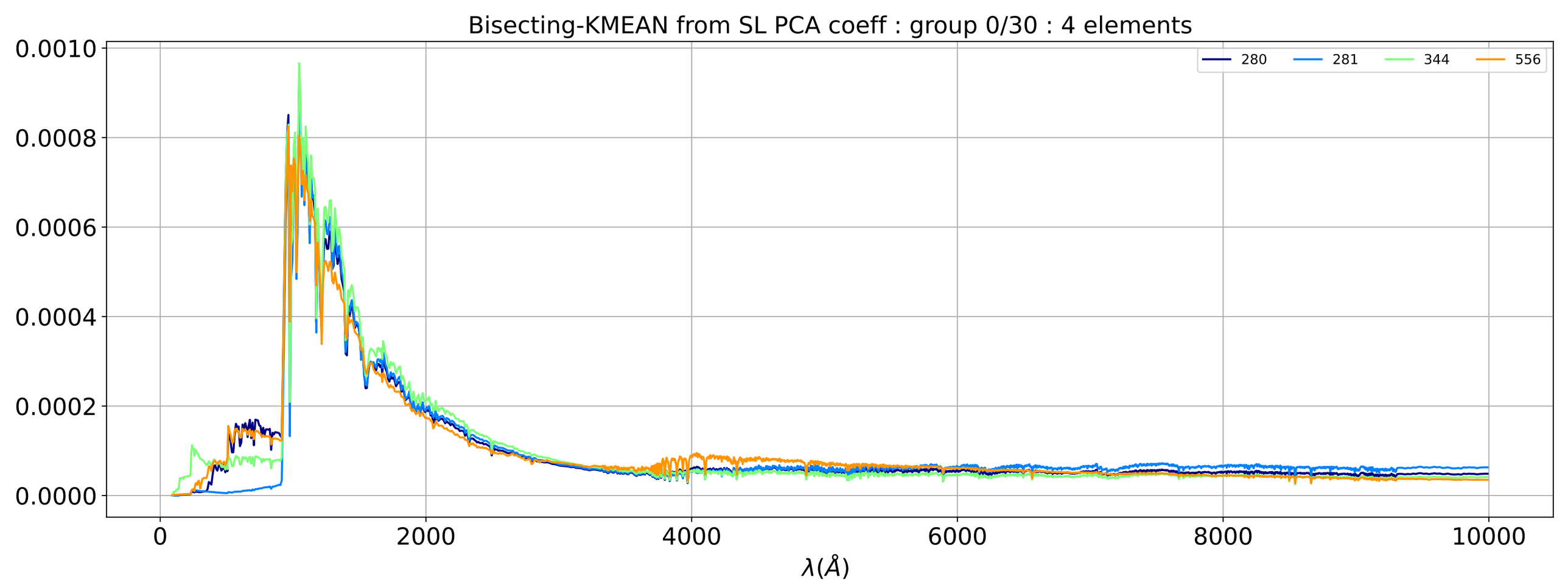
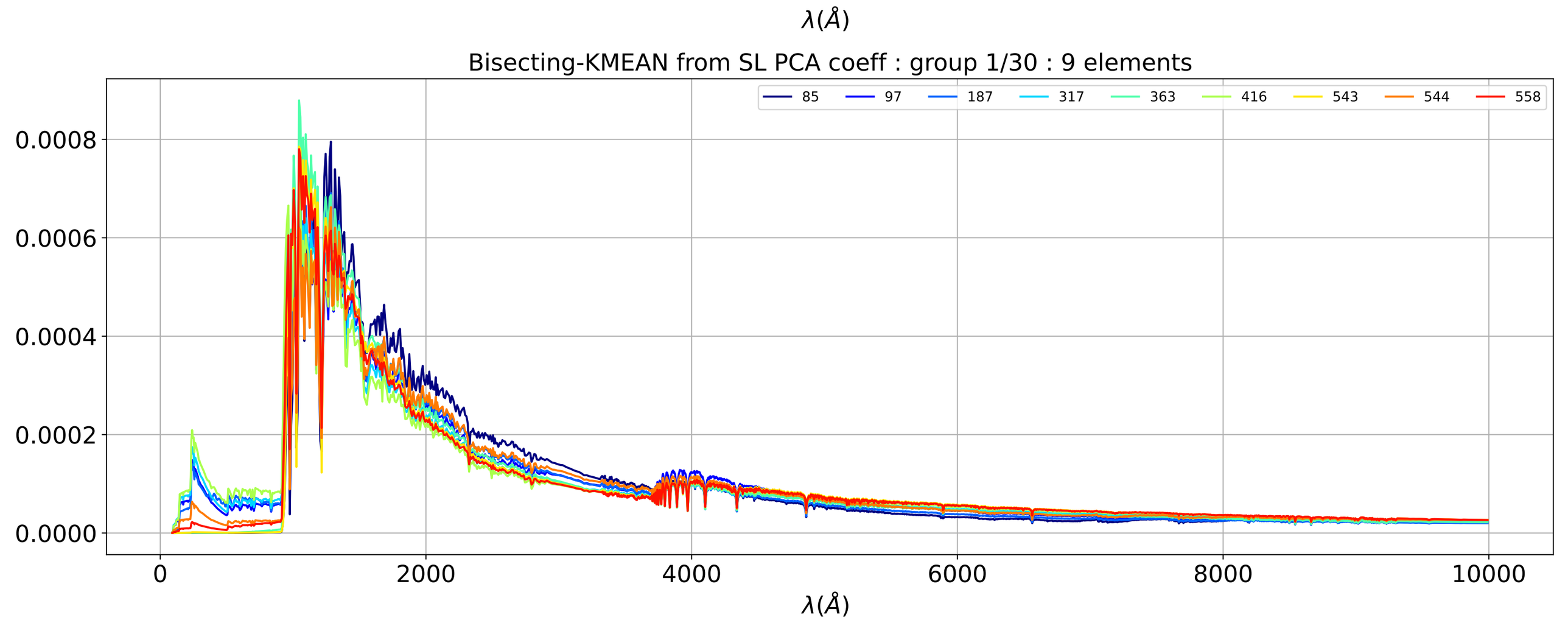
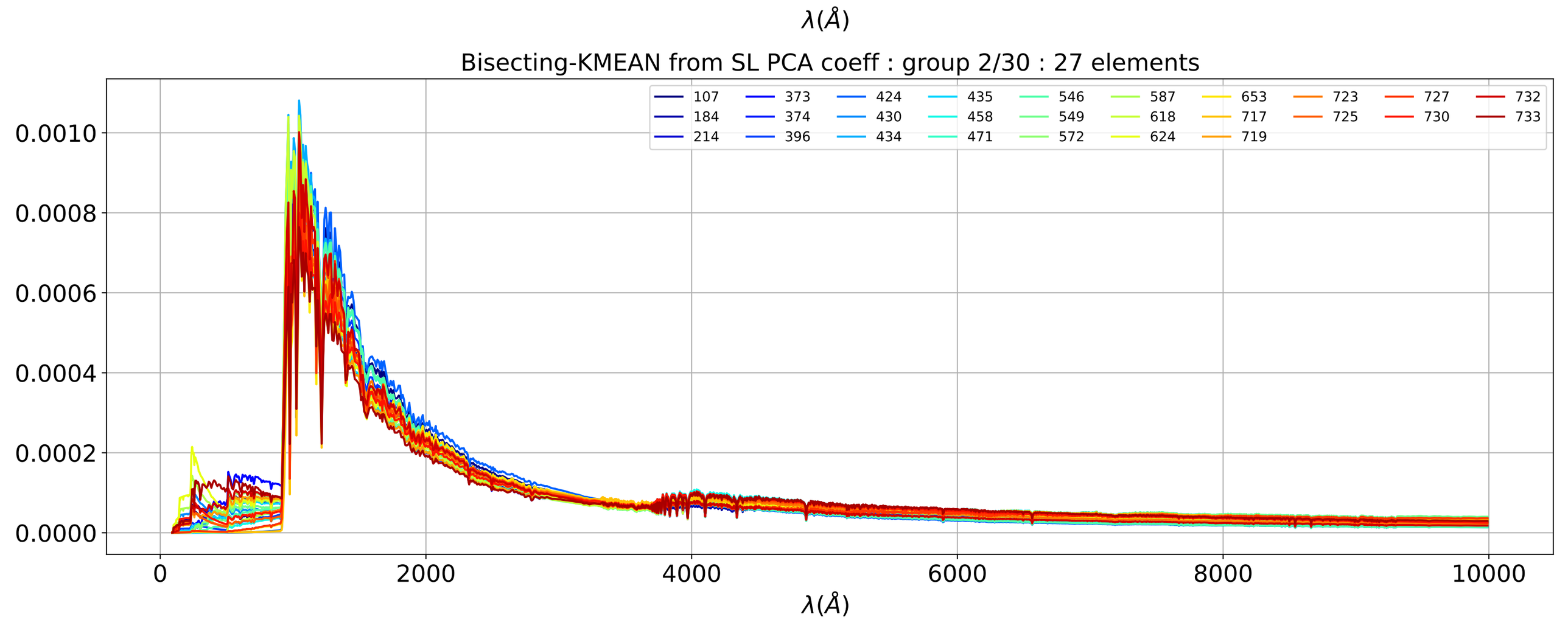
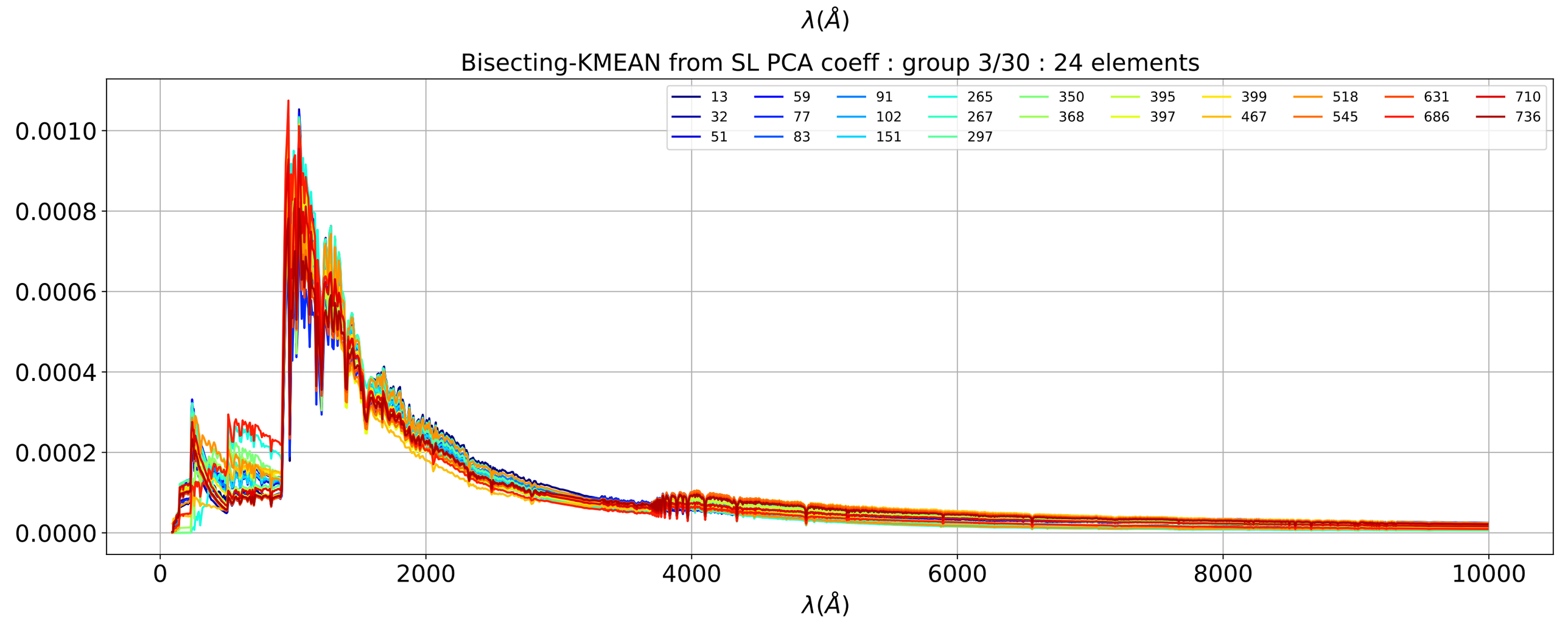
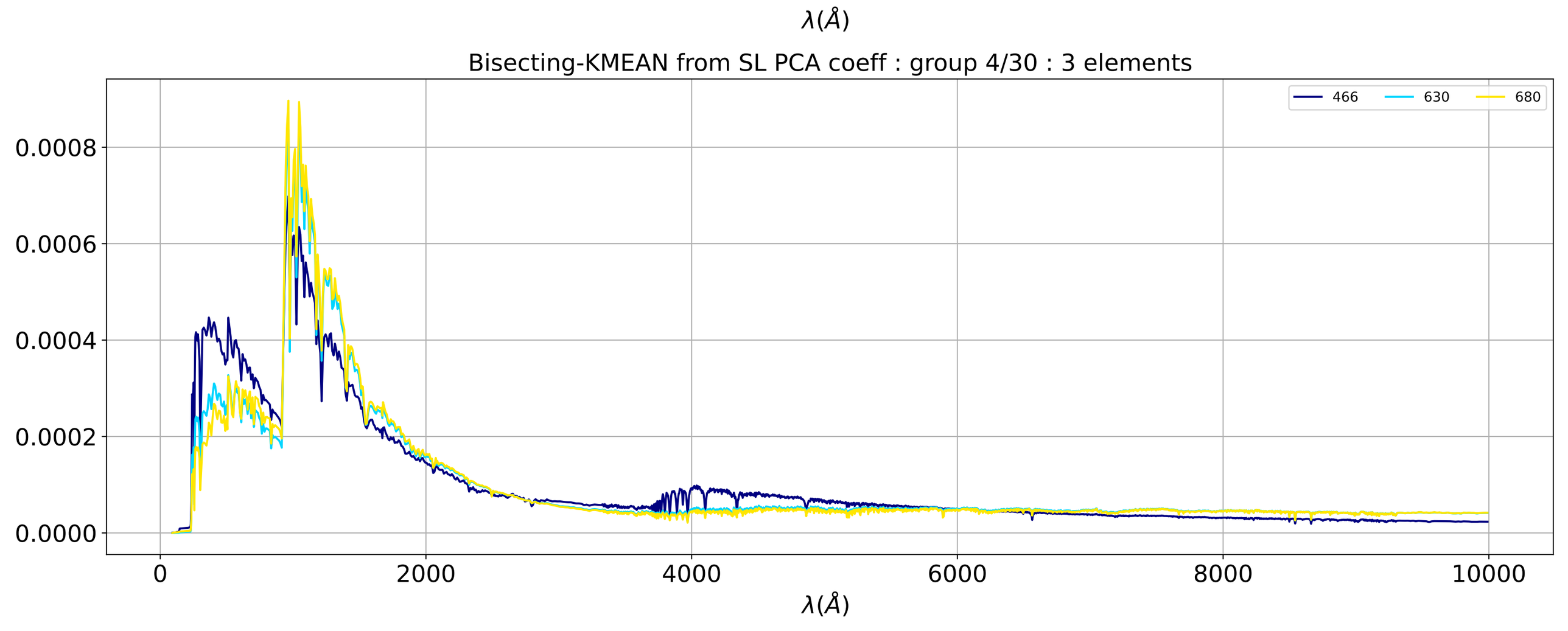
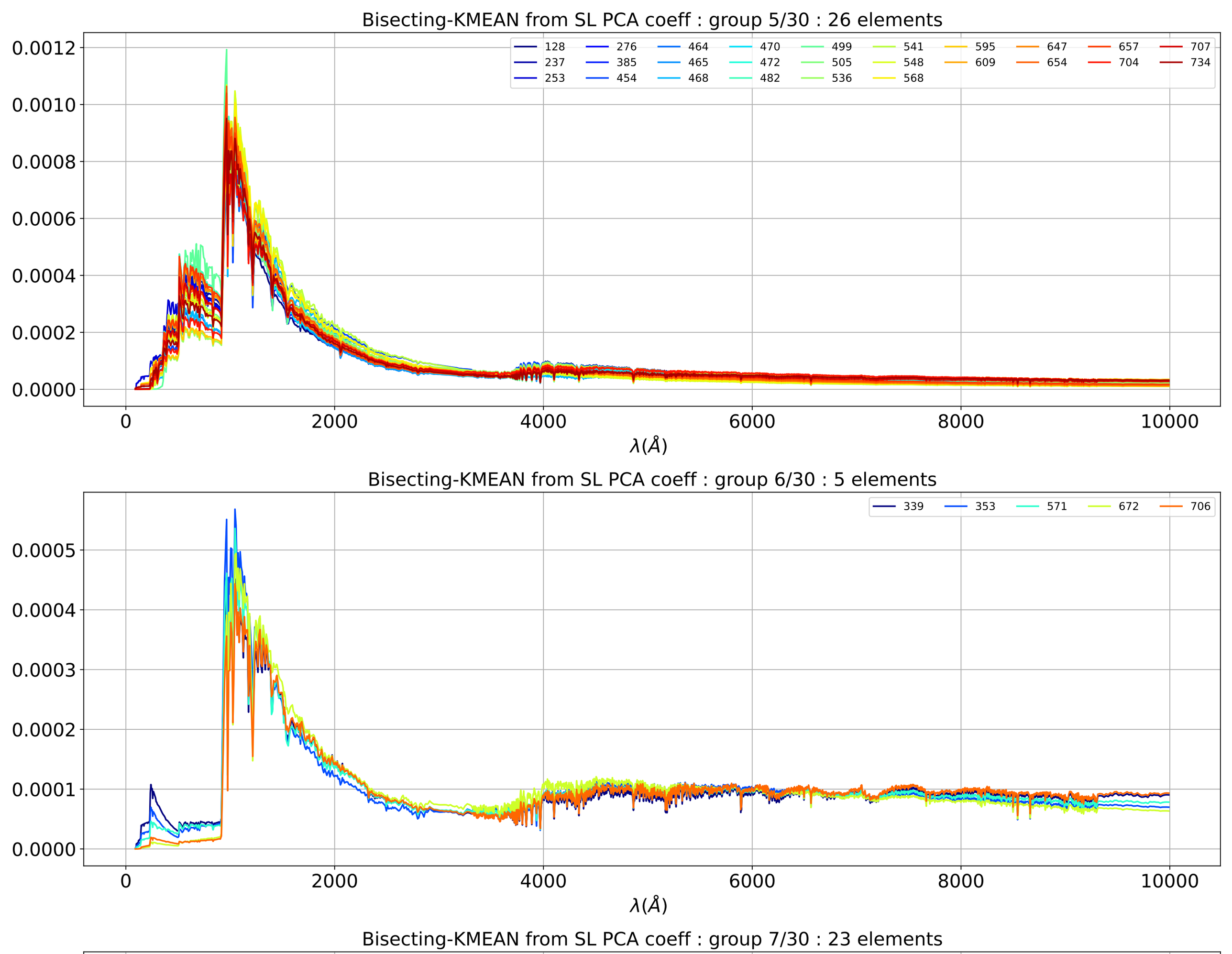

Bisecting-KMEAN from SL PCA coeff : group 0/30 : 4 elements
280 281 344 556
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0 2000 4000 6000 8000 10000
λ(Å)


Bisecting-KMEAN from SL PCA coeff : group 1/30 : 9 elements
85 97 187 317 363 416 543 544 558
0.0008
0.0006
0.0004
0.0002
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

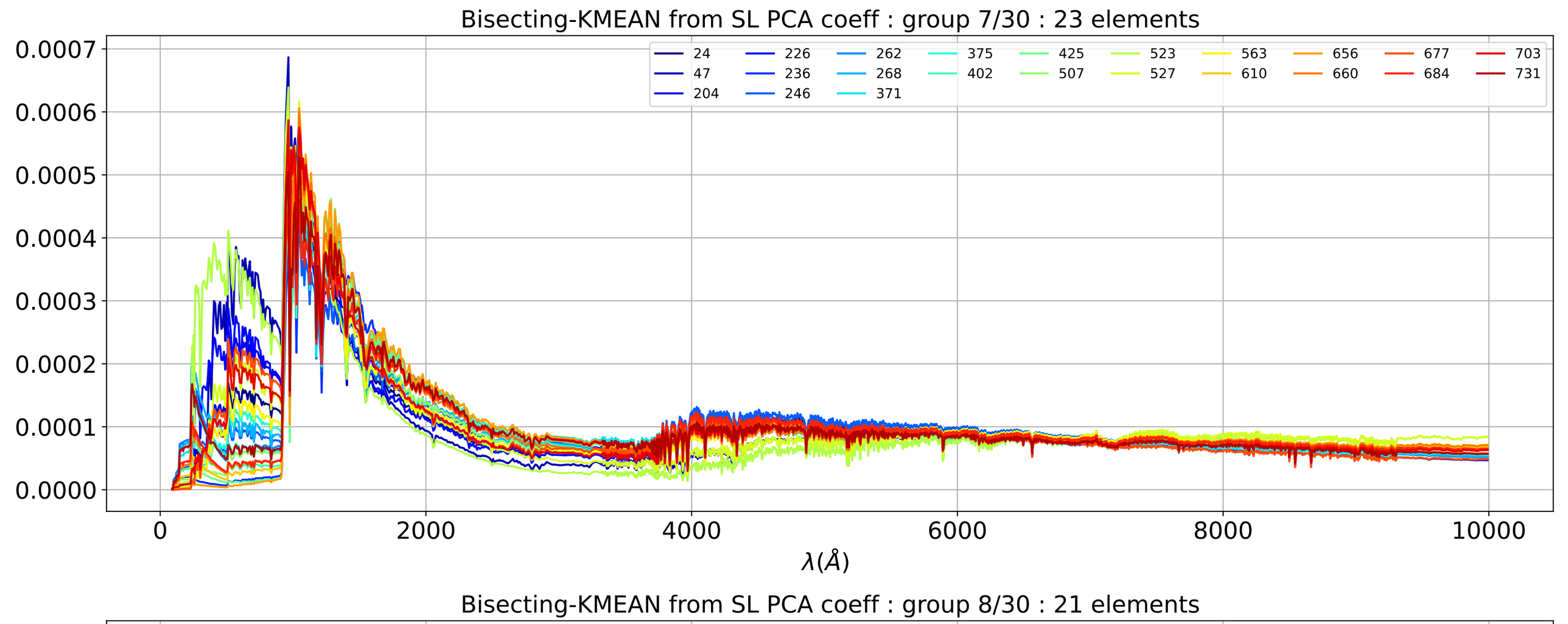

Bisecting-KMEAN from SL PCA coeff : group 2/30 : 27 elements
107 184 214 373 374 396 424 430 434 435 458 471 546 549 572 587 618 624 653 717 719 723 725 727 730 732 733
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

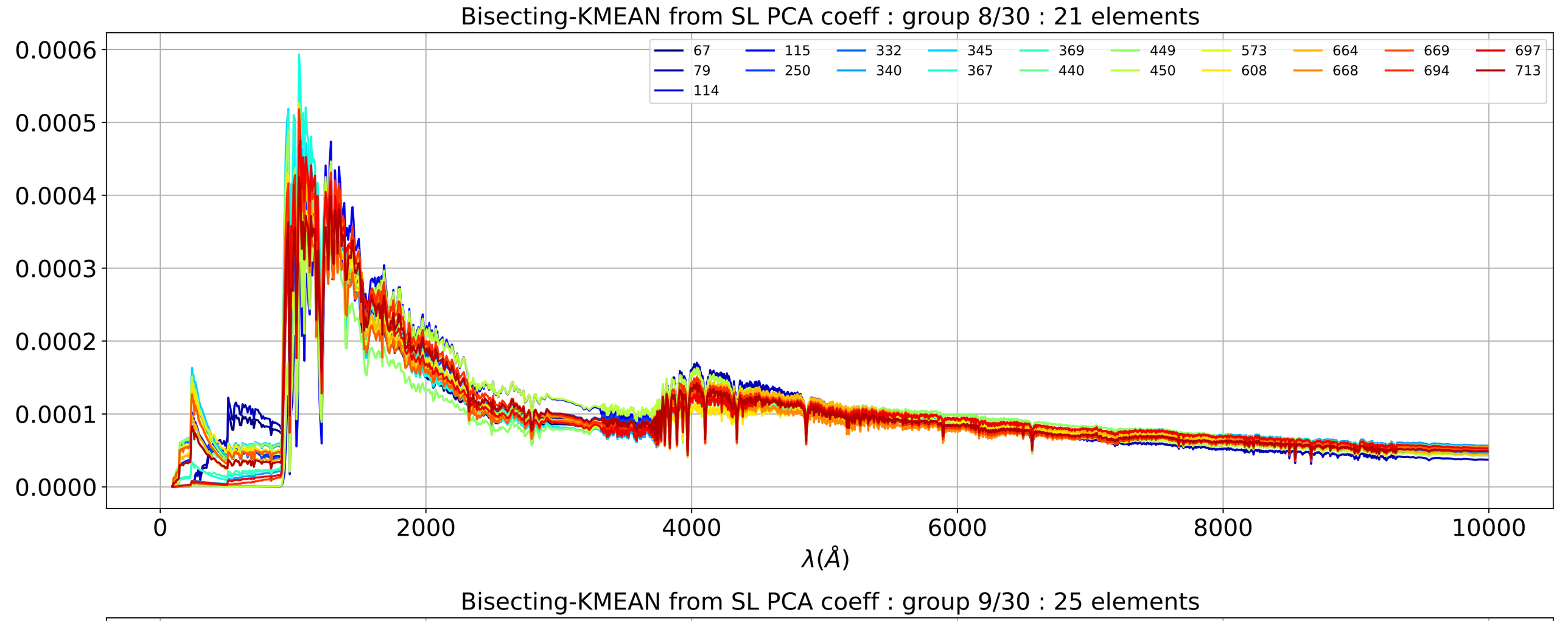

Bisecting-KMEAN from SL PCA coeff : group 3/30 : 24 elements
13 32 51 59 77 83 91 102 151 265 267 297 350 368 395 397 399 467 518 545 631 686 710 736
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

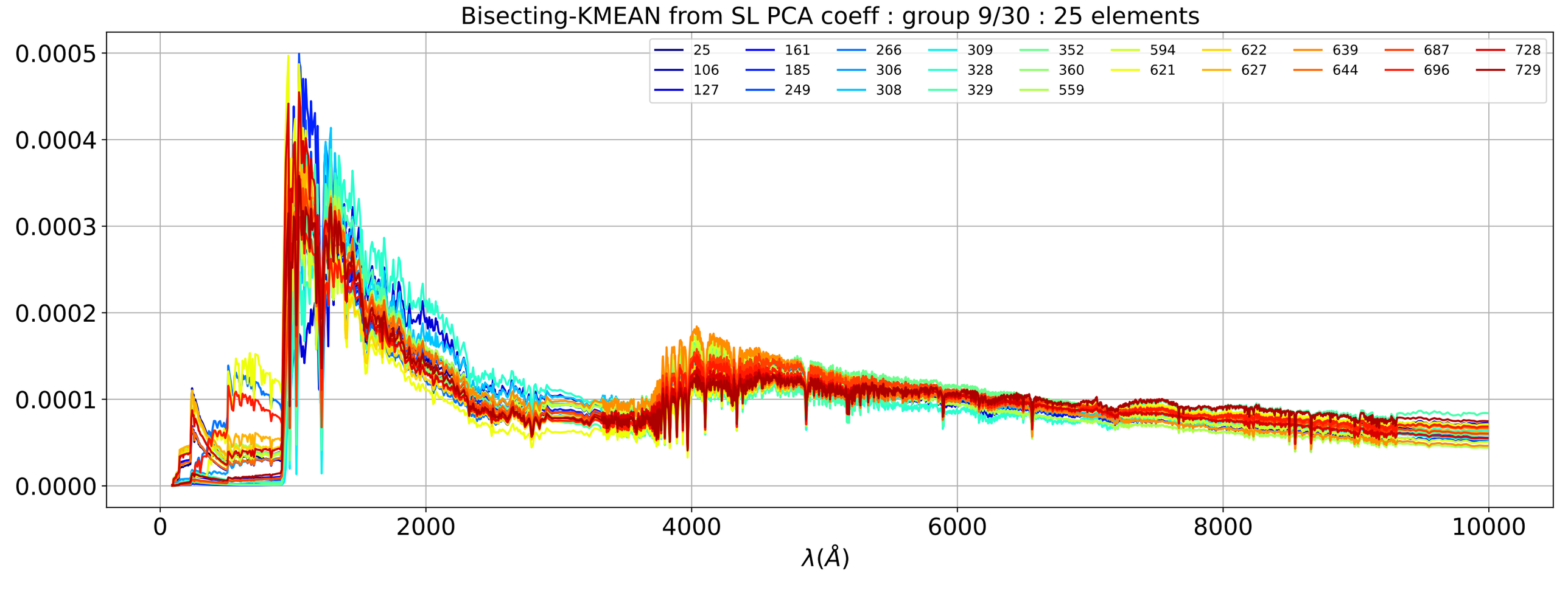

Bisecting-KMEAN from SL PCA coeff : group 4/30 : 3 elements
466 630 680
0.0008
0.0006
0.0004
0.0002
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

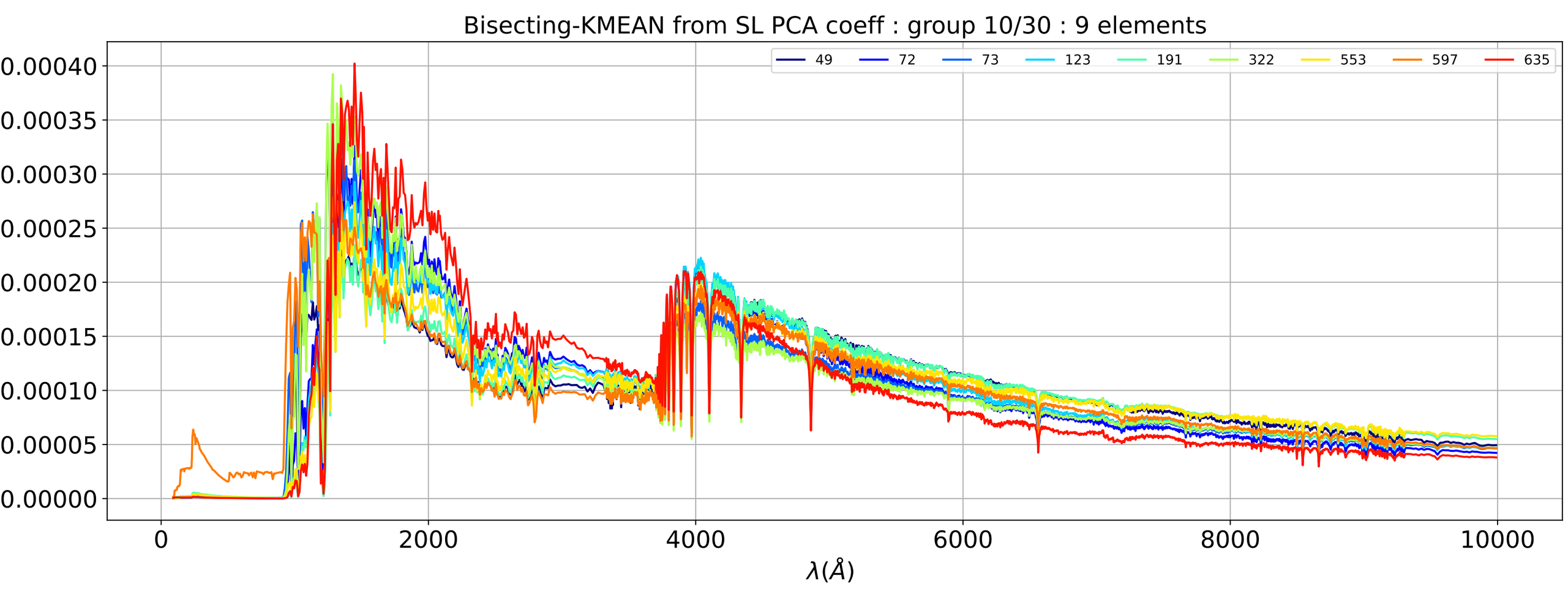

Bisecting-KMEAN from SL PCA coeff : group 5/30 : 26 elements
128 276 464 470 499 541 595 647 657 707
237 385 465 472 505 548 609 654 704 734
253 454 468 482 536 568
0.0012
0.0010
0.0008
0.0006
0.0004
0.0002
0.0000
0
2000
4000
6000
8000
10000
λ(Å)

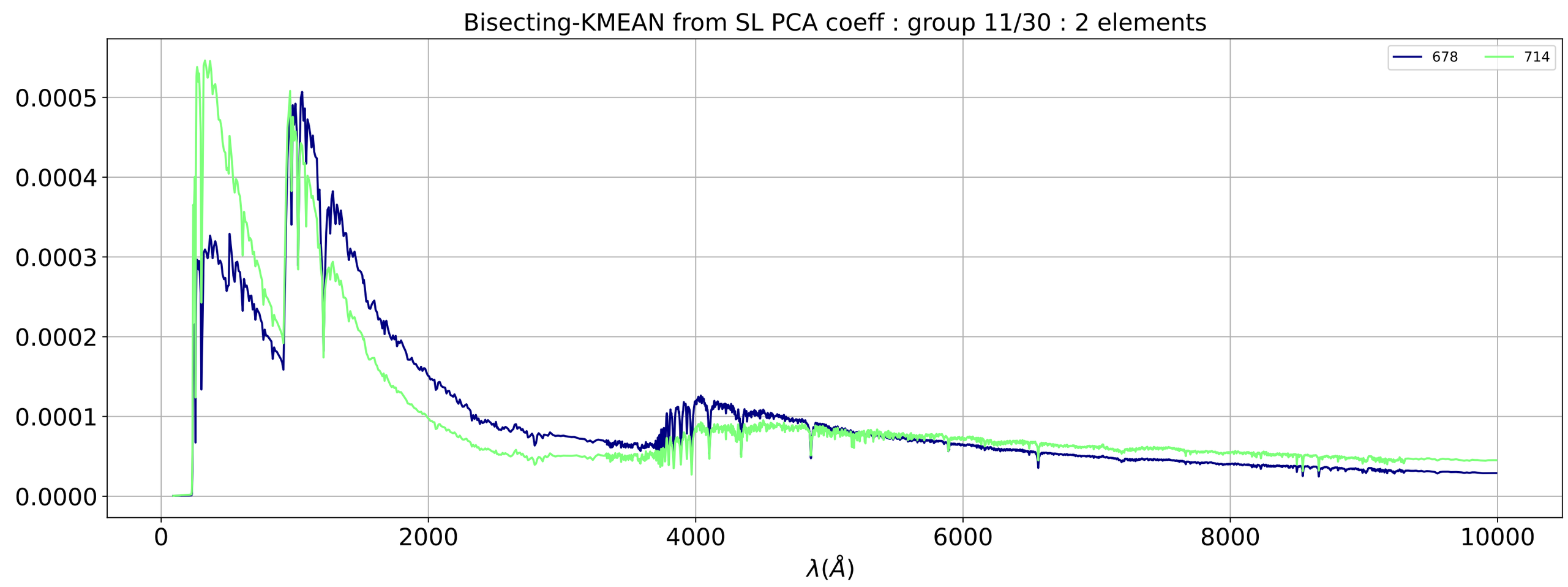
Bisecting-KMEAN from SL PCA coeff : group 6/30 : 5 elements
339 353 571 672 706
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0
2000
4000
6000
8000
10000
λ(Å)

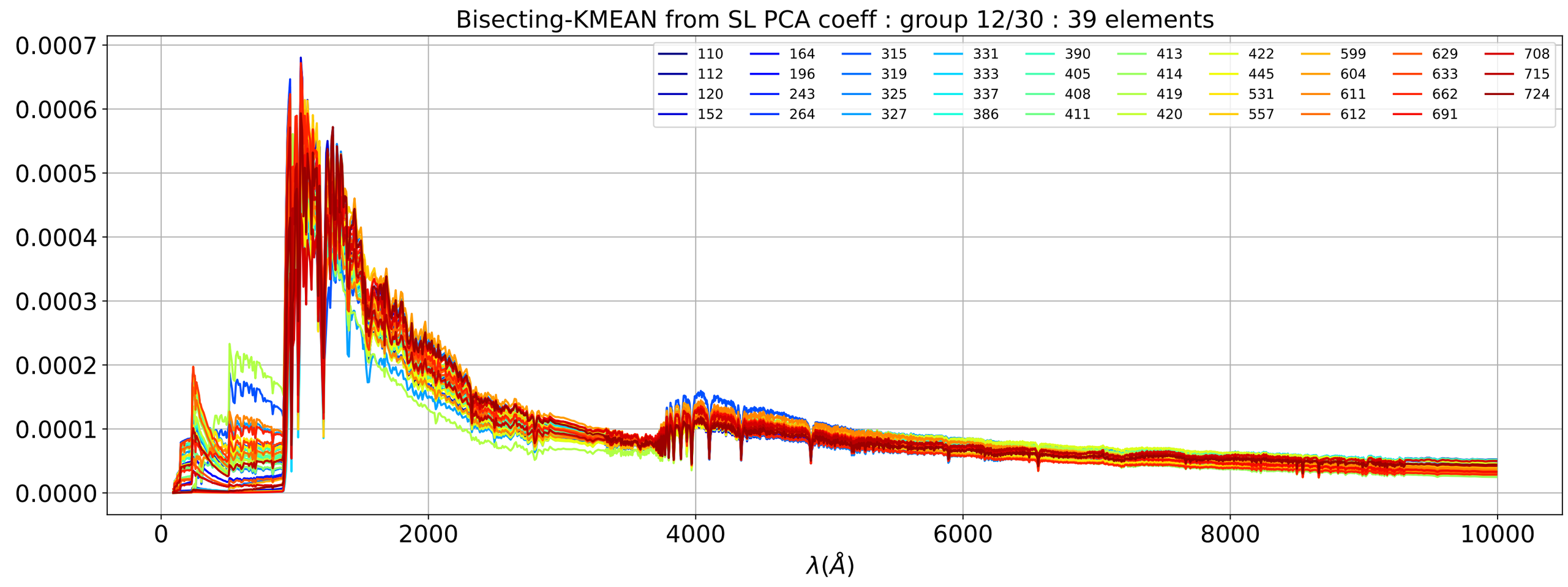

Bisecting-KMEAN from SL PCA coeff : group 7/30 : 23 elements
24 226 262 375 425 523 563 656 677 703
47 236 268 402 507 527 610 660 684 731
204 246 371
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0
2000
4000
6000
8000
10000
λ(Å)

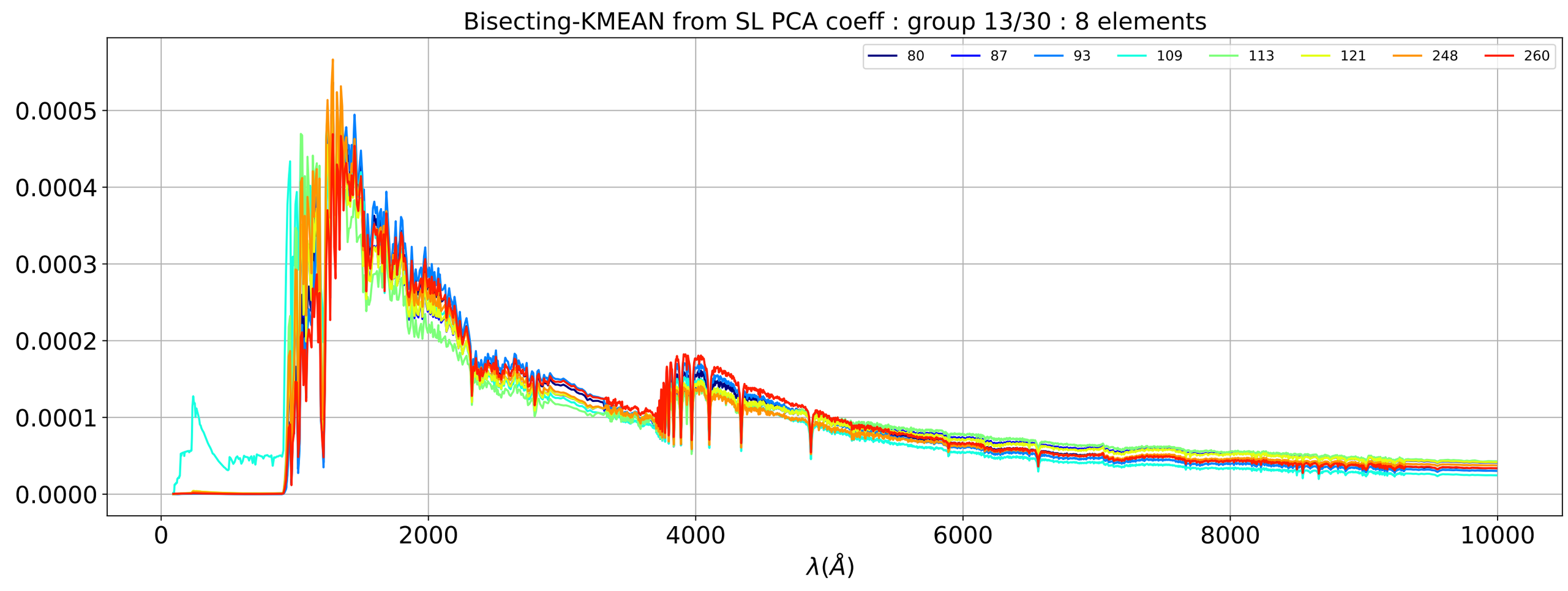

Bisecting-KMEAN from SL PCA coeff : group 8/30 : 21 elements
67 115 332 345 369 449 573 664 669 697
79 250 340 367 440 450 608 668 694 713
114
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0
2000
4000
6000
8000
10000
λ(Å)


Bisecting-KMEAN from SL PCA coeff : group 9/30 : 25 elements
25 161 266 309 352 594 622 639 687 728
106 185 306 328 360 621 627 644 696 729
127 249 308 329 559
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0
2000
4000
6000
8000
10000
λ(Å)

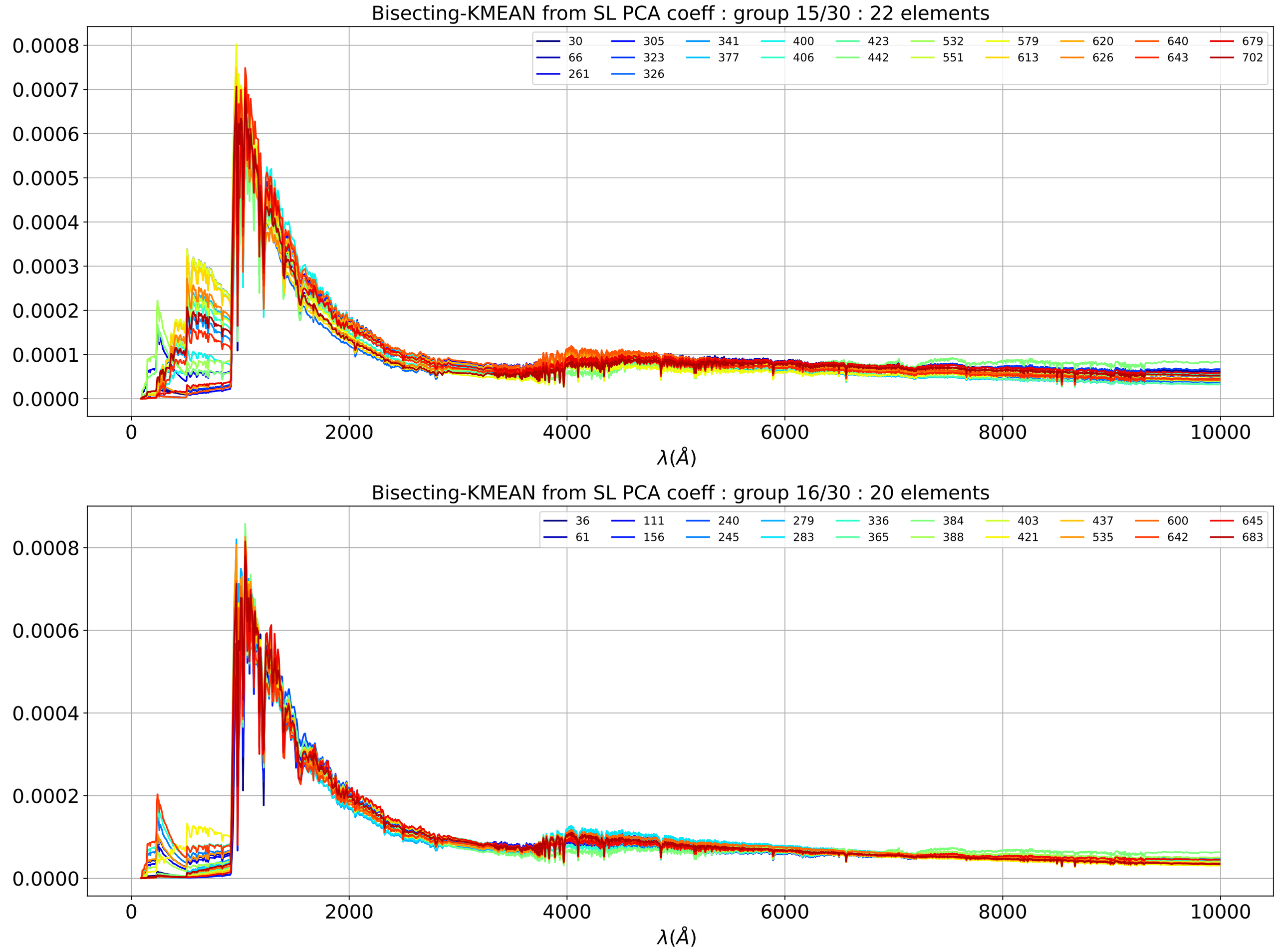

Bisecting-KMEAN from SL PCA coeff : group 10/30 : 9 elements
49 72 73 123 191 322 553 597 635
0.00040
0.00035
0.00030
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0 2000 4000 6000 8000 10000
λ(Å)

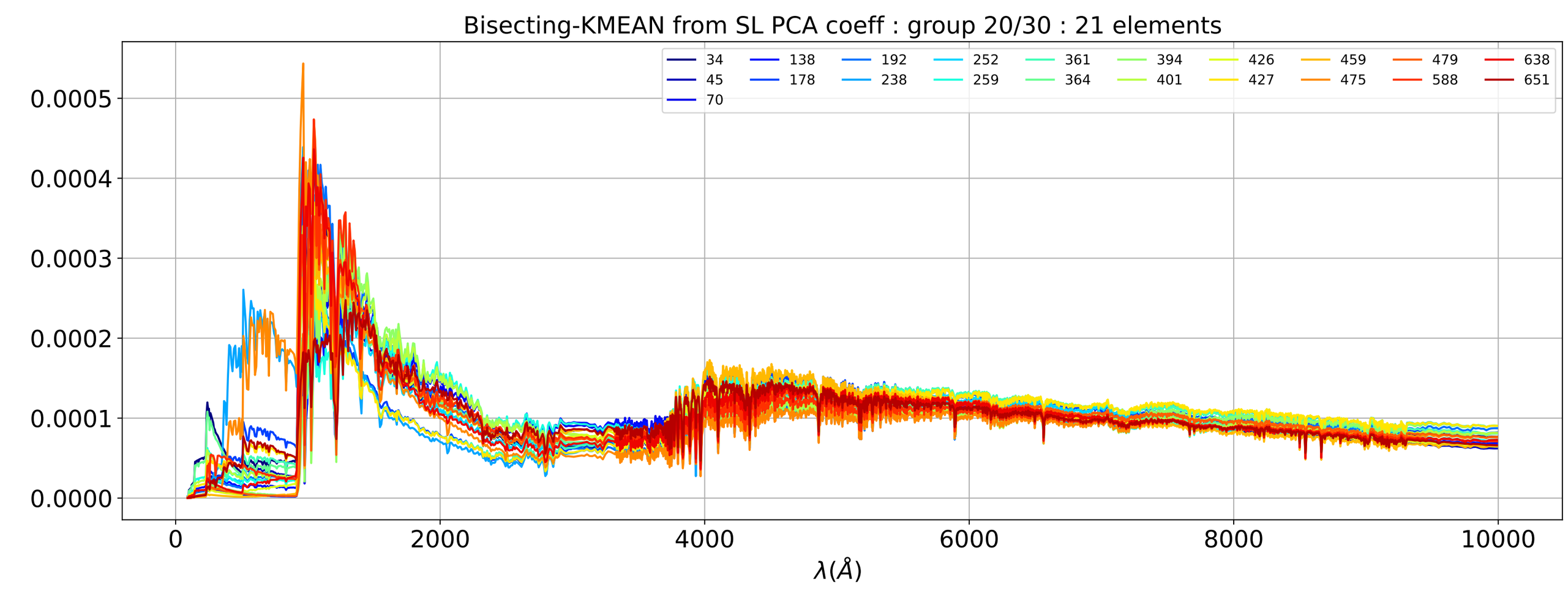

Bisecting-KMEAN from SL PCA coeff : group 11/30 : 2 elements
678 714
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

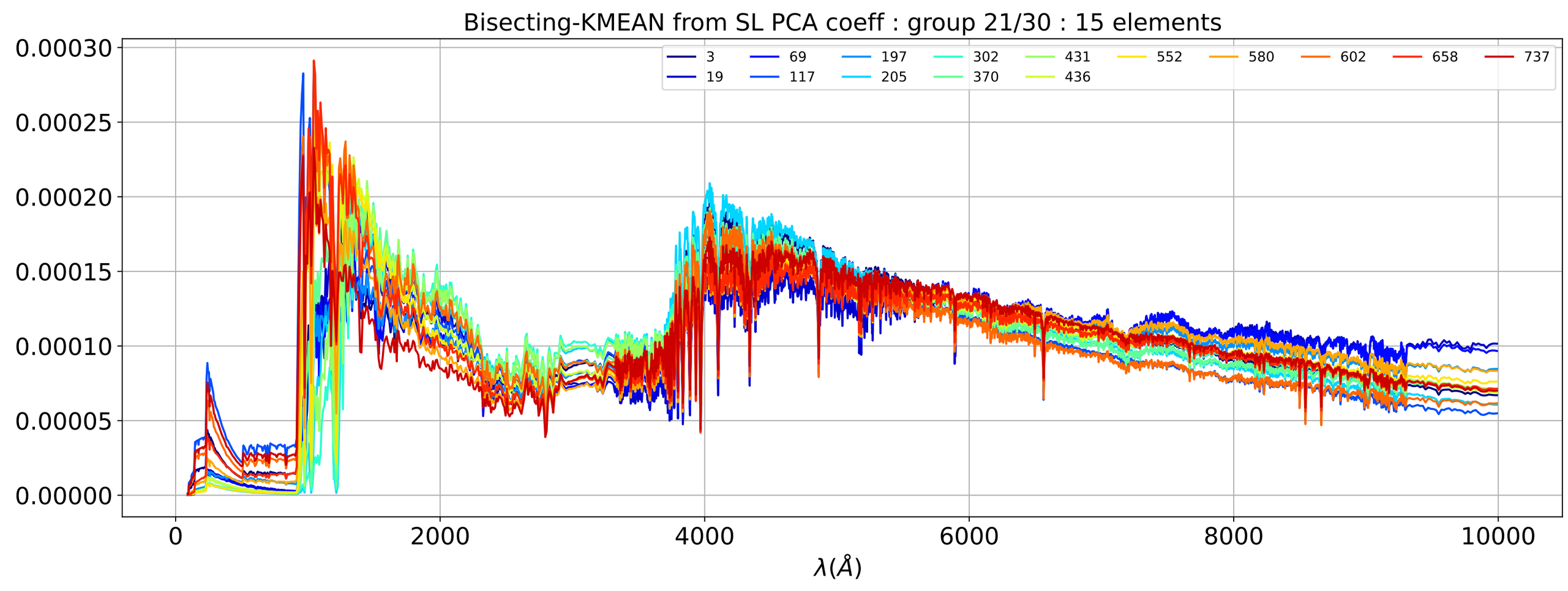

Bisecting-KMEAN from SL PCA coeff : group 12/30 : 39 elements
110 112 120 152 164 196 243 264 315 319 325 327 331 333 337 386 390 405 408 411 413 414 419 420 422 445 531 557 599 604 611 612 629 633 662 691 708 715 724
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

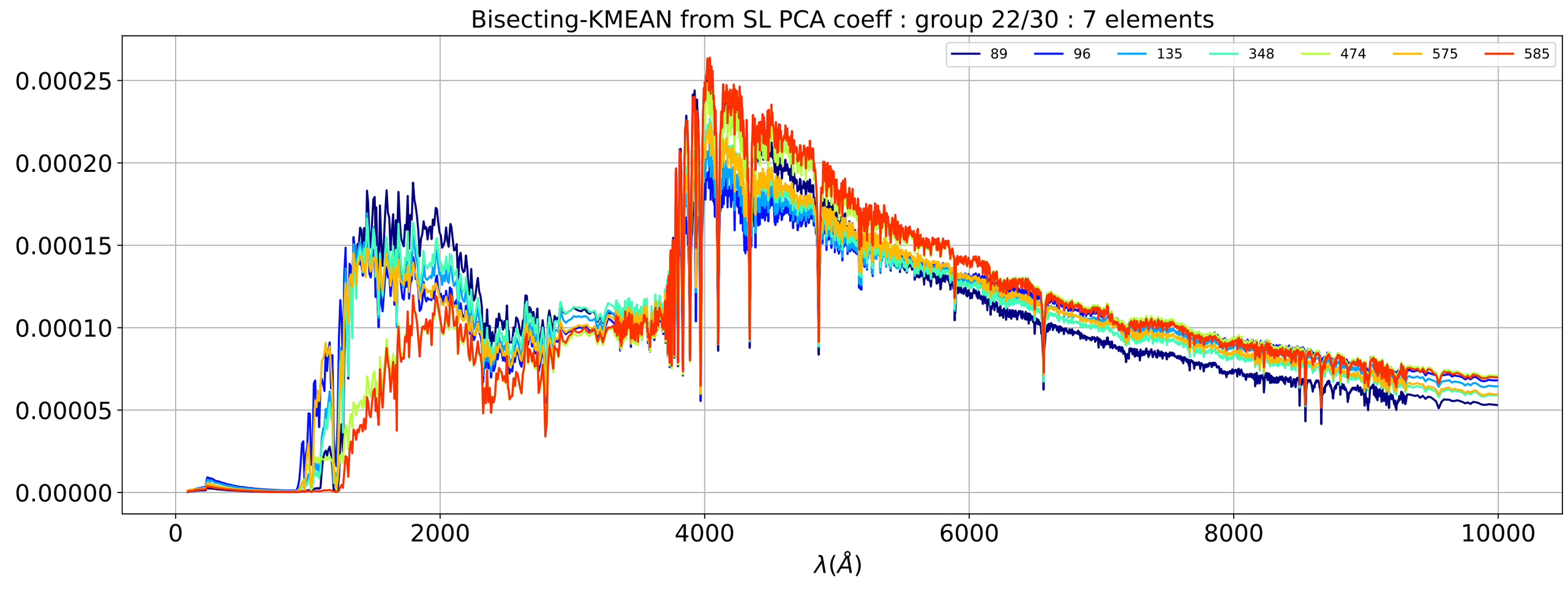

Bisecting-KMEAN from SL PCA coeff : group 13/30 : 8 elements
80 87 93 109 113 121 248 260
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

Bisecting-KMEAN from SL PCA coeff : group 14/30 : 4 elements
227 354 512 675
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0 2000 4000 6000 8000 10000
λ(Å)

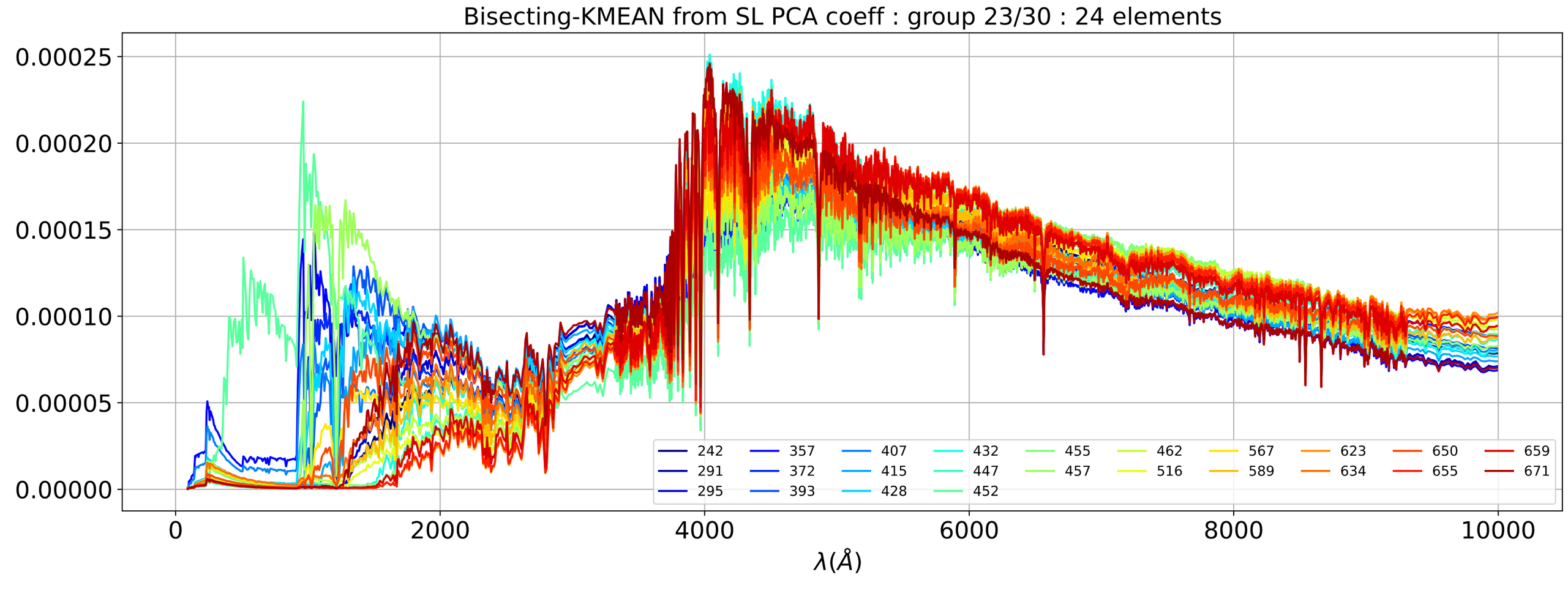

Bisecting-KMEAN from SL PCA coeff : group 15/30 : 22 elements
30 66 261 305 323 326 341 377 400 406 423 442 532 551 579 613 620 626 640 643 679 702
0.0000 0.0001 0.0002 0.0003 0.0004 0.0005 0.0006 0.0007 0.0008
0 2000 4000 6000 8000 10000
λ(Å)
Bisecting-KMEAN from SL PCA coeff : group 16/30 : 20 elements
36 61 111 156 240 245 279 283 336 365 384 388 403 421 437 535 600 642 645 683
0.0000 0.0002 0.0004 0.0006 0.0008
0 2000 4000 6000 8000 10000
λ(Å)
Bisecting-KMEAN from SL PCA coeff : group 17/30 : 13 elements
68 294 298 307 444 448 461 480 483 564 582 593 699
0.0000 0.0002 0.0004 0.0006 0.0008 0.0010 0.0012
0 2000 4000 6000 8000 10000
λ(Å)
Bisecting-KMEAN from SL PCA coeff : group 18/30 : 11 elements
134 183 313 366 380 469 496 537 586 625 646
0.0000 0.0002 0.0004 0.0006 0.0008
0 2000 4000 6000 8000 10000
λ(Å)
Bisecting-KMEAN from SL PCA coeff : group 19/30 : 16 elements
84 86 160 194 346 409 478 508 525 540 577 591 641 693 698 722
0.0000 0.0002 0.0004 0.0006 0.0008 0.0010
0 2000 4000 6000 8000 10000
λ(Å)

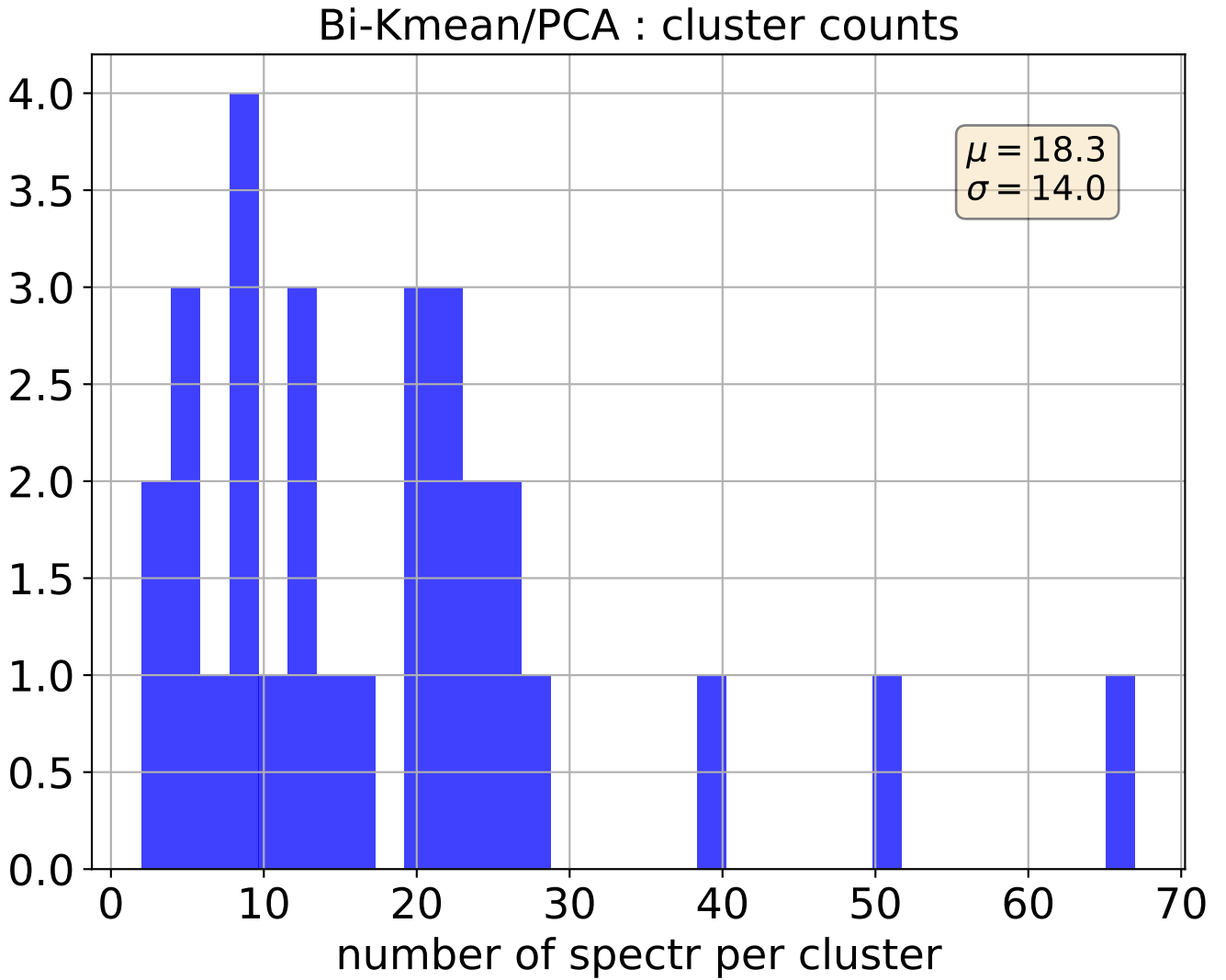

Bisecting-KMEAN from SL PCA coeff : group 20/30 : 21 elements
34 45 70 138 178 192 238 252 259 361 364 394 401 426 427 459 475 479 588 638 651
0.0005
0.0004
0.0003
0.0002
0.0001
0.0000
0
2000
4000
6000
8000
10000
λ(Å)


Bisecting-KMEAN from SL PCA coeff : group 21/30 : 15 elements
3 19 69 117 197 205 302 370 431 436 552 580 602 658 737
0.00030
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0
2000
4000
6000
8000
10000
λ(Å)


Bisecting-KMEAN from SL PCA coeff : group 22/30 : 7 elements
89 96 135 348 474 575 585
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0
2000
4000
6000
8000
10000
λ(Å)

Bisecting-KMEAN from SL PCA coeff : group 23/30 : 24 elements
242 291 295 357 372 393 407 415 428 432 447 452 455 457 462 516 567 589 623 634 650 655 659 671
0.00025
0.00020
0.00015
0.00010
0.00005
0.00000
0
2000
4000
6000
8000
10000
λ(Å)


Bisecting-KMEAN from SL PCA coeff : group 24/30 : 67 elements
33 35 55 62 171 182 186 210 222 277 288 304 318 334 335 349 351 355 358 359 378 379 381 391 398 404 410 417 429 438 490 493 494 501 503 504 506 509 510 511 519 520 528 530 554 560 565 566 576 583 598 603 605 617 637 648 649 663 667 681 685 701 711 718 720 721 738
0.000200
0.000175
0.000150
0.000125
0.000100
0.000075
0.000050
0.000025
0.000000
0
2000
4000
6000
8000
10000
λ(Å)


Bi-Kmean/PCA : cluster counts
$\mu = 18.3$
$\sigma = 14.0$
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
0
10
20
30
40
50
60
70
number of spectr per cluster