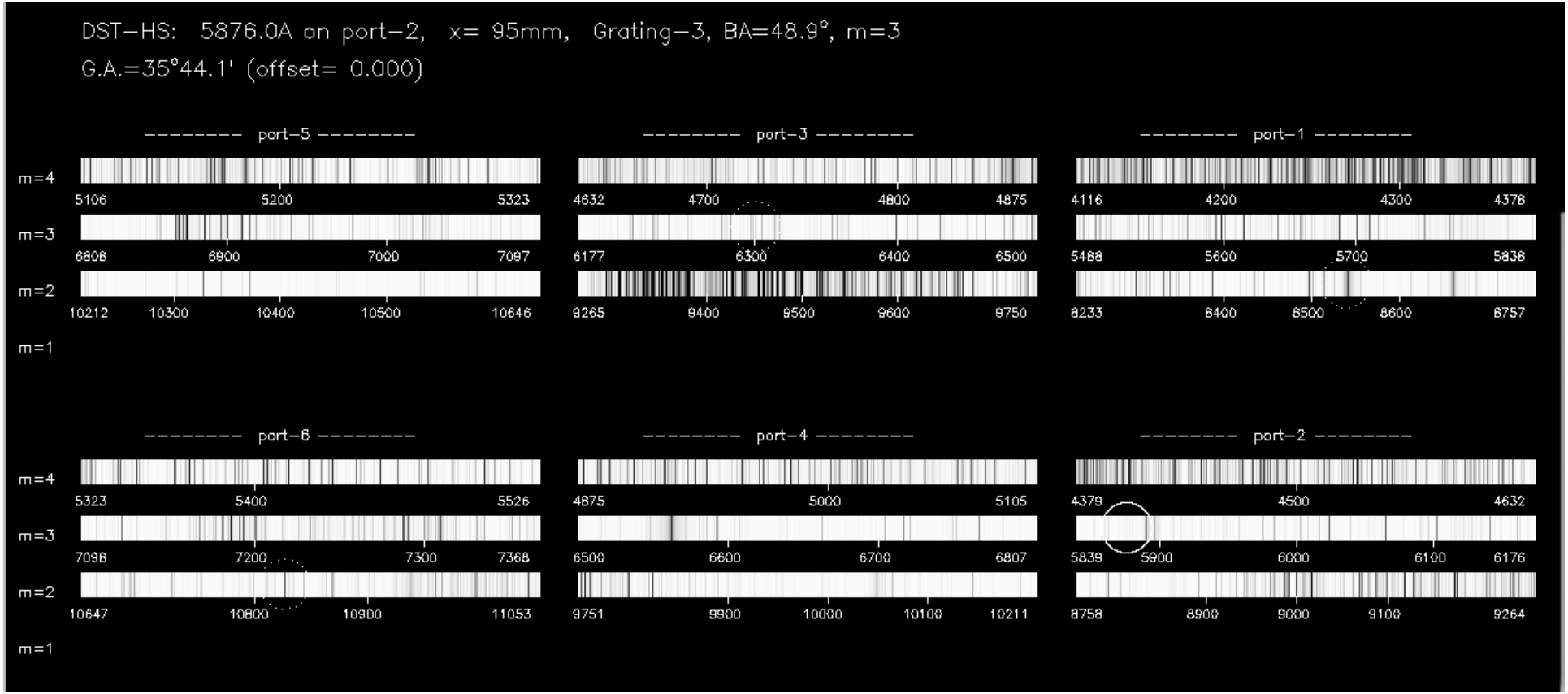
- Grating 3, 15°35.5’
  - Na D 5895Å, order 2, port 6, x 350 mm
  - Fe 6303Å, order 1, port 1, x 416 mm
  - Ca 8542Å, order 1, port 3, x 379 mm
  - He 10830Å, order 1, port 5, x 421 mm

波長サンプリング悪い



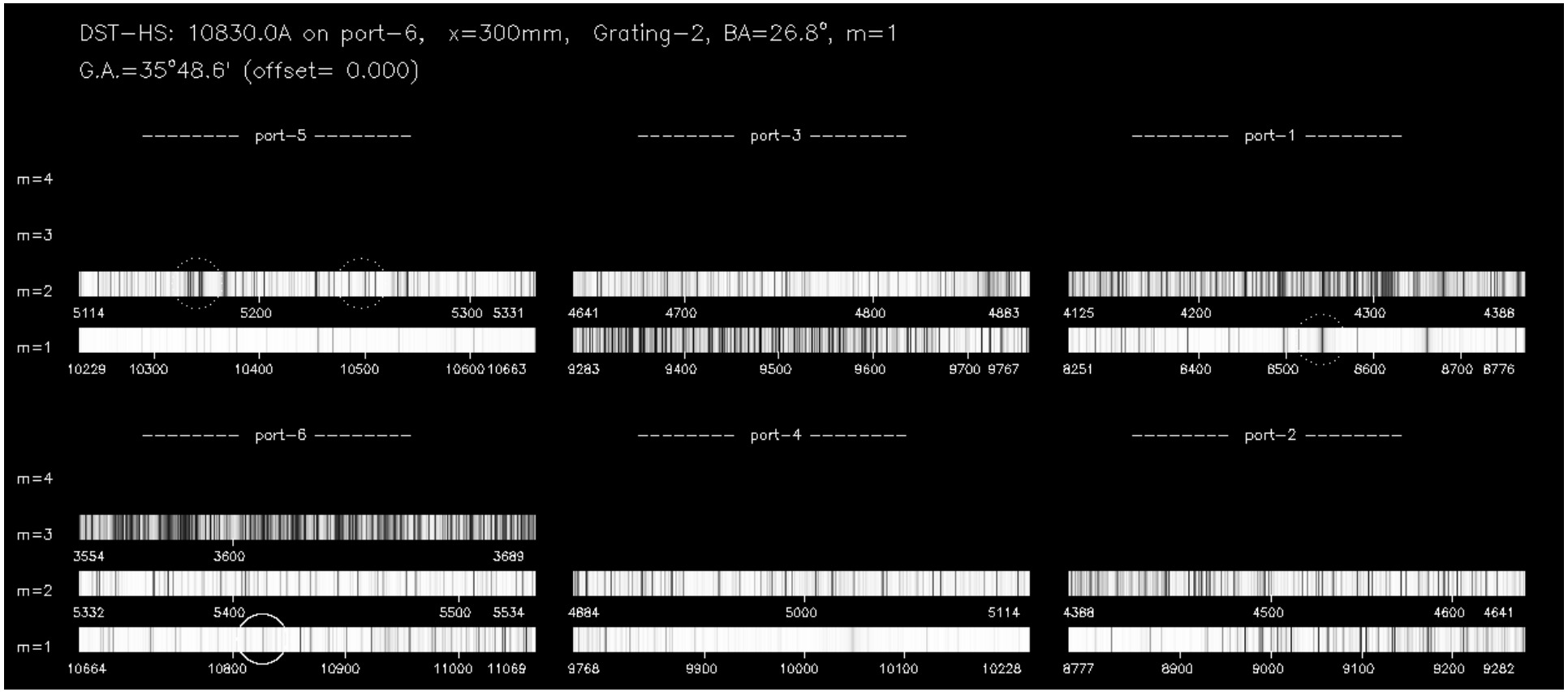
Set up 2

- Grating 3, 35°45’
  - Na D 5895Å, order 3, port 2, x 155 mm反射率悪い
  - Fe 6303Å, order 3, port 3, x 300 mm反射率悪い
  - Ca 8542Å, order 2, port 1, x 468 mm
  - He 10830Å, order 2, port 6, x 346 mm



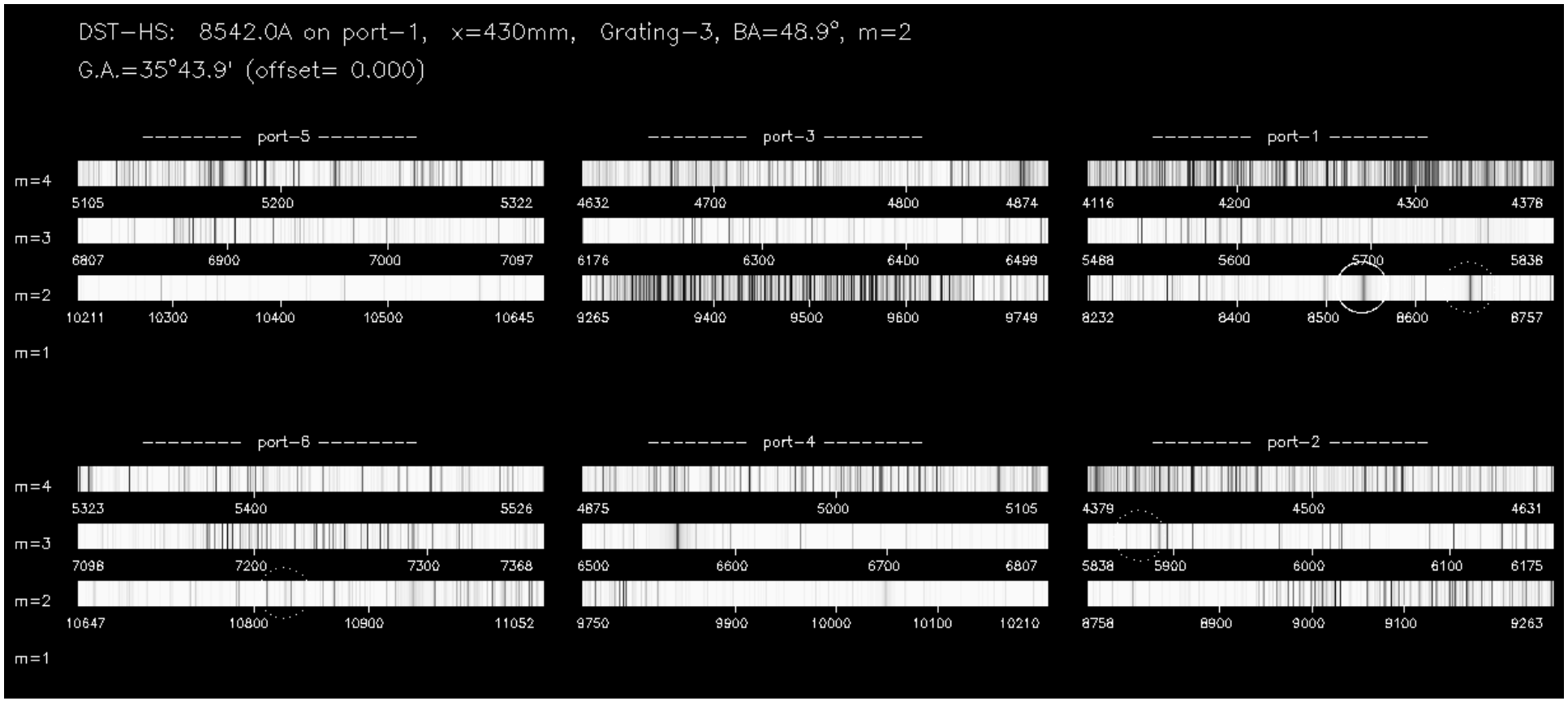
Set up 3

- Grating 2, 35°48.6’
  - Mg b 5172Å, order 2, port 5, x 225 mm
  - Fe 5250Å, order 2, port 5, x 500 mm
  - Ca 8542Å, order 1, port 1, x 390 mm
  - He 10830Å, order 1, port 6, x 333 mm



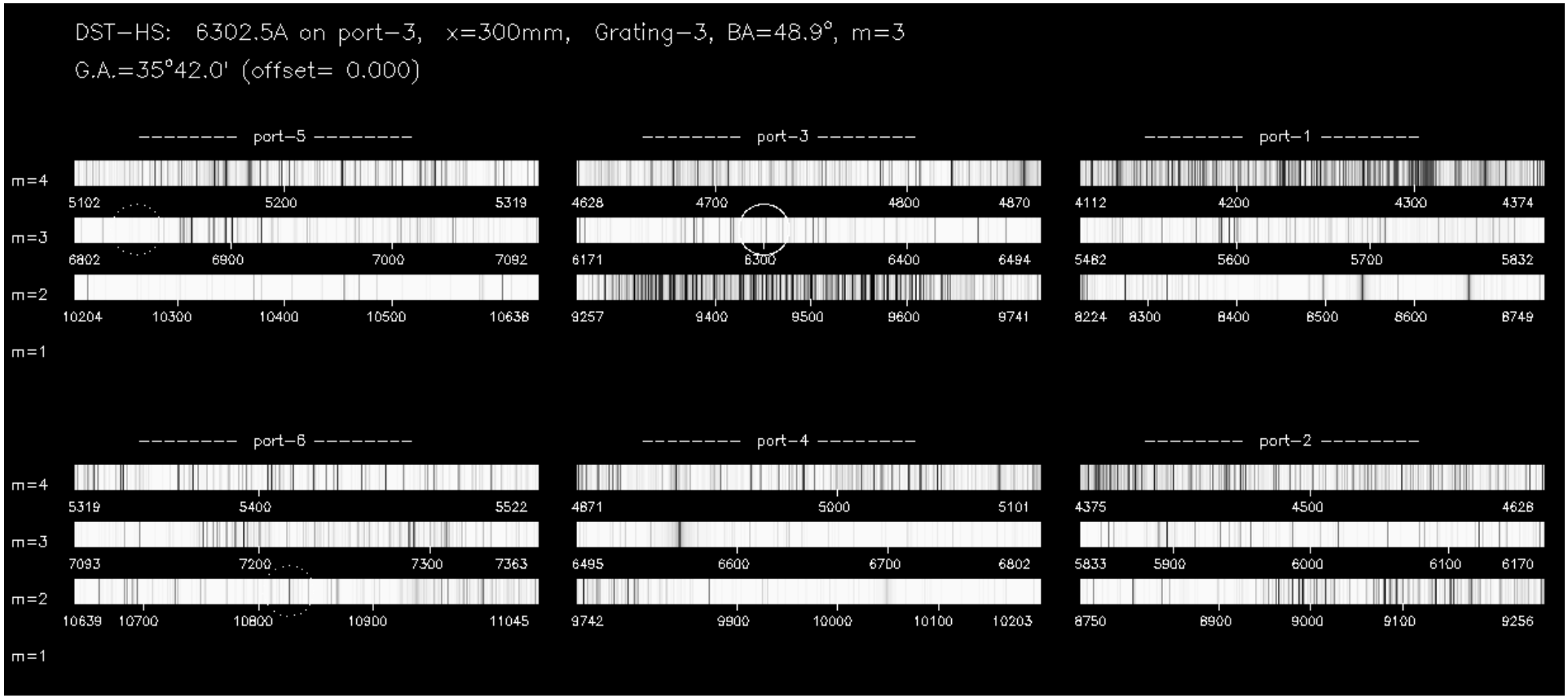
Set up 4 prominence

- Grating 3, 35°43.9’
  - He 5876Å, order 3, port 2, x 95 mm
  - Ca 8662Å, order 2, port 1, x 591 mm
  - Ca 8542Å, order 2, port 1, x 430 mm
  - He 10830Å, order 2, port 6, x 329 mm



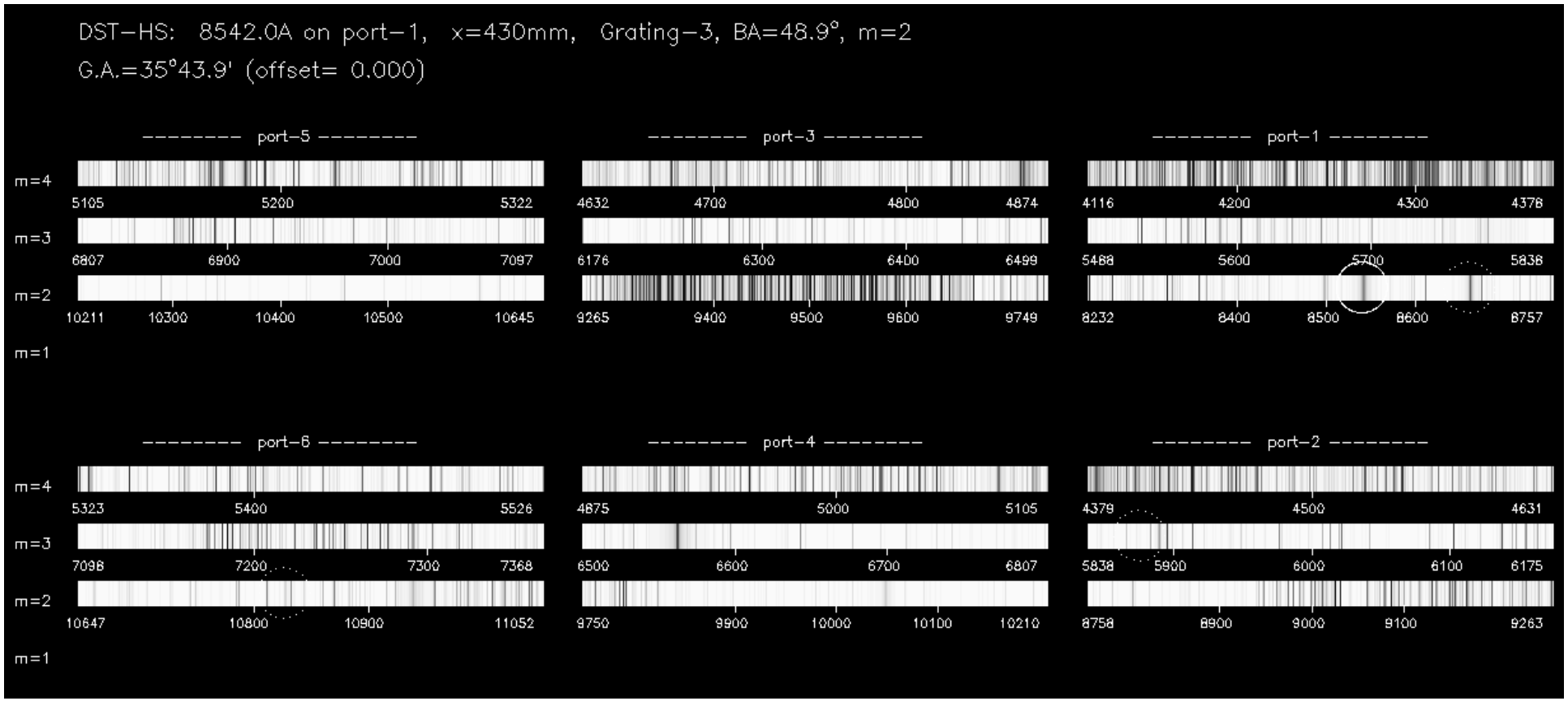
Set up 5 low atmos

- Grating
  - Fe 5250Å, port=5, x=?, m=4
  - Fe 6302Å, port=3, x=300, m=3
  - Fe 6842Å, port=5, x=111, m=3
  - He 10830Å, port=6, x=341, m=2



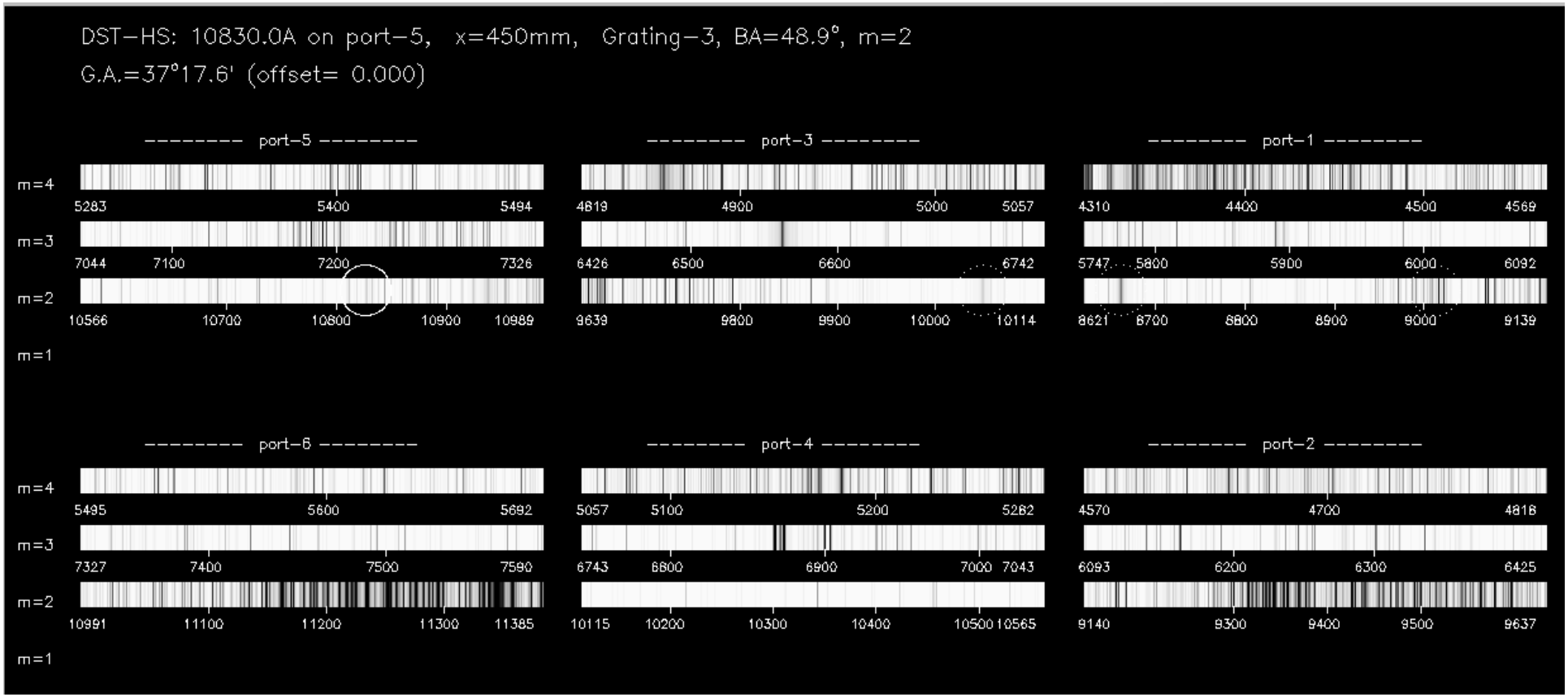
Set up ?

- Grating 3, 35°02’
  - Na 5890Å, order 3, port 2, x 405 mm
  - Ca 8542Å, order 2, port 1, x 650 mm
  - He 10830Å, order 2, port 6, x 624 mm



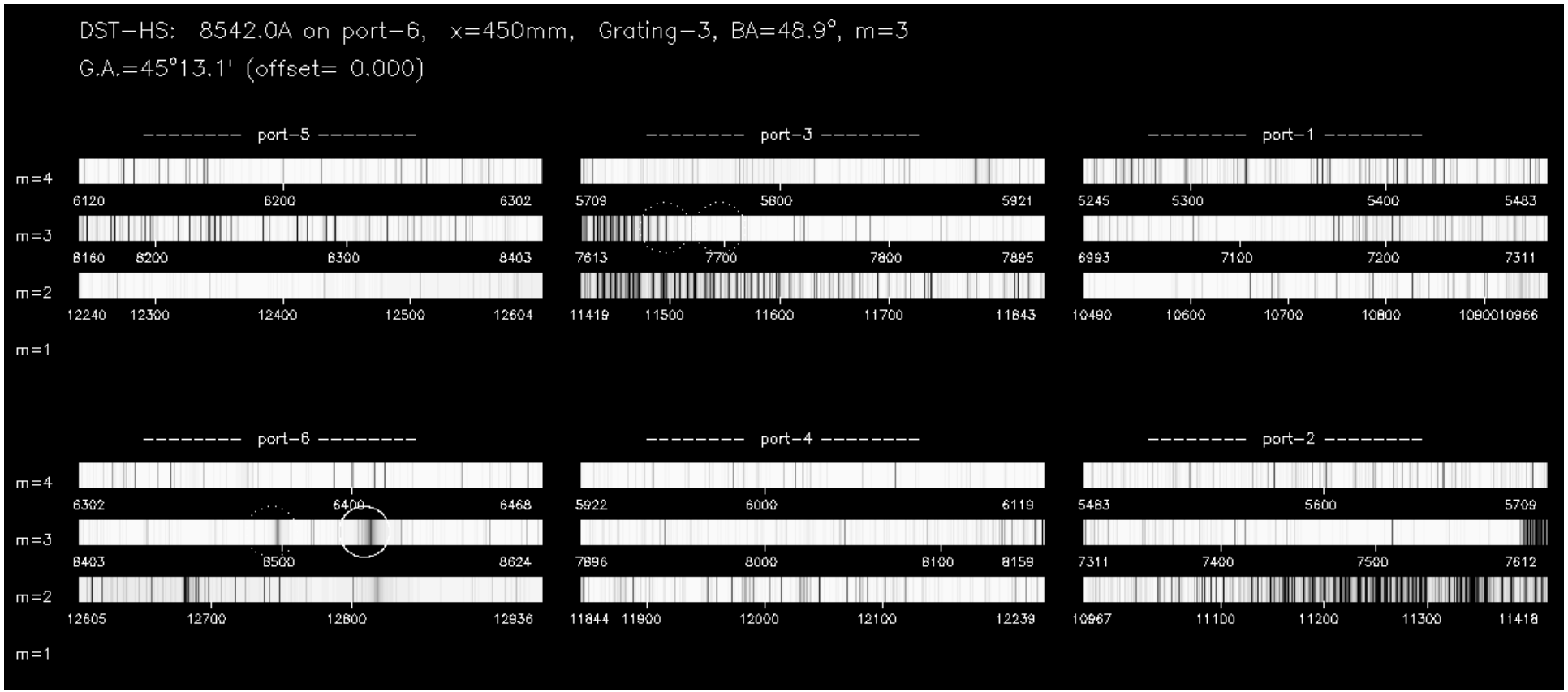
Set up Electric field

- Grating 3, 37°17’
  - Ca 8662Å, order 2, port 1, x 73 mm
  - H 9014Å, order 2, port 1, x 548 mm
  - H 10050Å, order 2, port 3, x 623 mm
  - He 10830Å, order 2, port 5, x 450 mm



Set up SunriseⅢ/SCIP

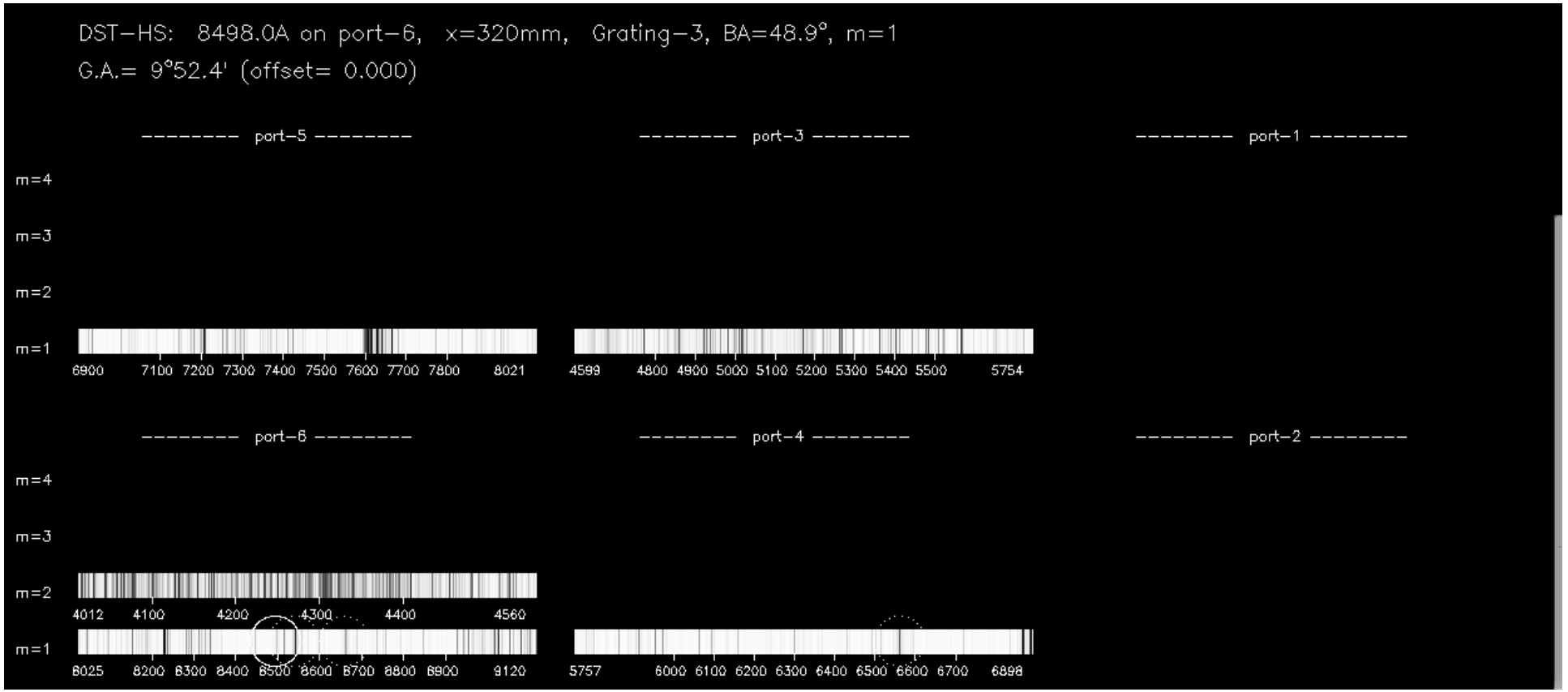
- Grating 3, 45°13’
  - K 7665Å, order 3, port 3, x 144 mm
  - K 7699Å, order 3, port 3, x 227 mm
  - Ca 8498Å, order 3, port 6, x 310 mm
  - Ca 8542Å, order 3, port 6, x 450 mm



フレア

- Grating 3, 9°56’
  - Ca 8498Å & 8542Å, order 1, port 6, x 320 mm
  - Ca 8662Å, order 1, port 6, x 435 mm
  - H 6563Å, order 1, port 4, x 520 mm

UG3, RG780, UTF32のフィル



Line	Å:W	g_{eff}	B (10^{-4}) *1)	Scat.pol.*2)	B_{Hanle} *3)	FWHM*4)	notes
He I	10830	1.50	335 G	0.27	16	560 mA	
Si I	10827					450 mÅ	
H I	10050						P7
H I	9229						P9, Blending
H I	9014						P10
Ca II	8662	0.83	44 G	0.00		600 mÅ	
Ca II	8542	1.10	32 G	0.02		600 mÅ	
Ca II	8498	1.07	40 G	0.32		600 mÅ	
O I	7775					180 mÅ	
O I	7774					220 mÅ	
O I	7772					220 mÅ	
He I	7065						
He I							
H I	6562	1.00	140	0.29		1100 mÅ	Hα, Large Dop. w

*1) LOS field strength to create V/I = 10^{-4}
*2)
*3) $B=2.5\times10^{-6}\,A/g_u$

Line	Å	g_{eff}	B (10^{-4}) *1)	Scat.pol.*2)	B_{Hanle} *3)	FWHM*4)	notes
Fe I	6302					120 mÅ	ひので21.5mÅサンプル
Fe I	6301					150 mÅ	
Na I	5896	1.33	10	0.0		450 mÅ	D1
Na I	5890	1.17	12	0.5		610 mÅ	D2
He I	5876	1.17		0.34	211		D3
Fe I	5250	3.00				110 mÅ	
Mg I	5183	1.25	38	0.01			Low form.height
Mg I	5172	1.75	14	0.25			
Mg I	5167	2.00	14	1.00			
H I	4861	1.00	97	0.29		830 mÅ	Hβ
H I	4340	1.00	97	0.29		550 mÅ	Hγ
H I	4102	1.00	97	0.29		740 mÅ	Hδ
Ca II	3968	1.33	97	0.0			H
Ca II	3933	1.17	130	0.5			K

*1) LOS field strength to create V/I = 10^{-4}
*2)
*3)
*4) Sac Peak Solar Flux Atlas by Kurucz et al.(1984)

フレア

- Grating 3, 45°45’
  - Ca 8498Å, order 3, port 6, x 100 mm
  - Ca 8542Å, order 3, port 6, x 237 mm
  - Ca 8662Å, ord rt 6, x 6
  - He 10830Å,