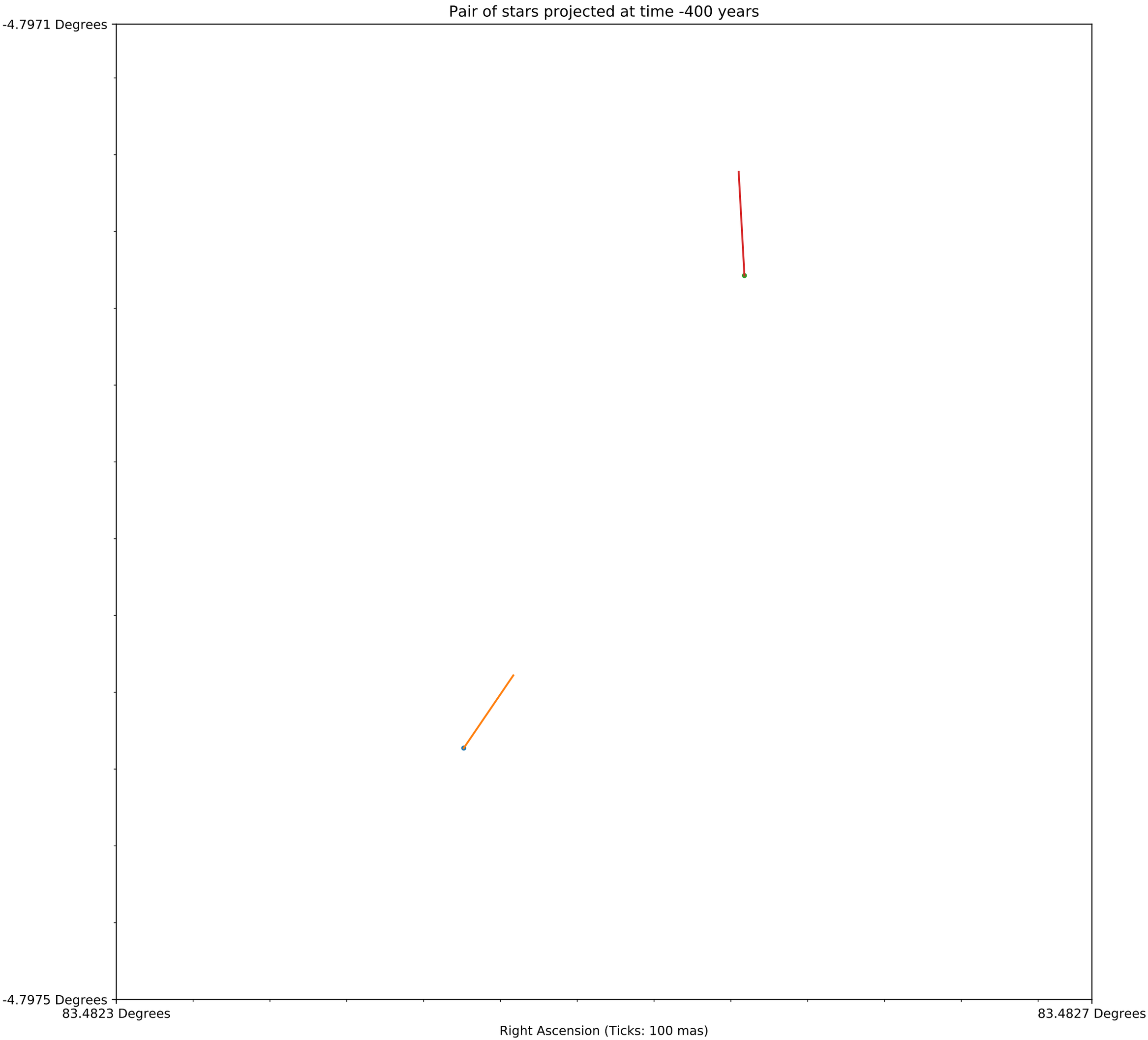
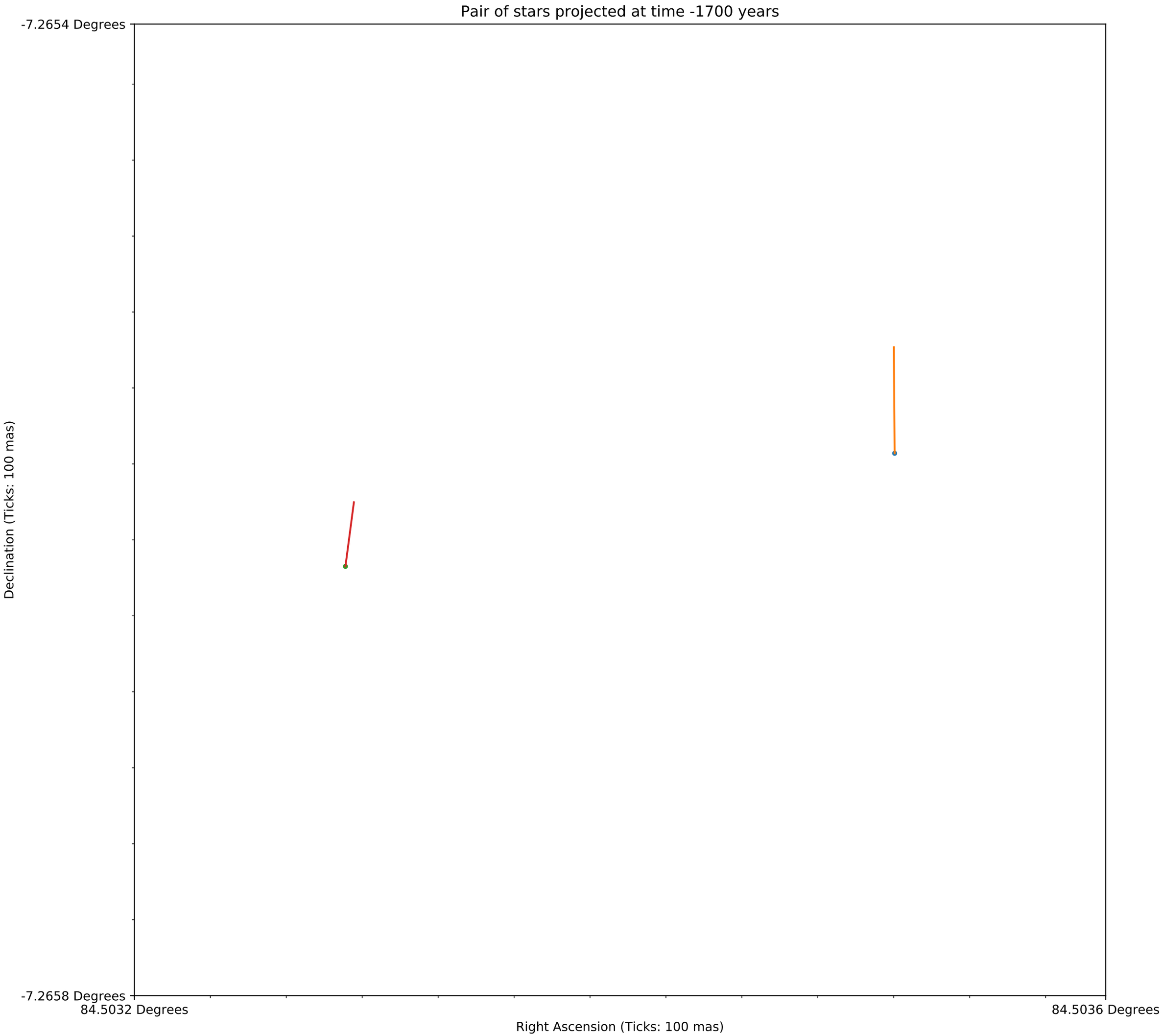
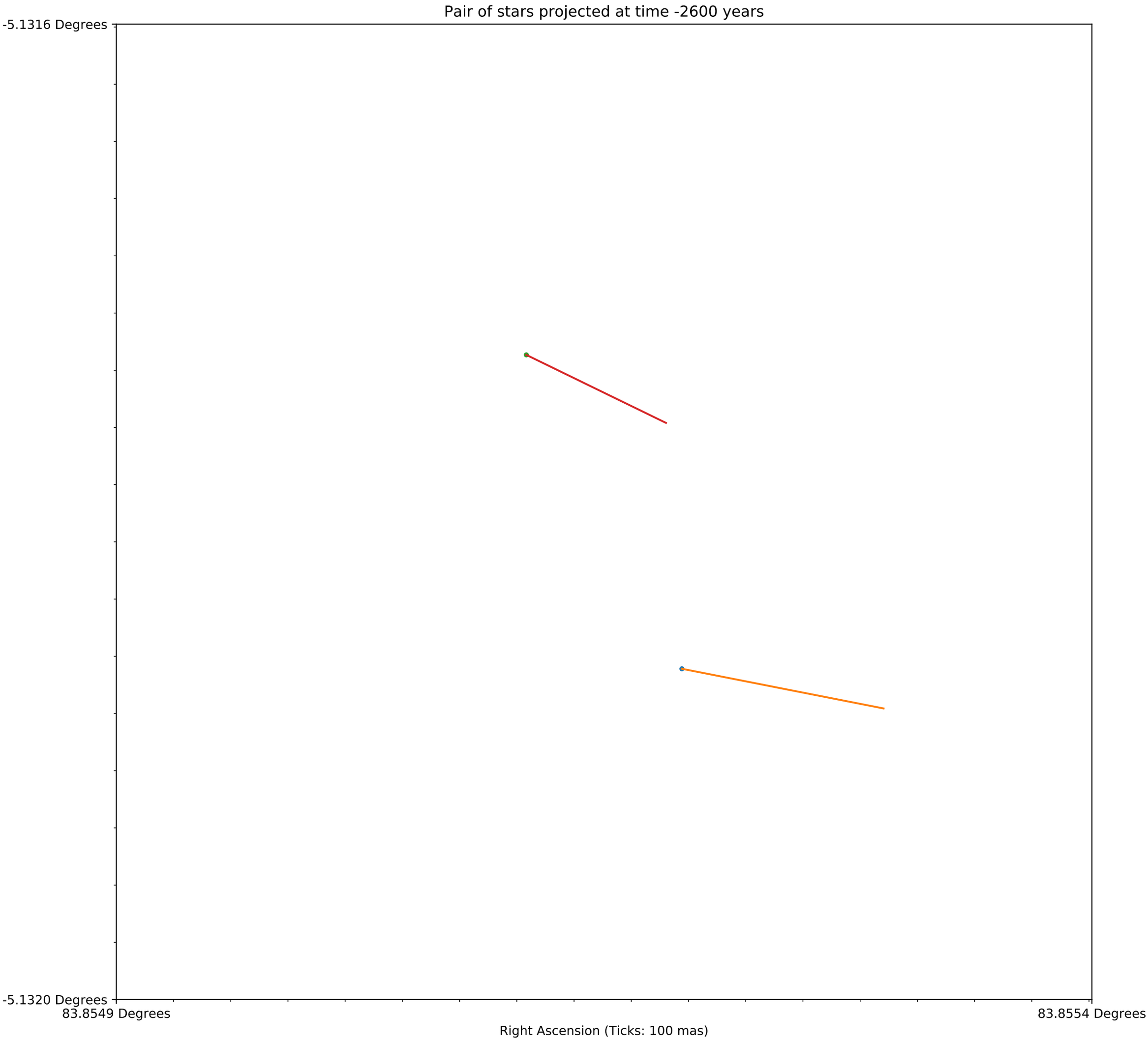
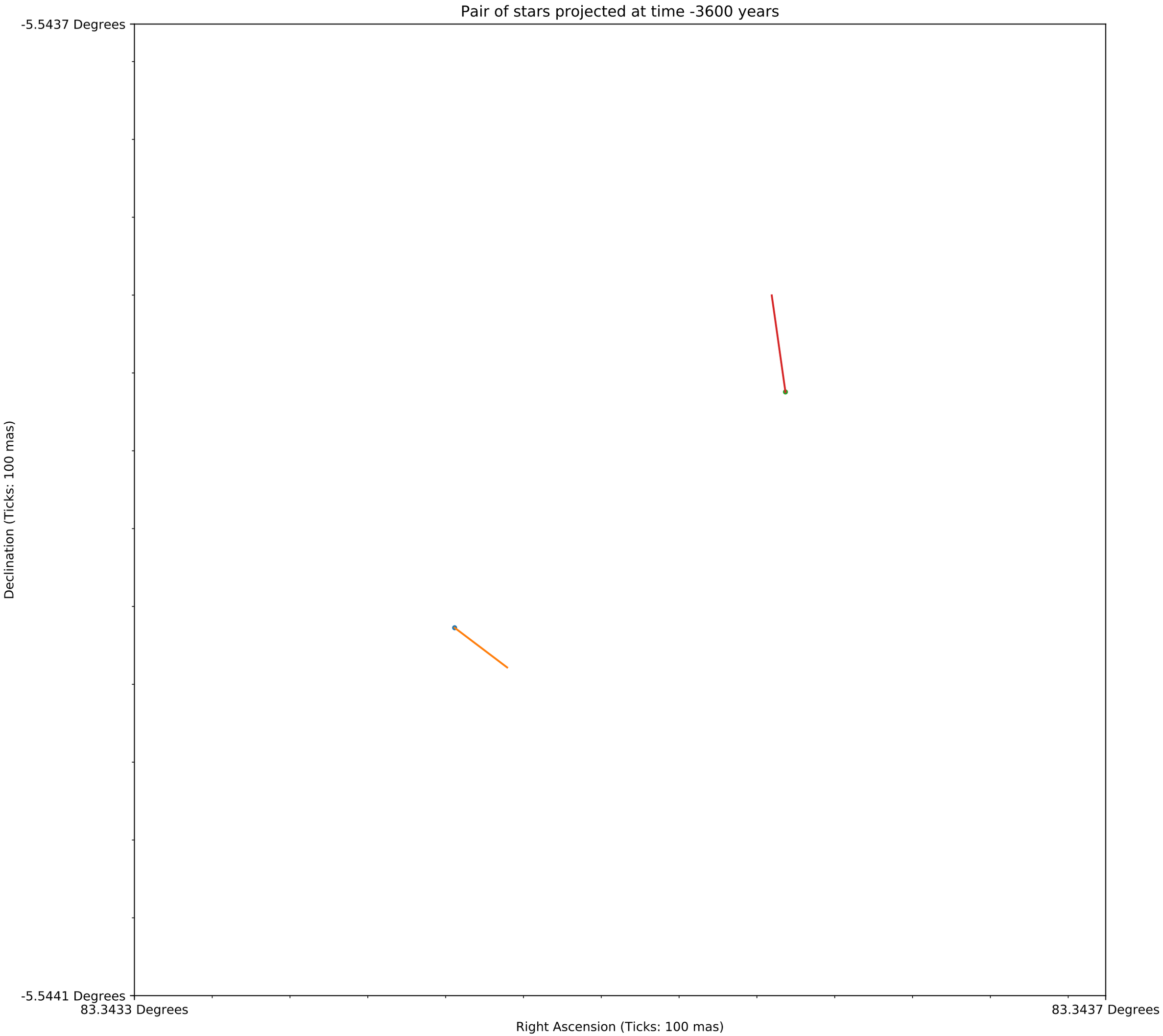

Pair of stars projected at time -400 years
-4.7971 Degrees
Declination (Ticks: 100 mas)
-4.7975 Degrees
83.4823 Degrees
83.4827 Degrees
Right Ascension (Ticks: 100 mas)

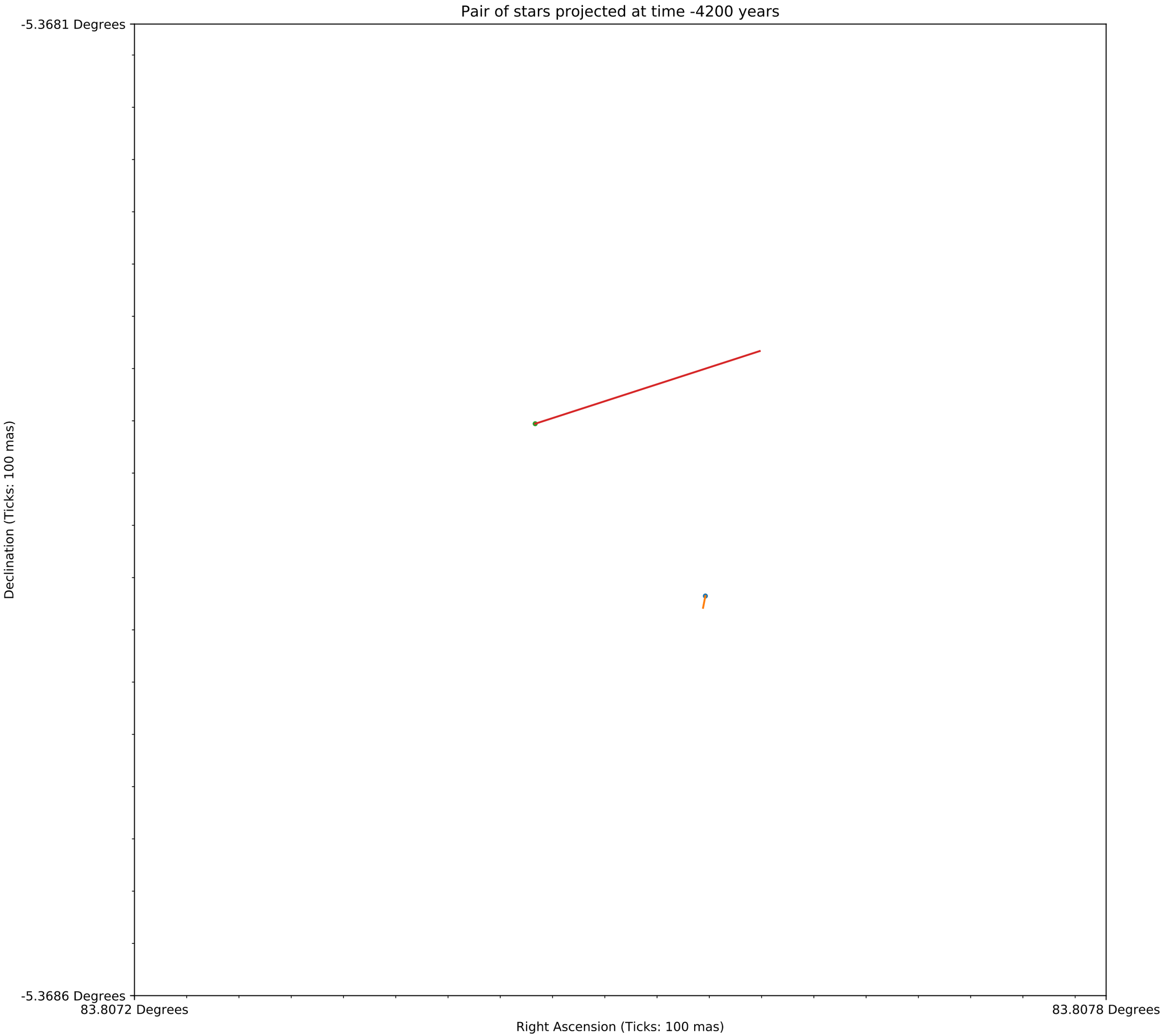
Pair of stars projected at time -900 years
-6.8206 Degrees
Declination (Ticks: 100 mas)
-6.8216 Degrees
84.5383 Degrees
84.5393 Degrees
Right Ascension (Ticks: 100 mas)

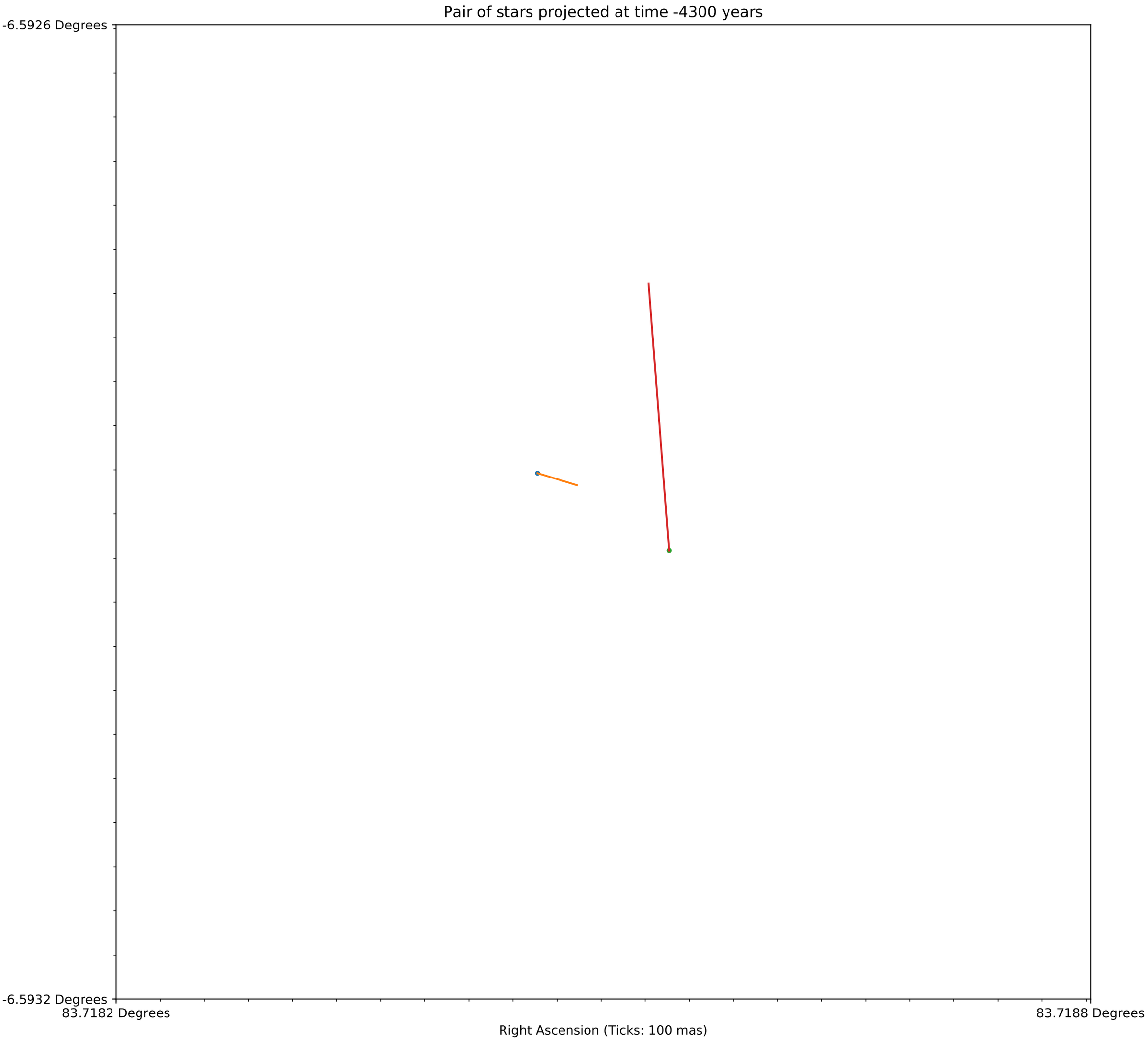

Pair of stars projected at time -1700 years
-7.2654 Degrees
Declination (Ticks: 100 mas)
-7.2658 Degrees
84.5032 Degrees
84.5036 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -2000 years
-5.0077 Degrees
Declination (Ticks: 100 mas)
-5.0082 Degrees
84.0789 Degrees
84.0794 Degrees
Right Ascension (Ticks: 100 mas)

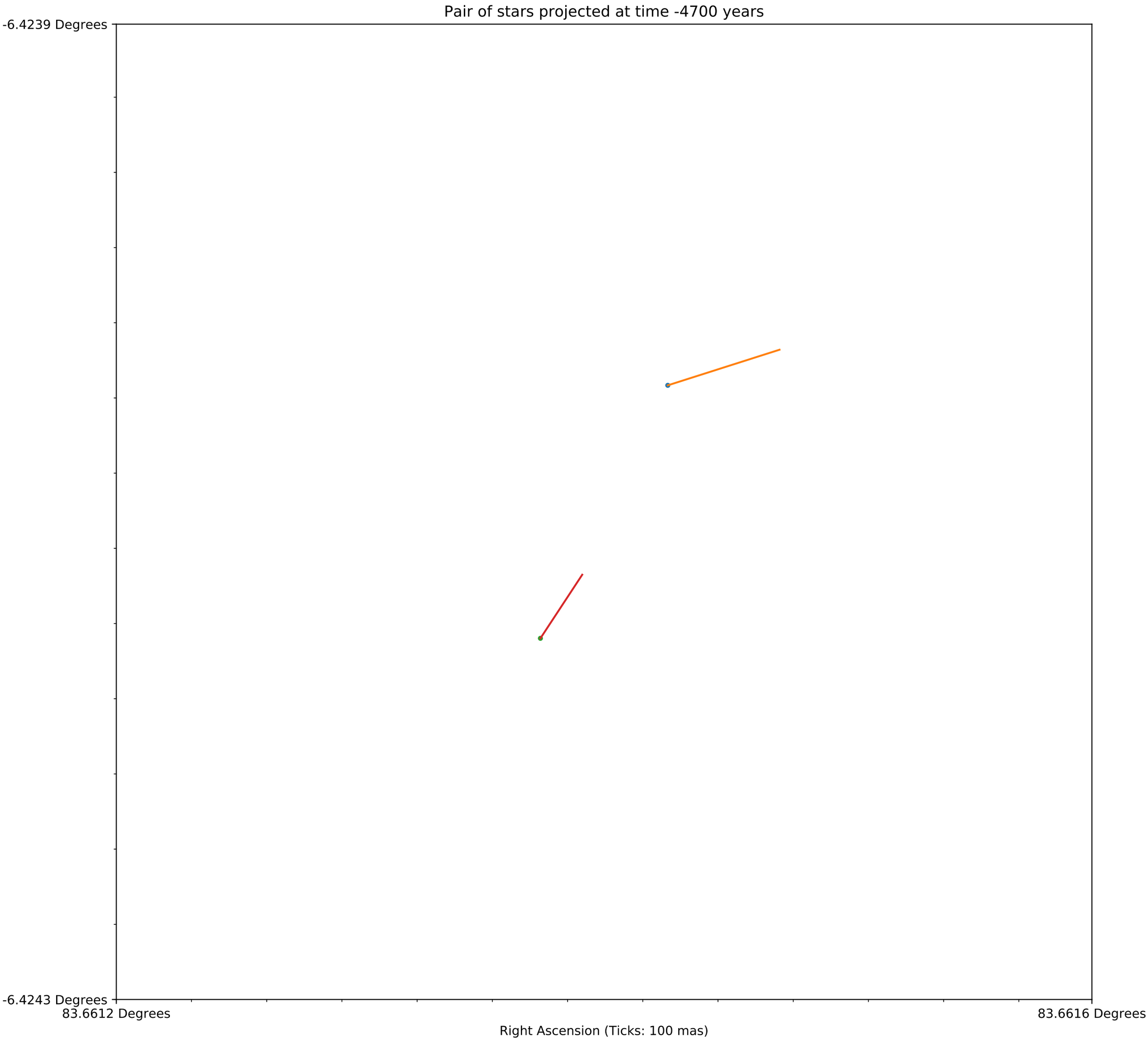

Pair of stars projected at time -2600 years
-5.1316 Degrees
Declination (Ticks: 100 mas)
-5.1320 Degrees
83.8549 Degrees
83.8554 Degrees
Right Ascension (Ticks: 100 mas)

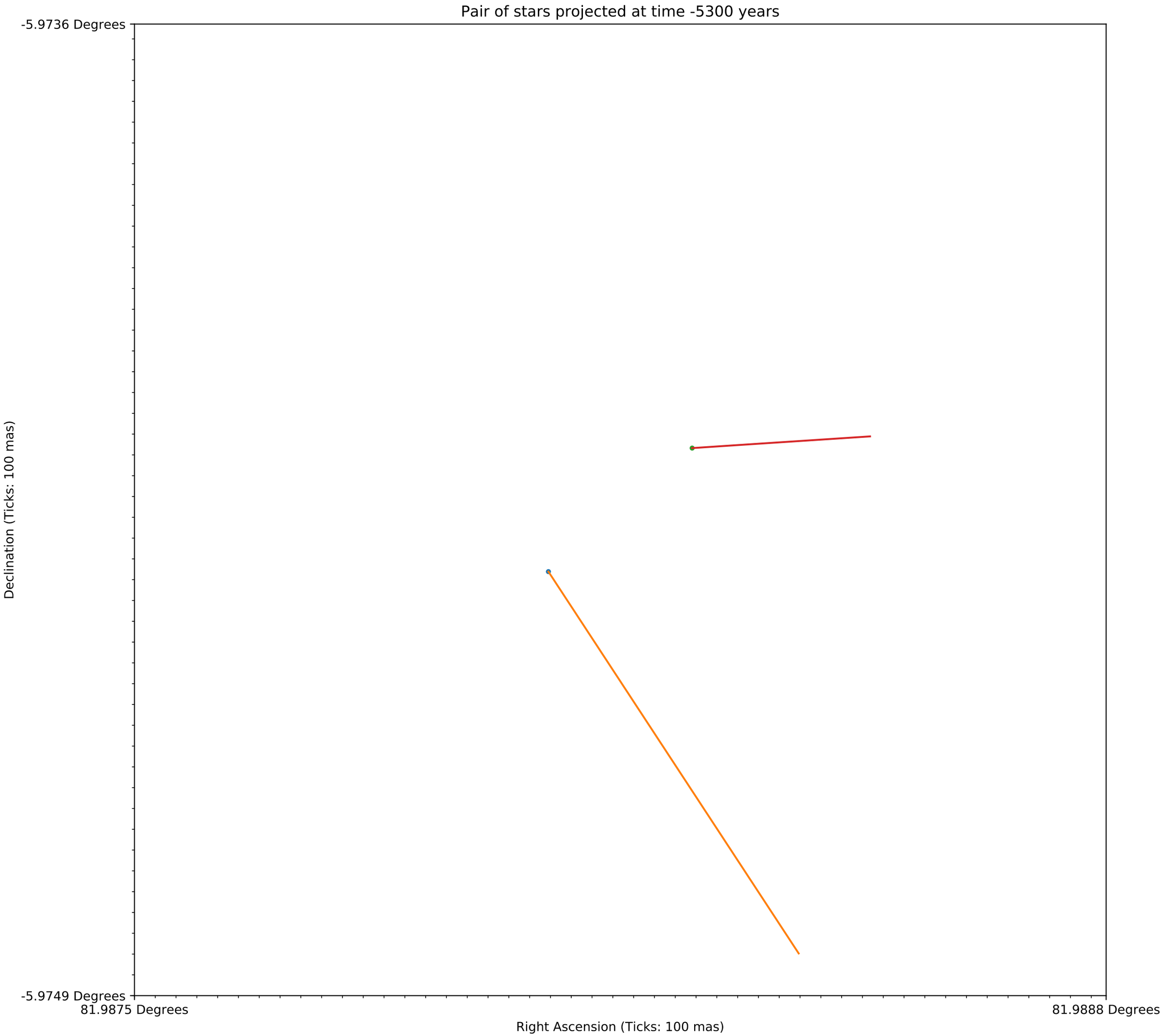

Pair of stars projected at time -3600 years
-5.5437 Degrees
-5.5441 Degrees
83.3433 Degrees
83.3437 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

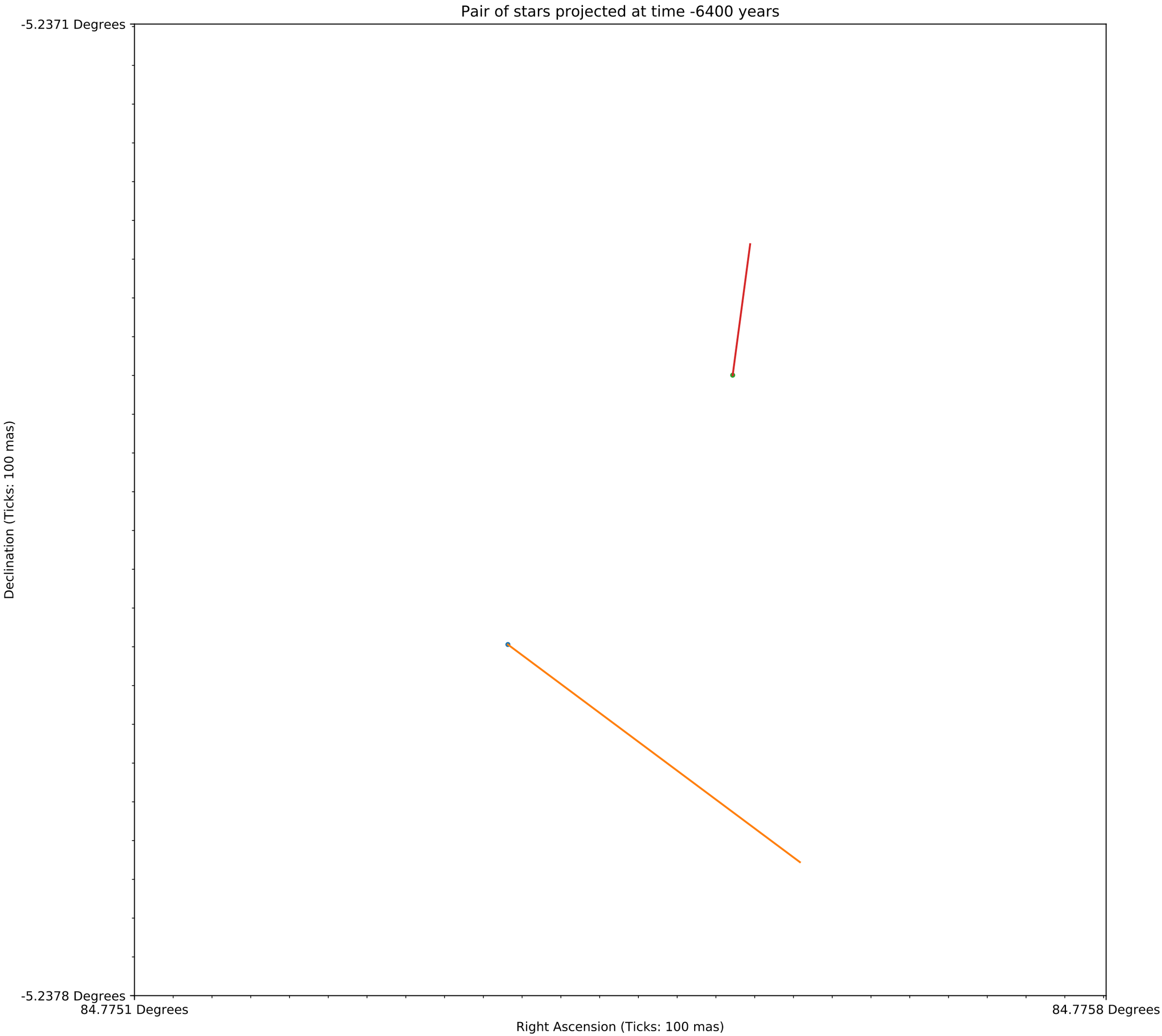

Pair of stars projected at time -4200 years
-5.3681 Degrees
Declination (Ticks: 100 mas)
-5.3686 Degrees
83.8072 Degrees
83.8078 Degrees
Right Ascension (Ticks: 100 mas)

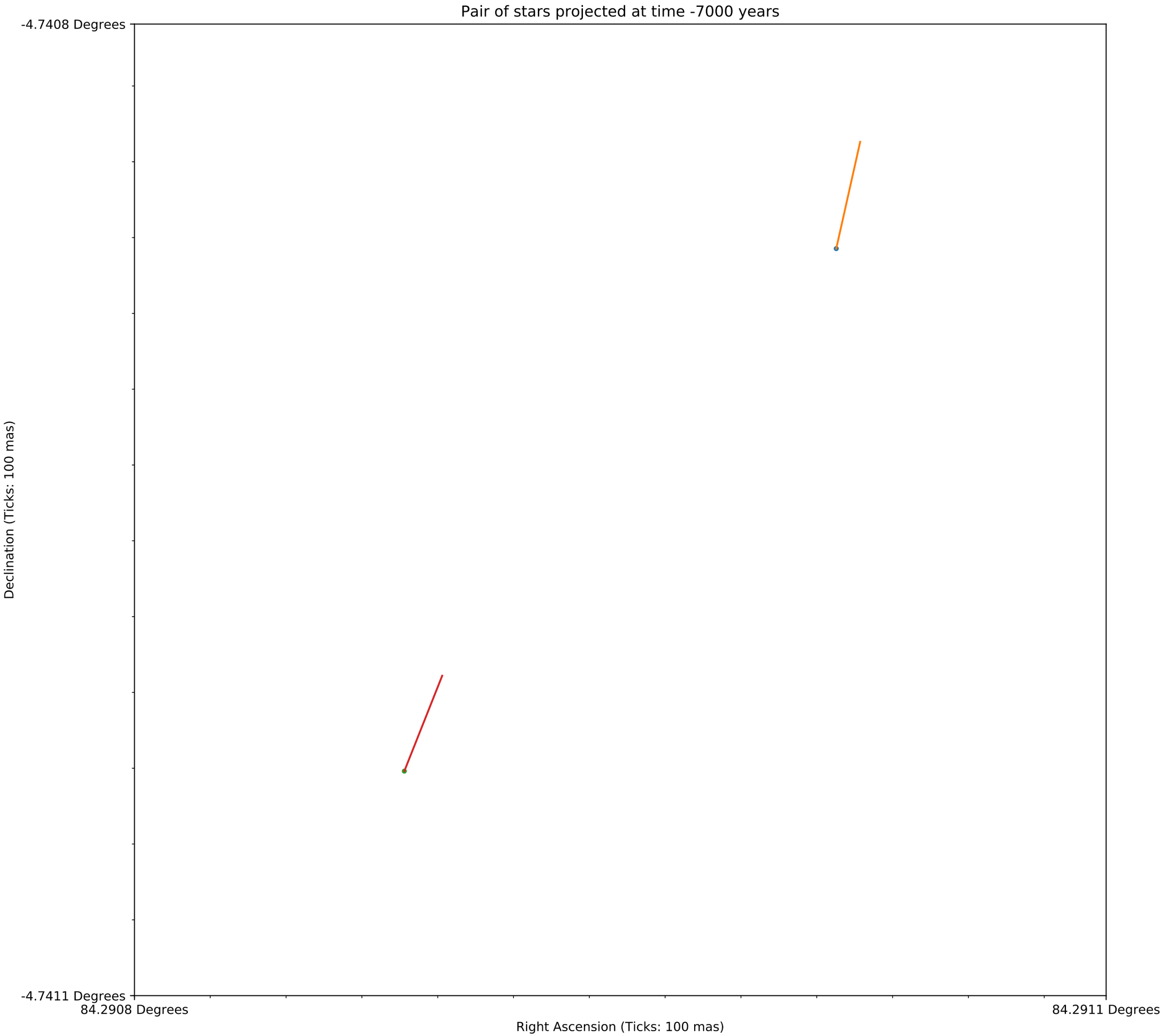

Pair of stars projected at time -4300 years
-6.5926 Degrees
Declination (Ticks: 100 mas)
-6.5932 Degrees
83.7182 Degrees
83.7188 Degrees
Right Ascension (Ticks: 100 mas)

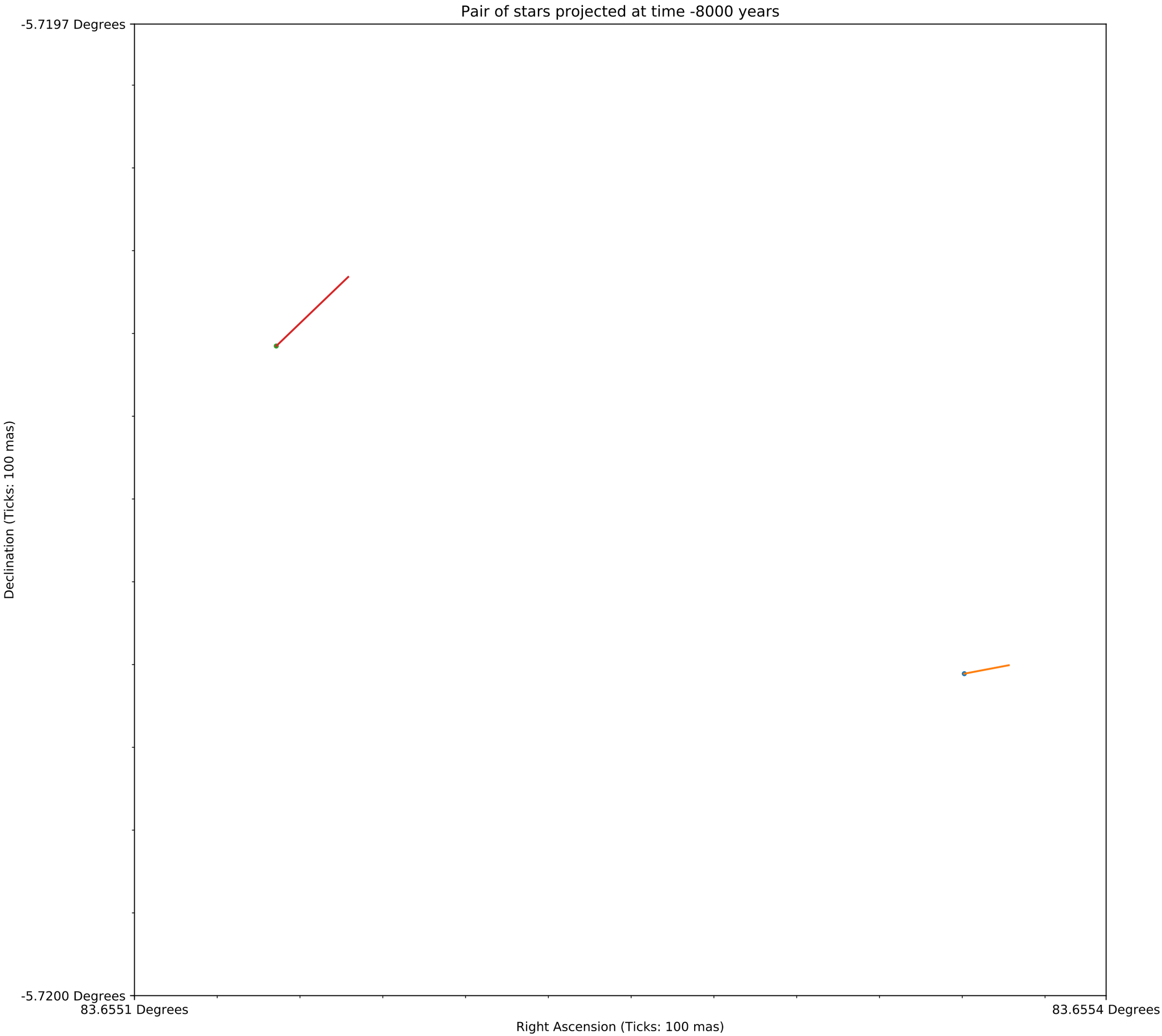
Pair of stars projected at time -4500 years
-3.5690 Degrees
Declination (Ticks: 100 mas)
-3.5694 Degrees
83.1775 Degrees
83.1779 Degrees
Right Ascension (Ticks: 100 mas)

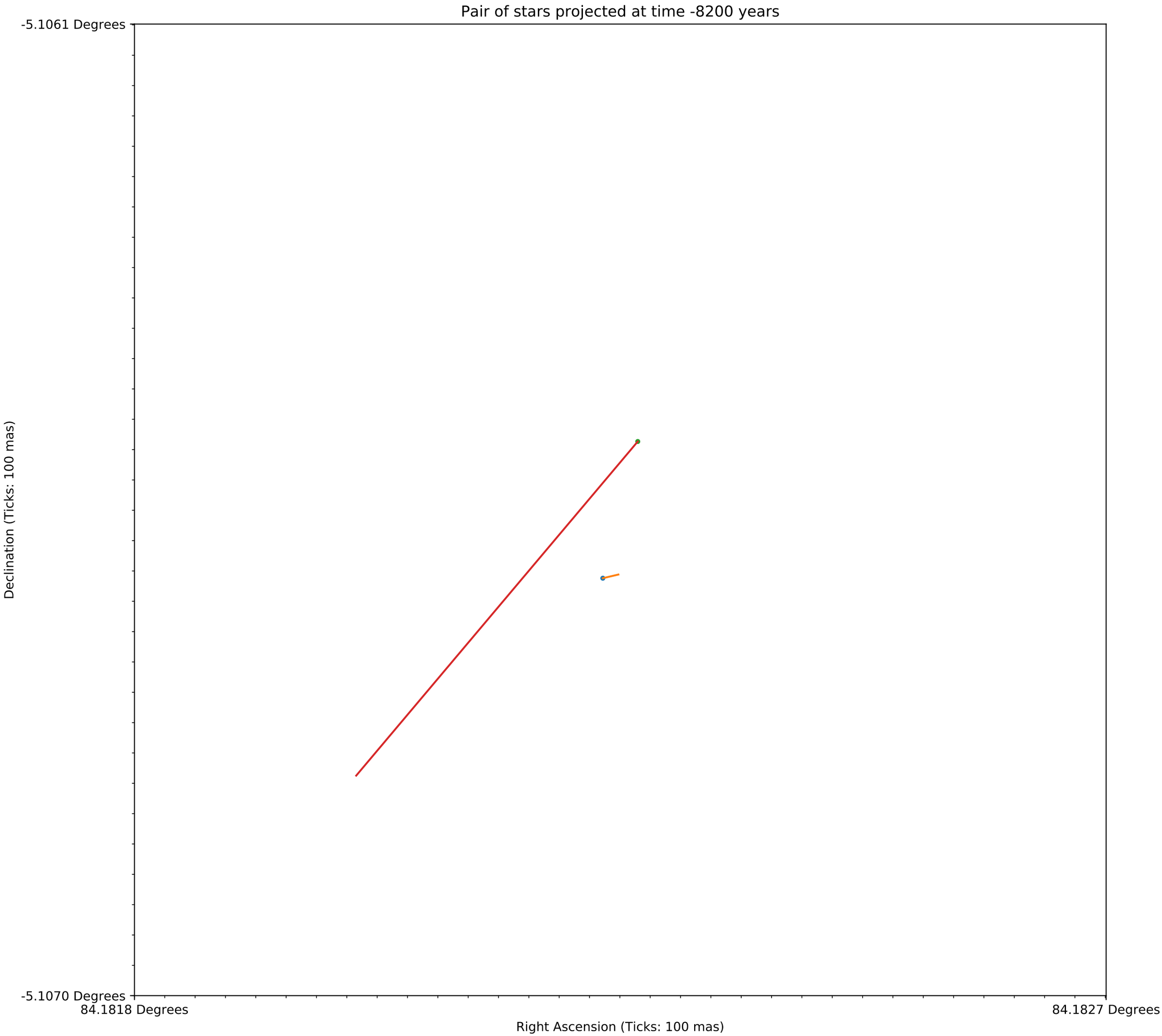

Pair of stars projected at time -4700 years
-6.4239 Degrees
Declination (Ticks: 100 mas)
-6.4243 Degrees
83.6612 Degrees
83.6616 Degrees
Right Ascension (Ticks: 100 mas)

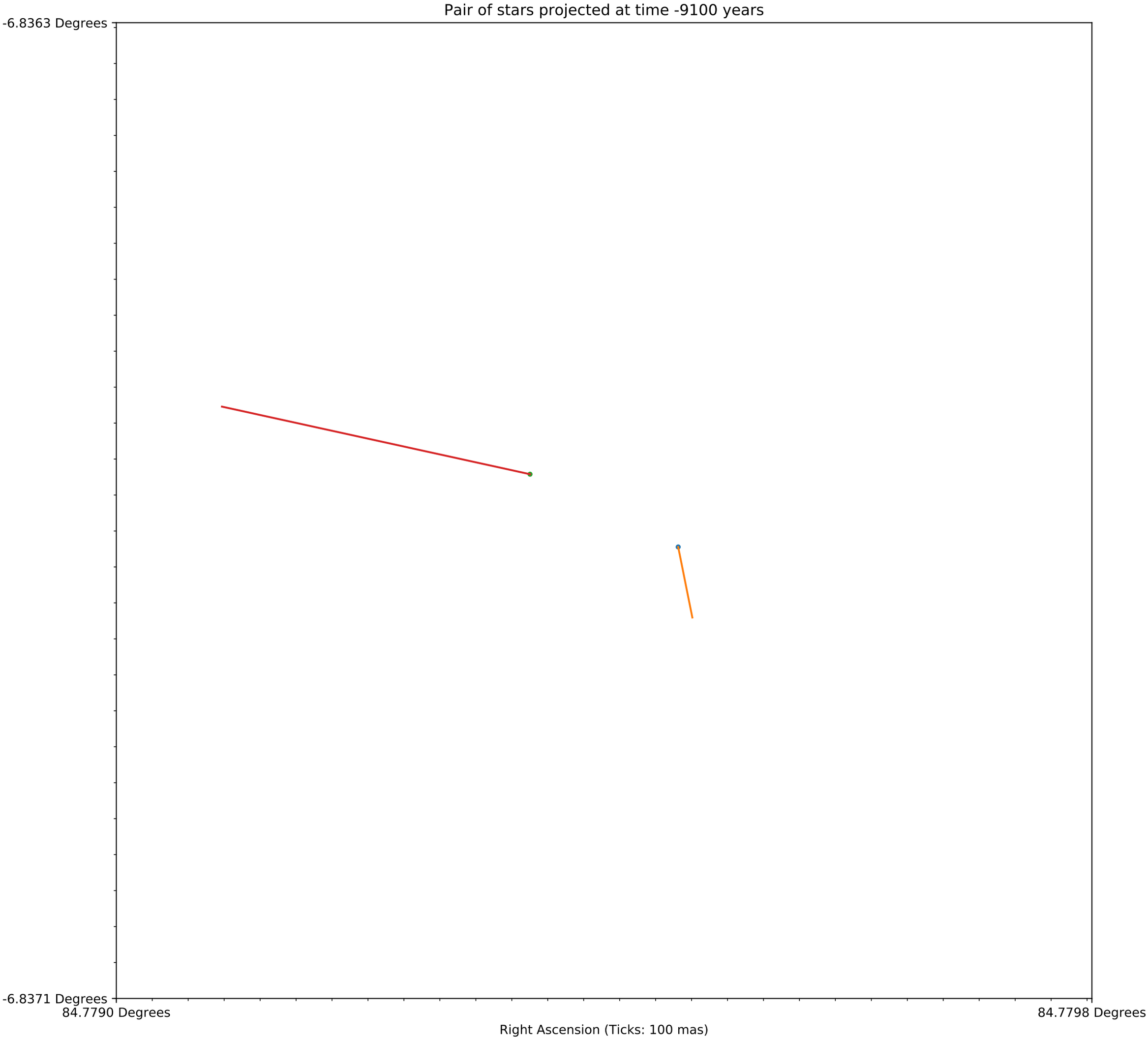

Pair of stars projected at time -5300 years
-5.9736 Degrees
-5.9749 Degrees
81.9875 Degrees
81.9888 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

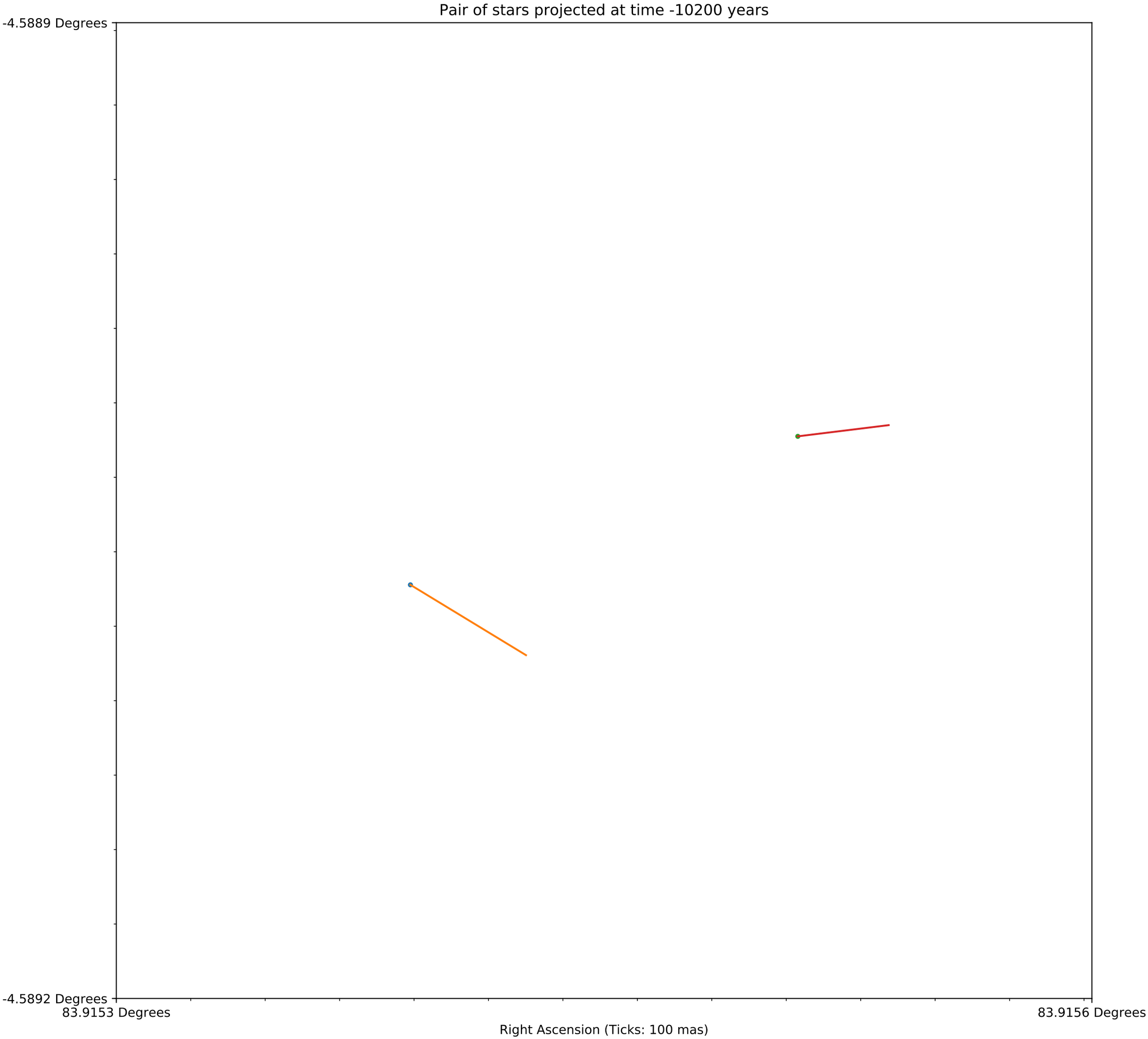

Pair of stars projected at time -6400 years
-5.2371 Degrees
Declination (Ticks: 100 mas)
-5.2378 Degrees
84.7751 Degrees
84.7758 Degrees
Right Ascension (Ticks: 100 mas)

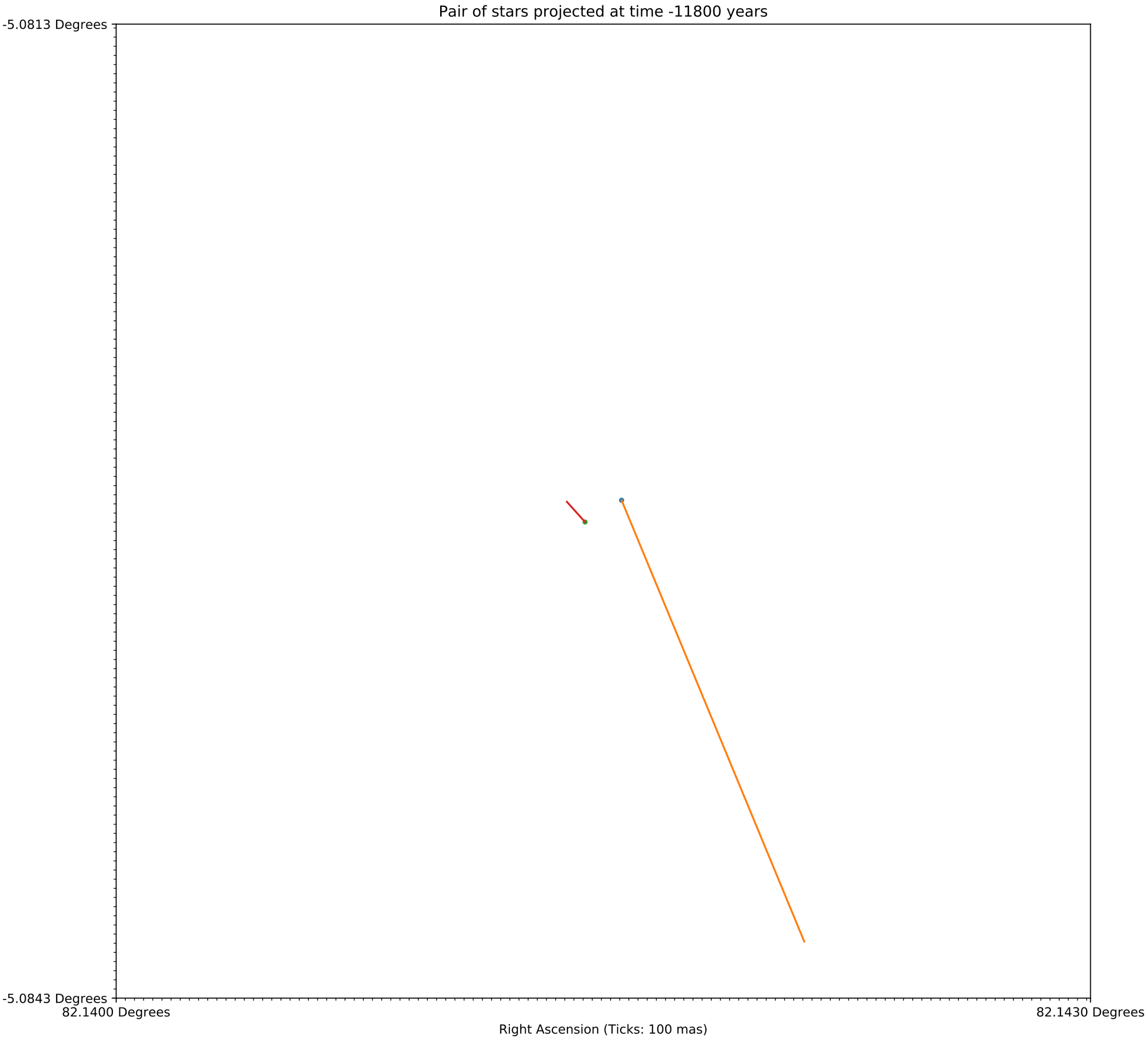

Pair of stars projected at time -7000 years
-4.7408 Degrees
Declination (Ticks: 100 mas)
-4.7411 Degrees
84.2908 Degrees
84.2911 Degrees
Right Ascension (Ticks: 100 mas)

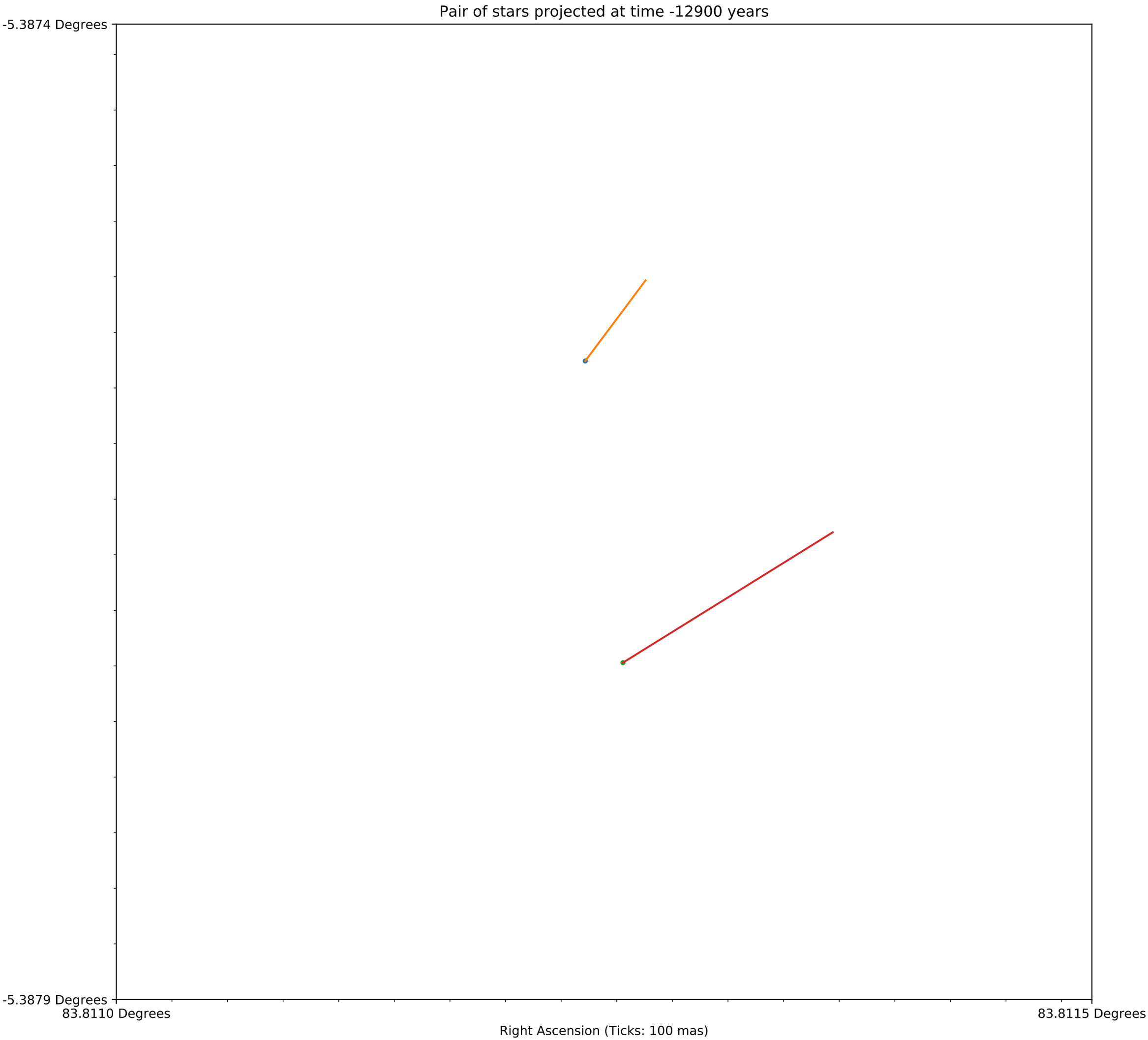

Pair of stars projected at time -8000 years
-5.7197 Degrees
-5.7200 Degrees
83.6551 Degrees
83.6554 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -8200 years
-5.1061 Degrees
Declination (Ticks: 100 mas)
-5.1070 Degrees
84.1818 Degrees
84.1827 Degrees
Right Ascension (Ticks: 100 mas)

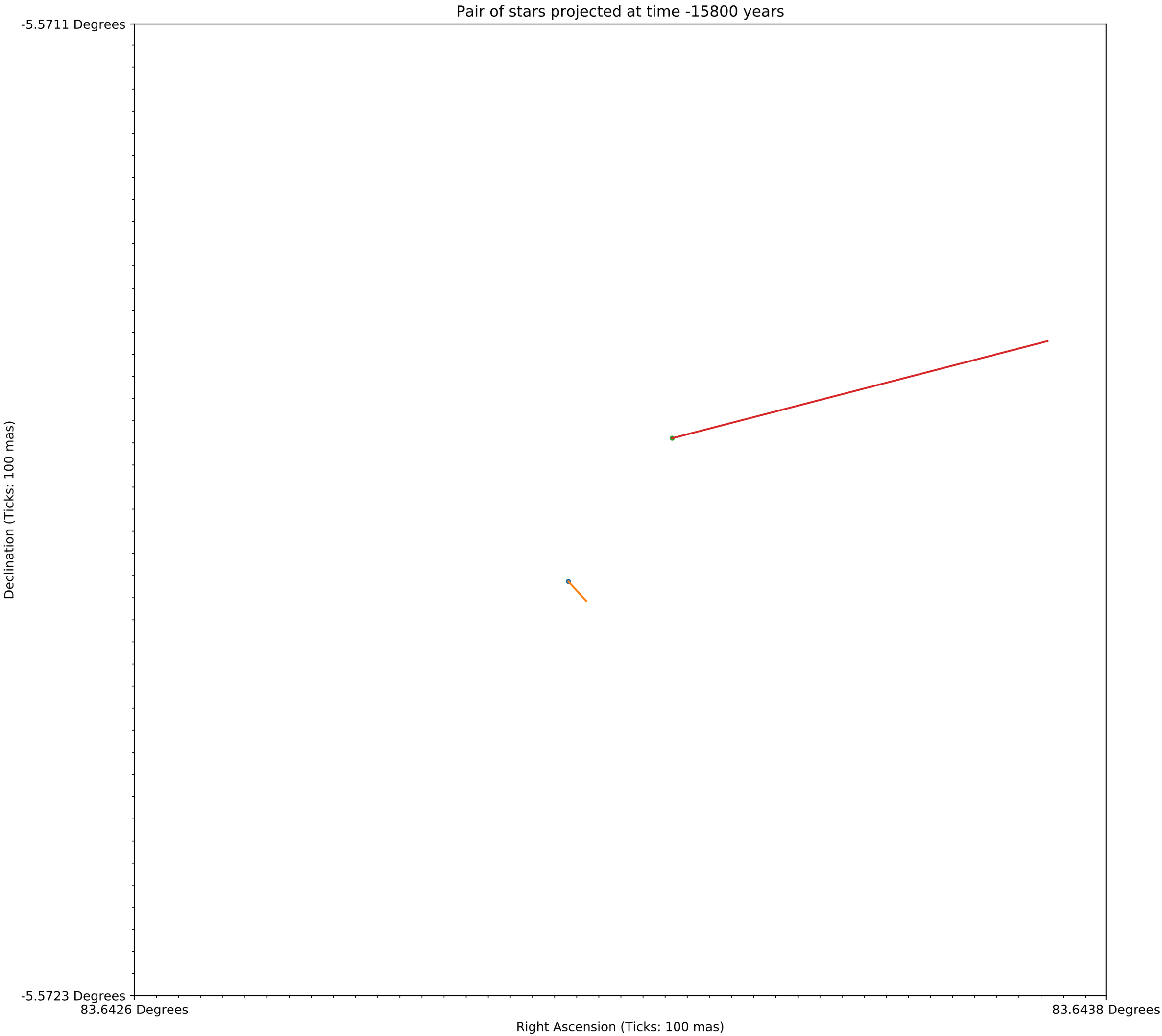

Pair of stars projected at time -9100 years
-6.8363 Degrees
Declination (Ticks: 100 mas)
-6.8371 Degrees
84.7790 Degrees
84.7798 Degrees
Right Ascension (Ticks: 100 mas)

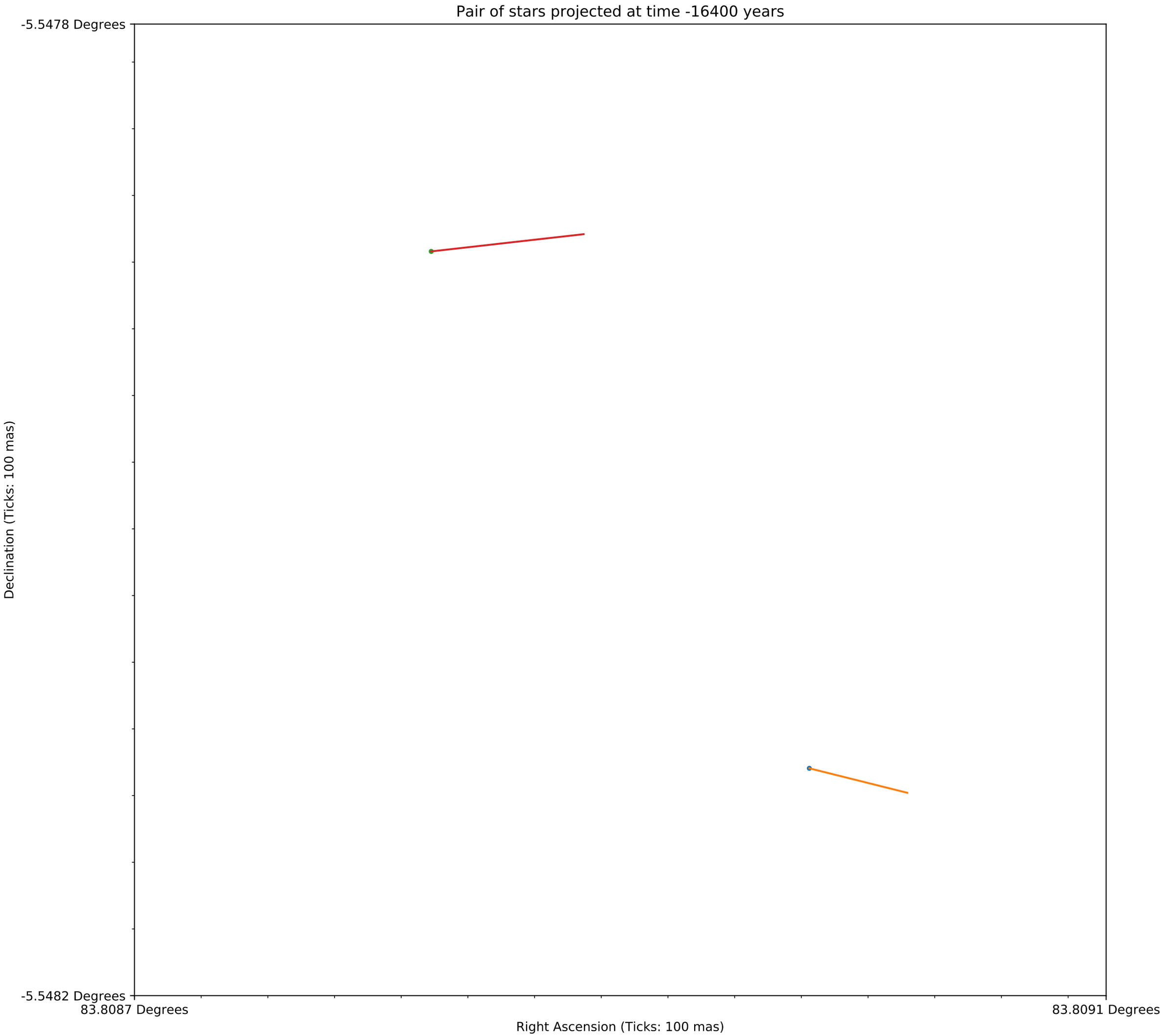

Pair of stars projected at time -10200 years
-4.5889 Degrees
-4.5892 Degrees
83.9153 Degrees
83.9156 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

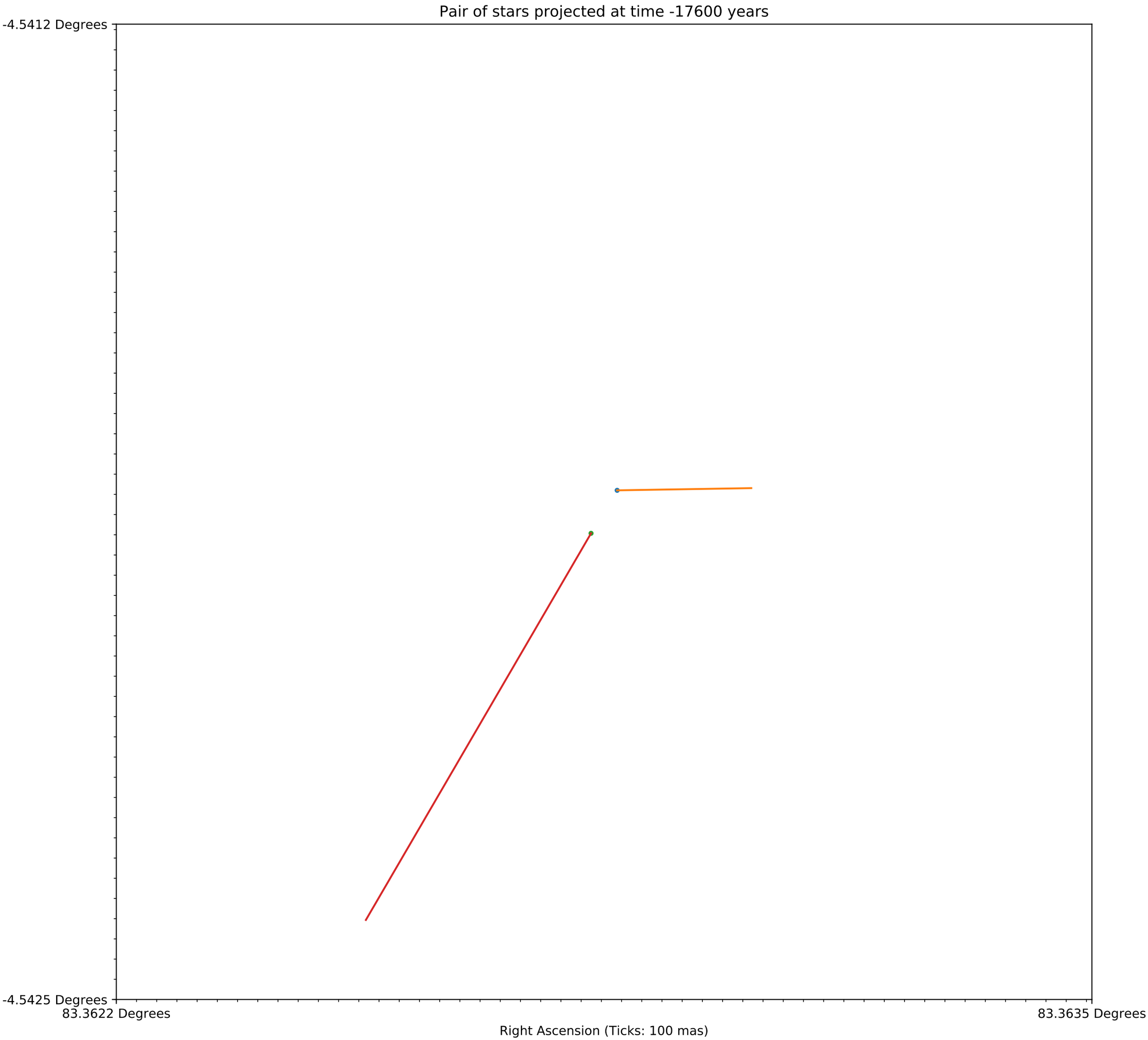

Pair of stars projected at time -11800 years
-5.0813 Degrees
Declination (Ticks: 100 mas)
-5.0843 Degrees
82.1400 Degrees
82.1430 Degrees
Right Ascension (Ticks: 100 mas)

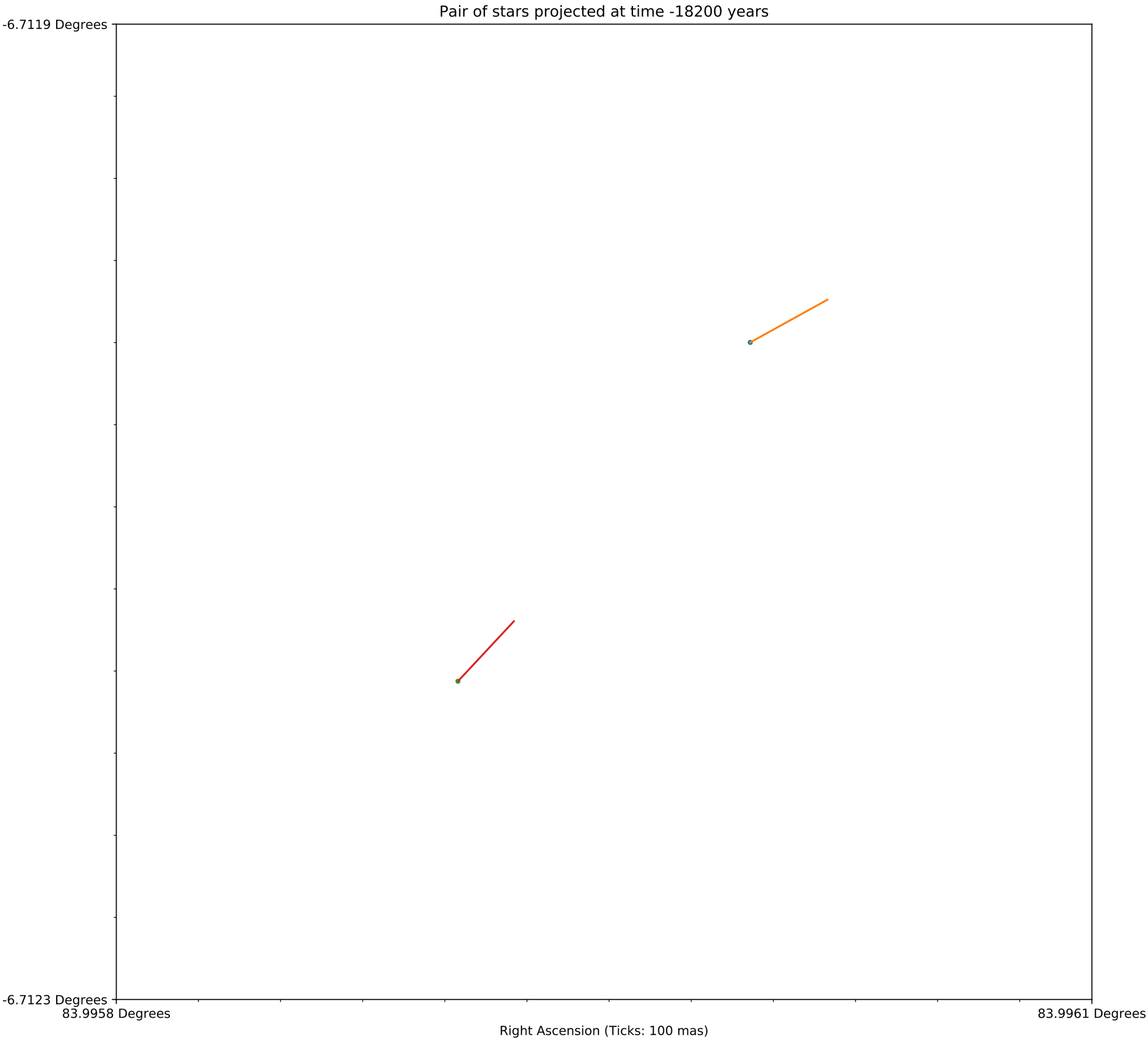

Pair of stars projected at time -12900 years
-5.3874 Degrees
Declination (Ticks: 100 mas)
-5.3879 Degrees
83.8110 Degrees
83.8115 Degrees
Right Ascension (Ticks: 100 mas)

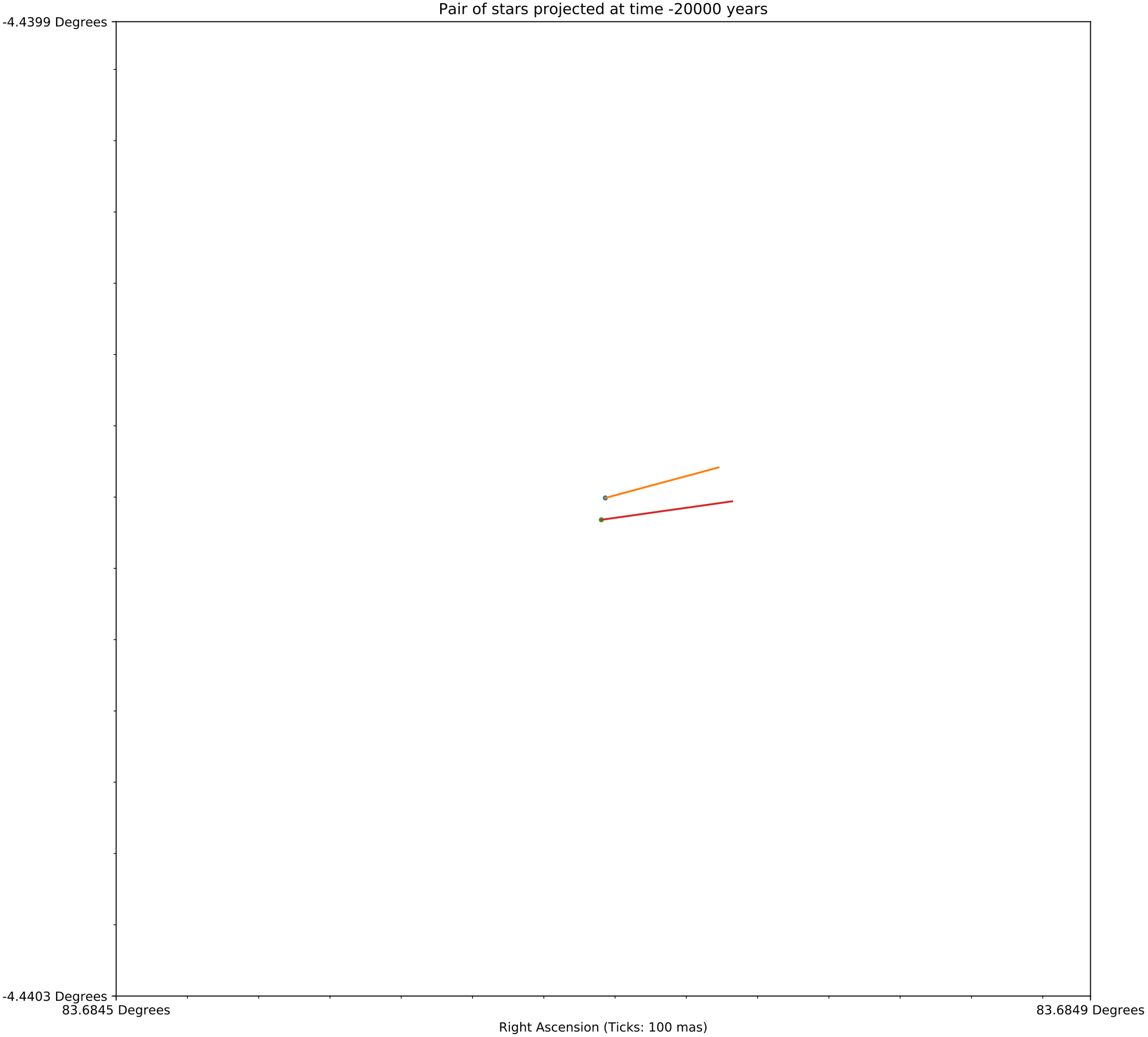
Pair of stars projected at time -13200 years
-6.5074 Degrees
Declination (Ticks: 100 mas)
-6.5082 Degrees
83.8813 Degrees
83.8821 Degrees
Right Ascension (Ticks: 100 mas)

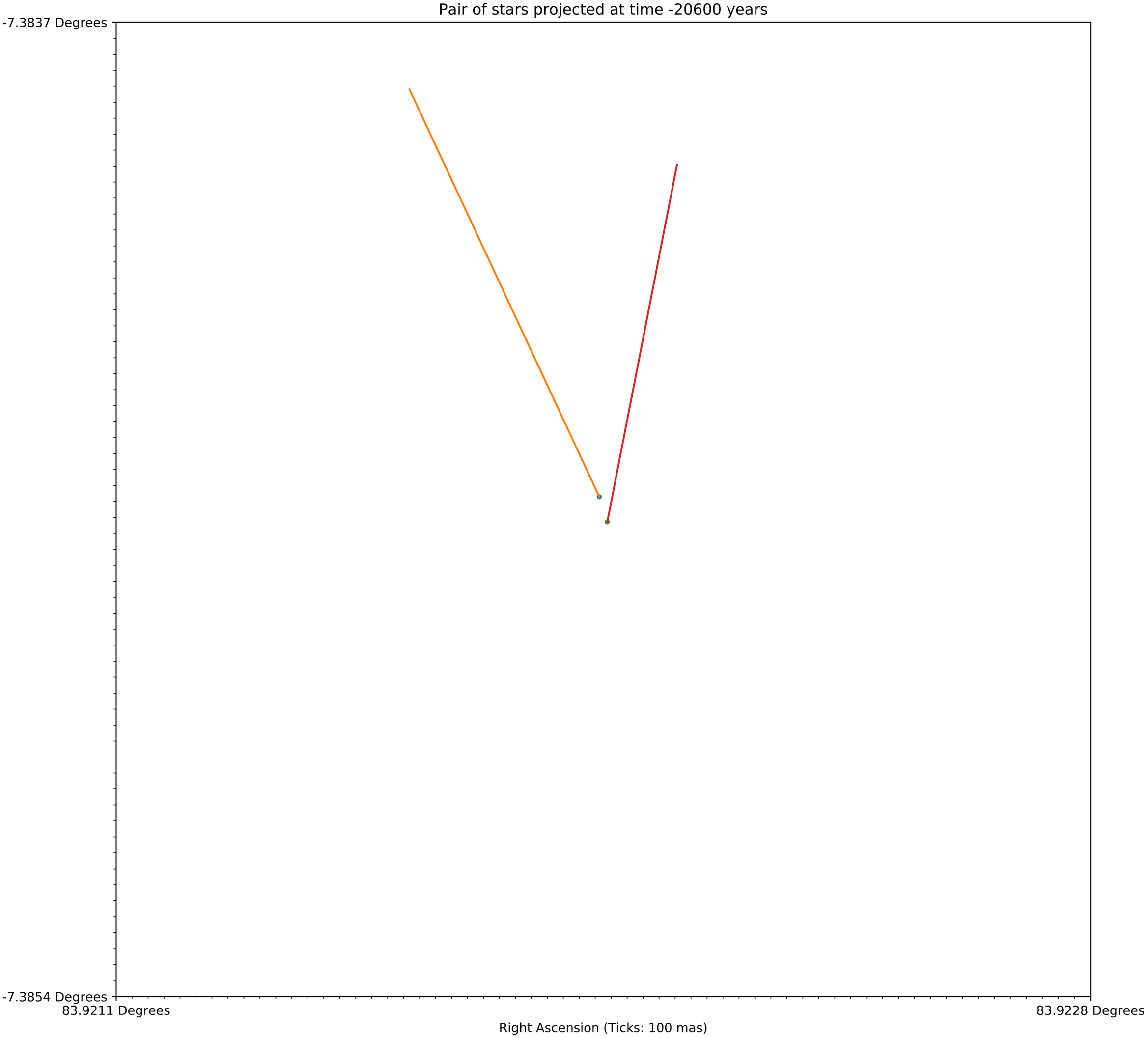

Pair of stars projected at time -15800 years
-5.5711 Degrees
Declination (Ticks: 100 mas)
-5.5723 Degrees
83.6426 Degrees
83.6438 Degrees
Right Ascension (Ticks: 100 mas)

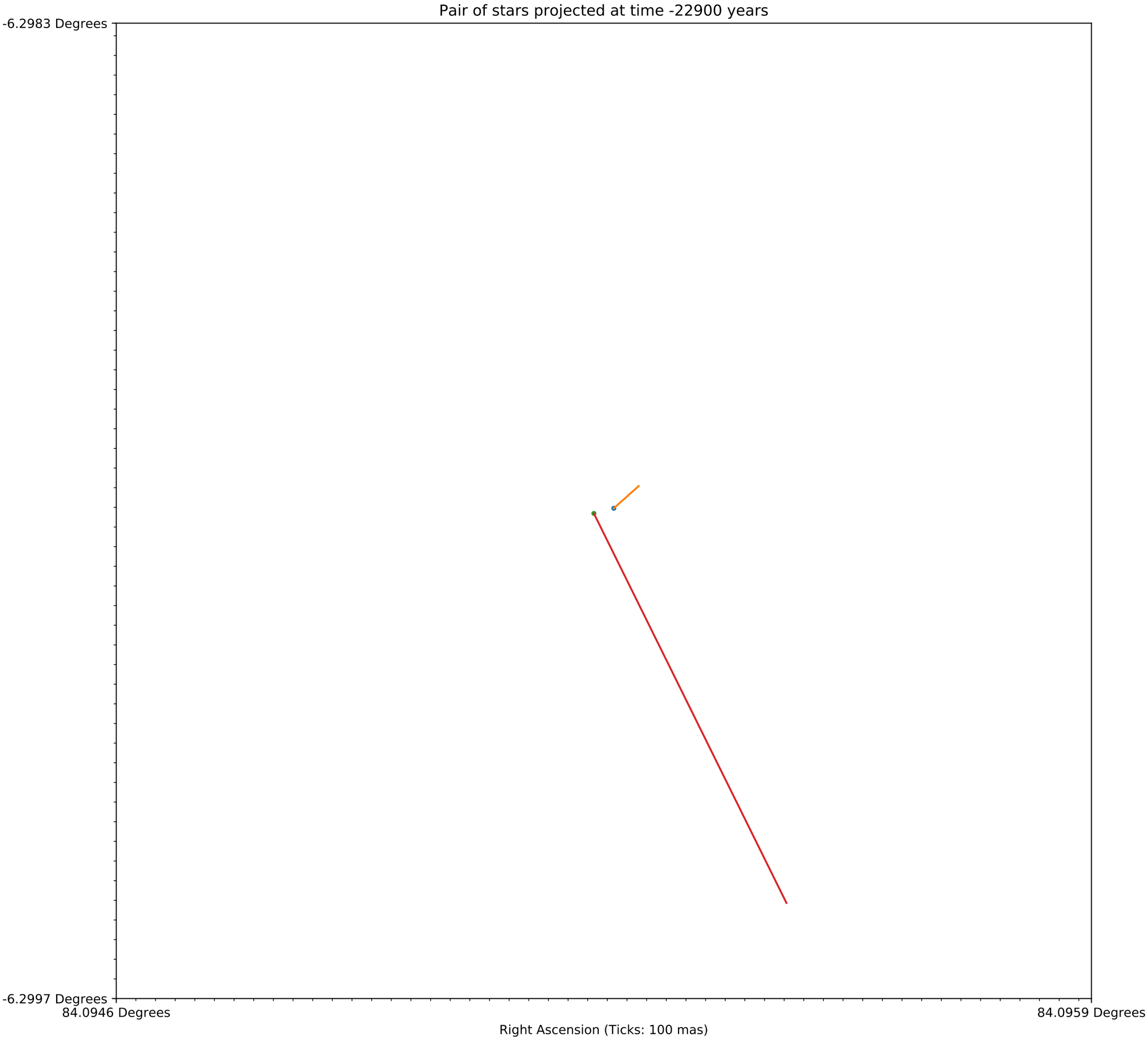

Pair of stars projected at time -16400 years
-5.5478 Degrees
-5.5482 Degrees
83.8087 Degrees
83.8091 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

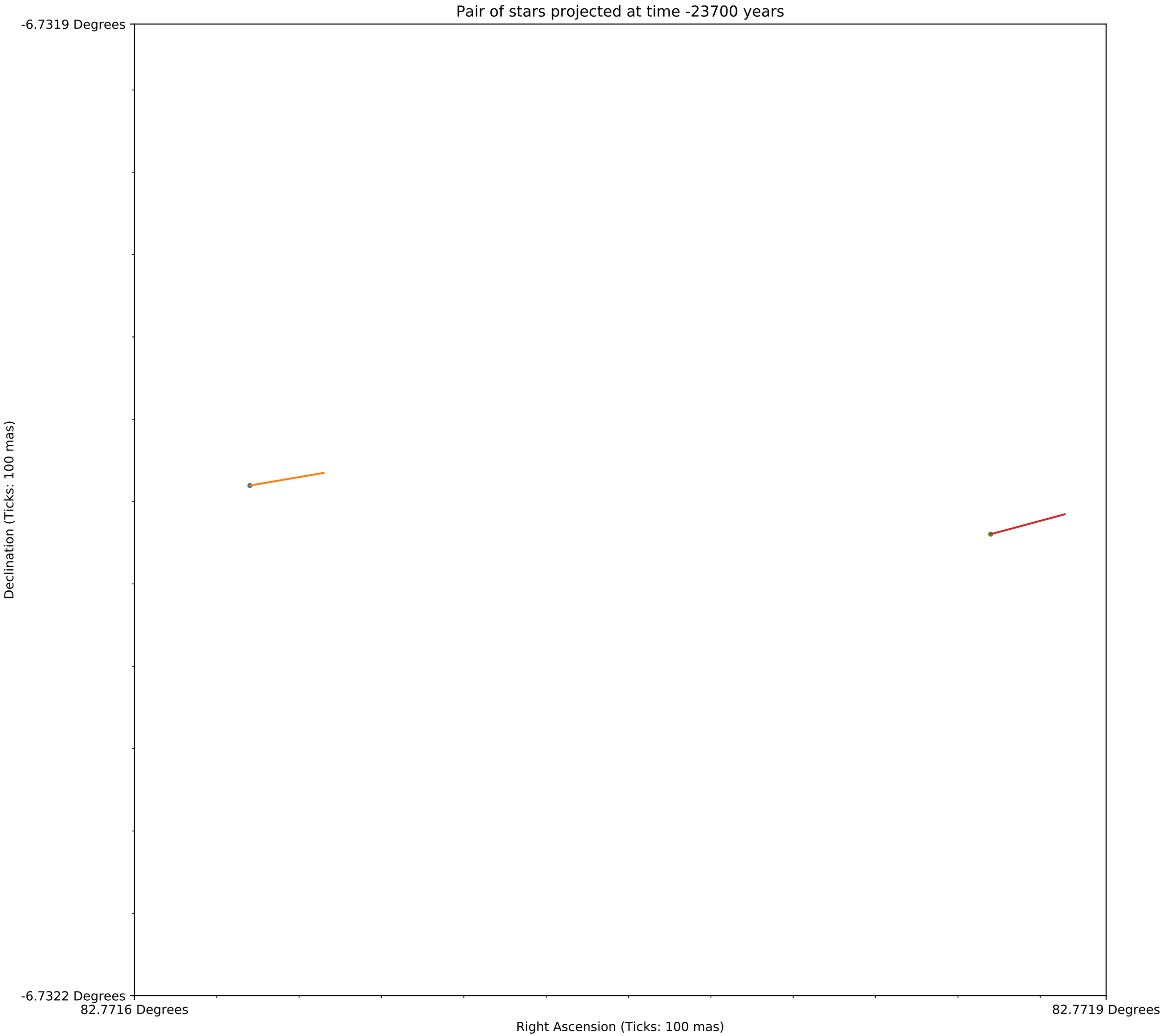

Pair of stars projected at time -17600 years
-4.5412 Degrees
Declination (Ticks: 100 mas)
-4.5425 Degrees
83.3622 Degrees
83.3635 Degrees
Right Ascension (Ticks: 100 mas)

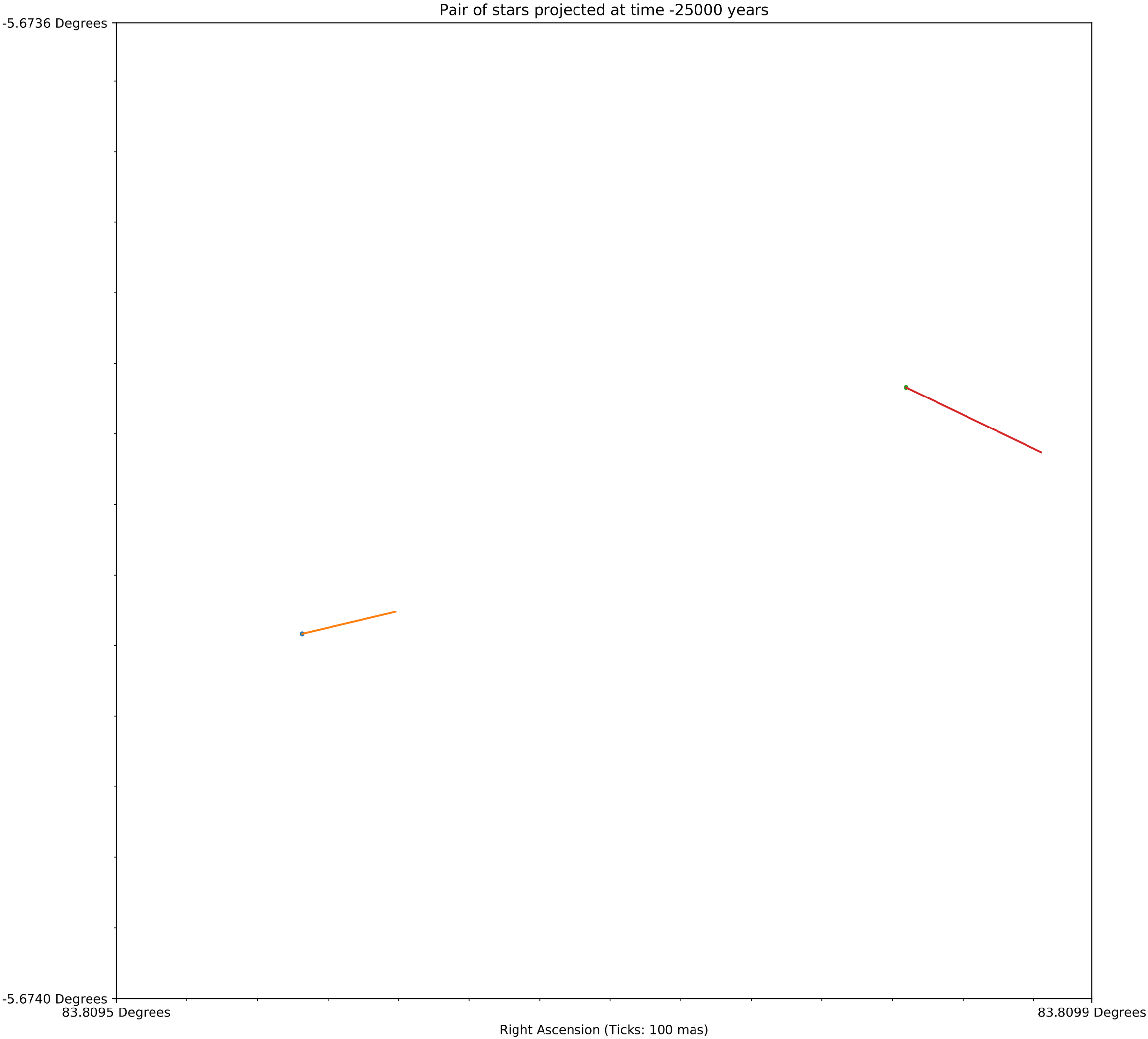

Pair of stars projected at time -18200 years
-6.7119 Degrees
Declination (Ticks: 100 mas)
-6.7123 Degrees
83.9958 Degrees
83.9961 Degrees
Right Ascension (Ticks: 100 mas)

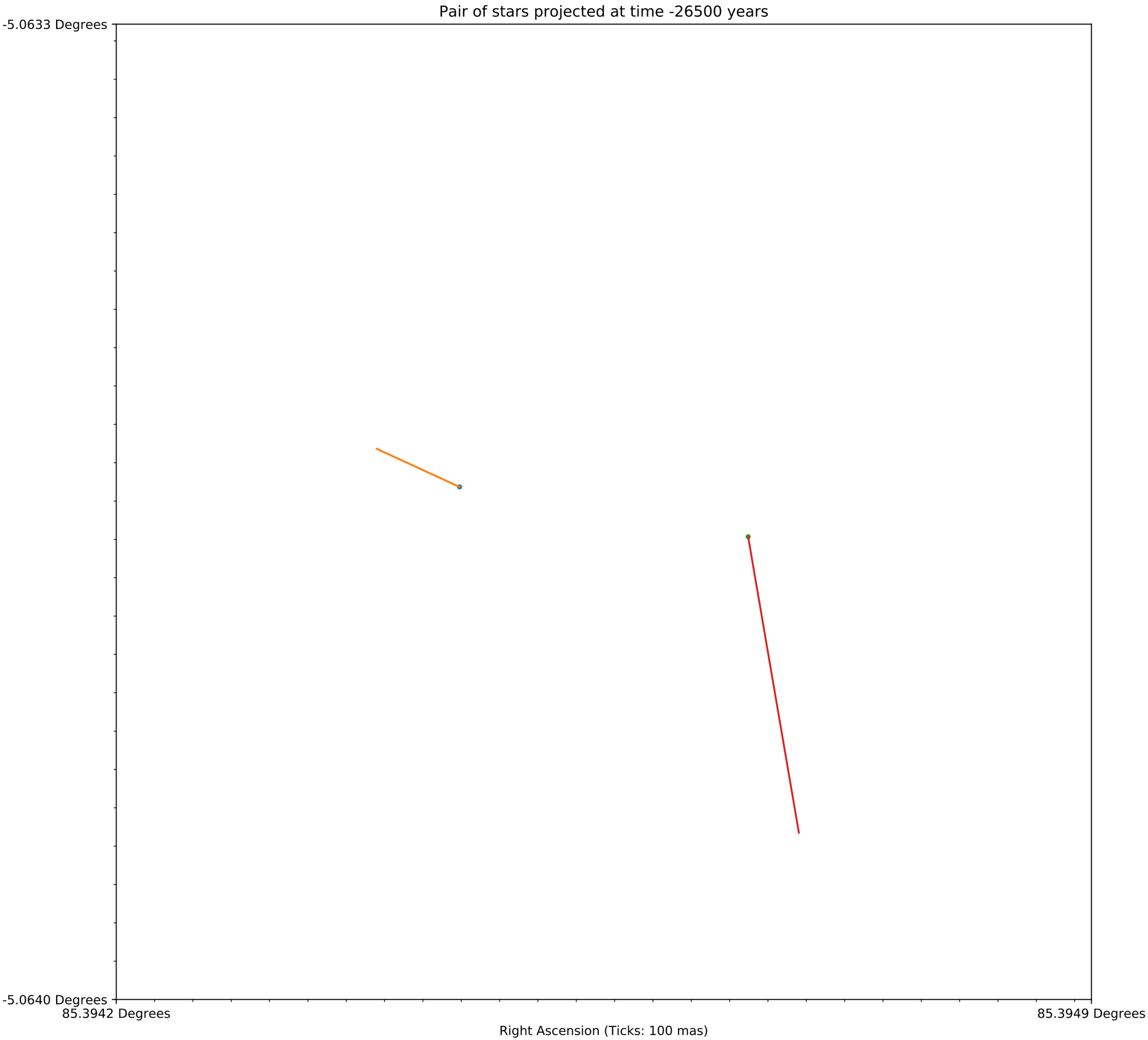

Pair of stars projected at time -20000 years
-4.4399 Degrees
-4.4403 Degrees
83.6845 Degrees
83.6849 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

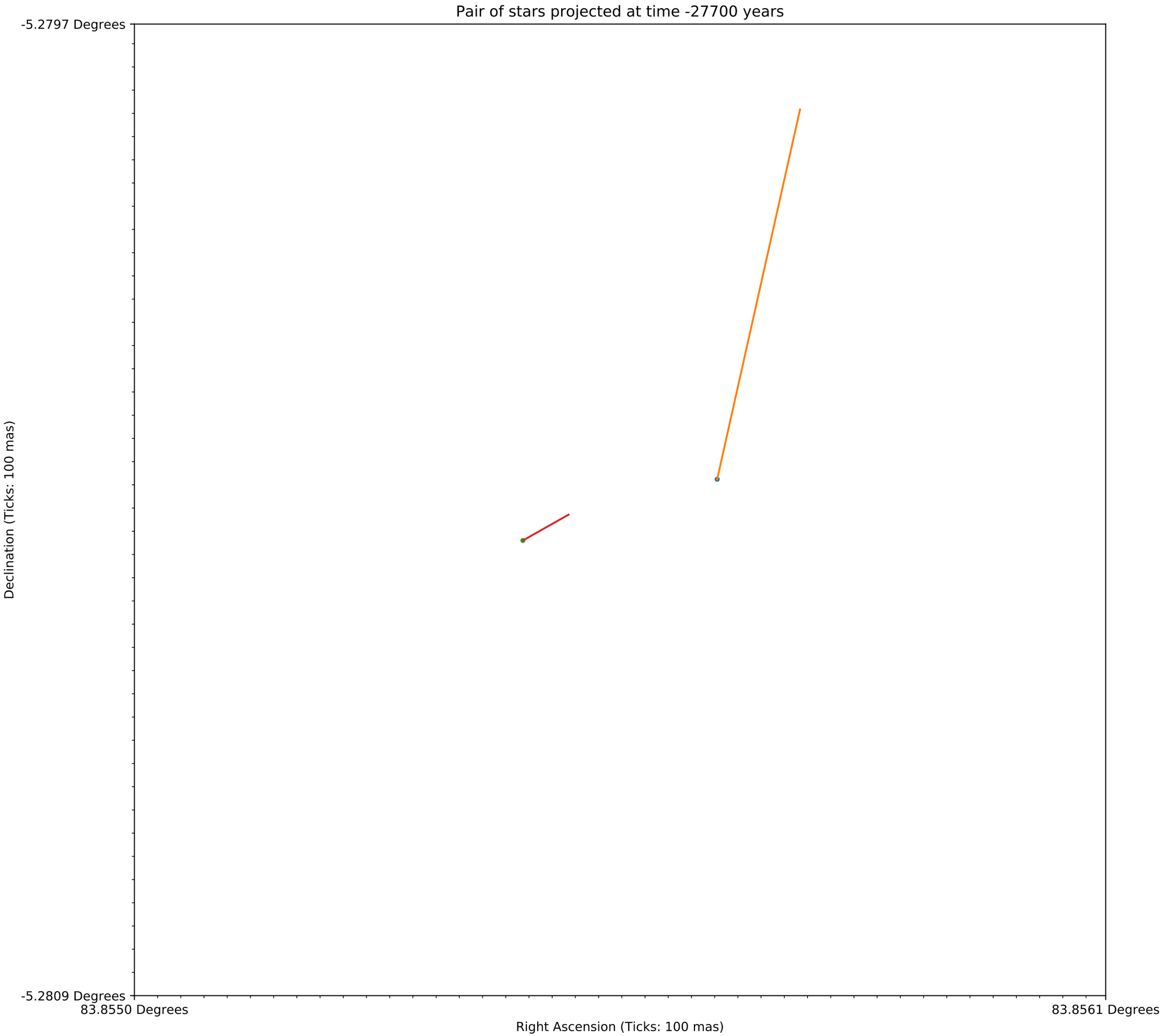

Pair of stars projected at time -20600 years
-7.3837 Degrees
Declination (Ticks: 100 mas)
-7.3854 Degrees
83.9211 Degrees
83.9228 Degrees
Right Ascension (Ticks: 100 mas)

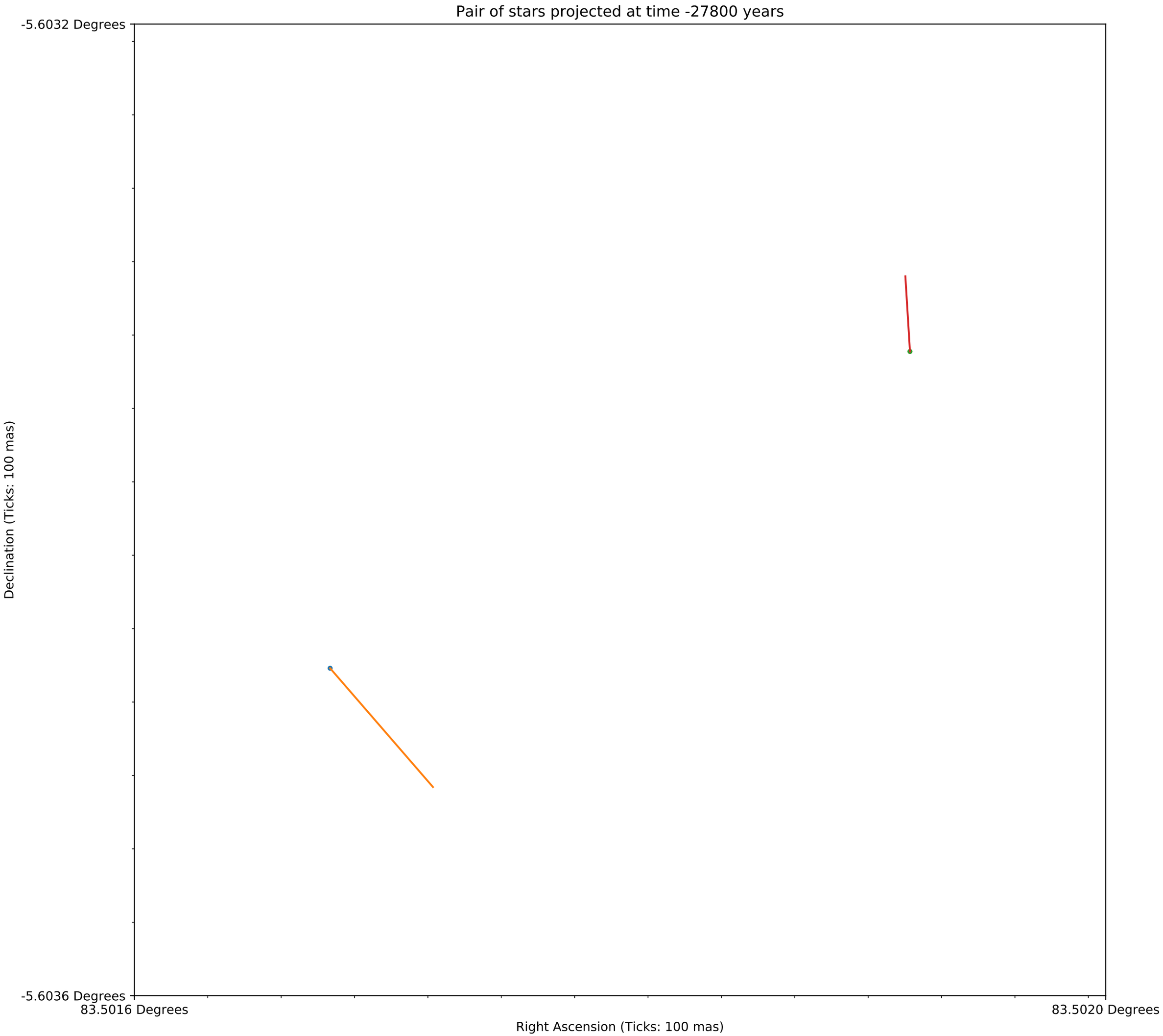

Pair of stars projected at time -22900 years
-6.2983 Degrees
-6.2997 Degrees
84.0946 Degrees
84.0959 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

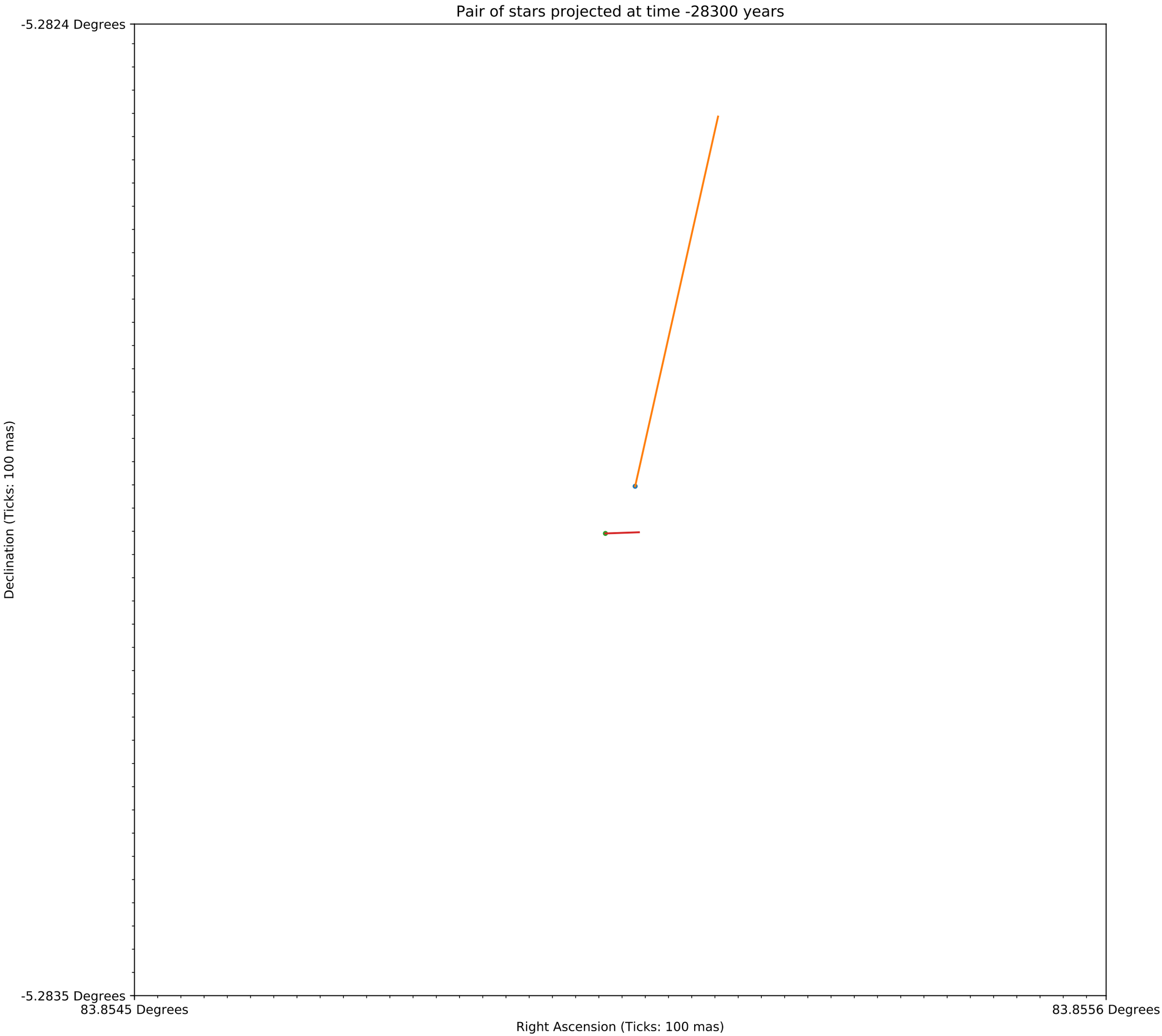

Pair of stars projected at time -23700 years
-6.7319 Degrees
-6.7322 Degrees
82.7716 Degrees
82.7719 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

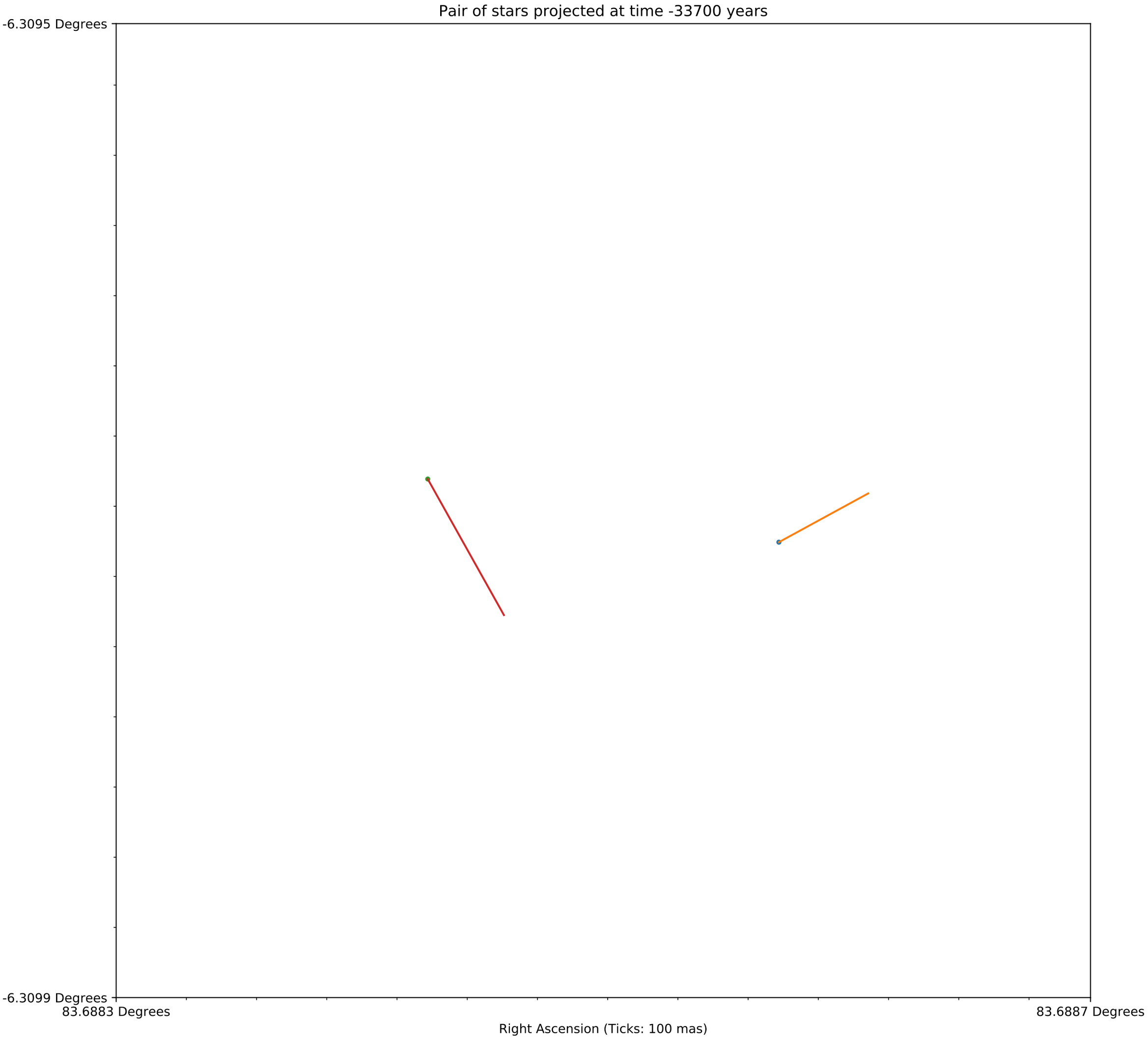

Pair of stars projected at time -25000 years
-5.6736 Degrees
-5.6740 Degrees
83.8095 Degrees
83.8099 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

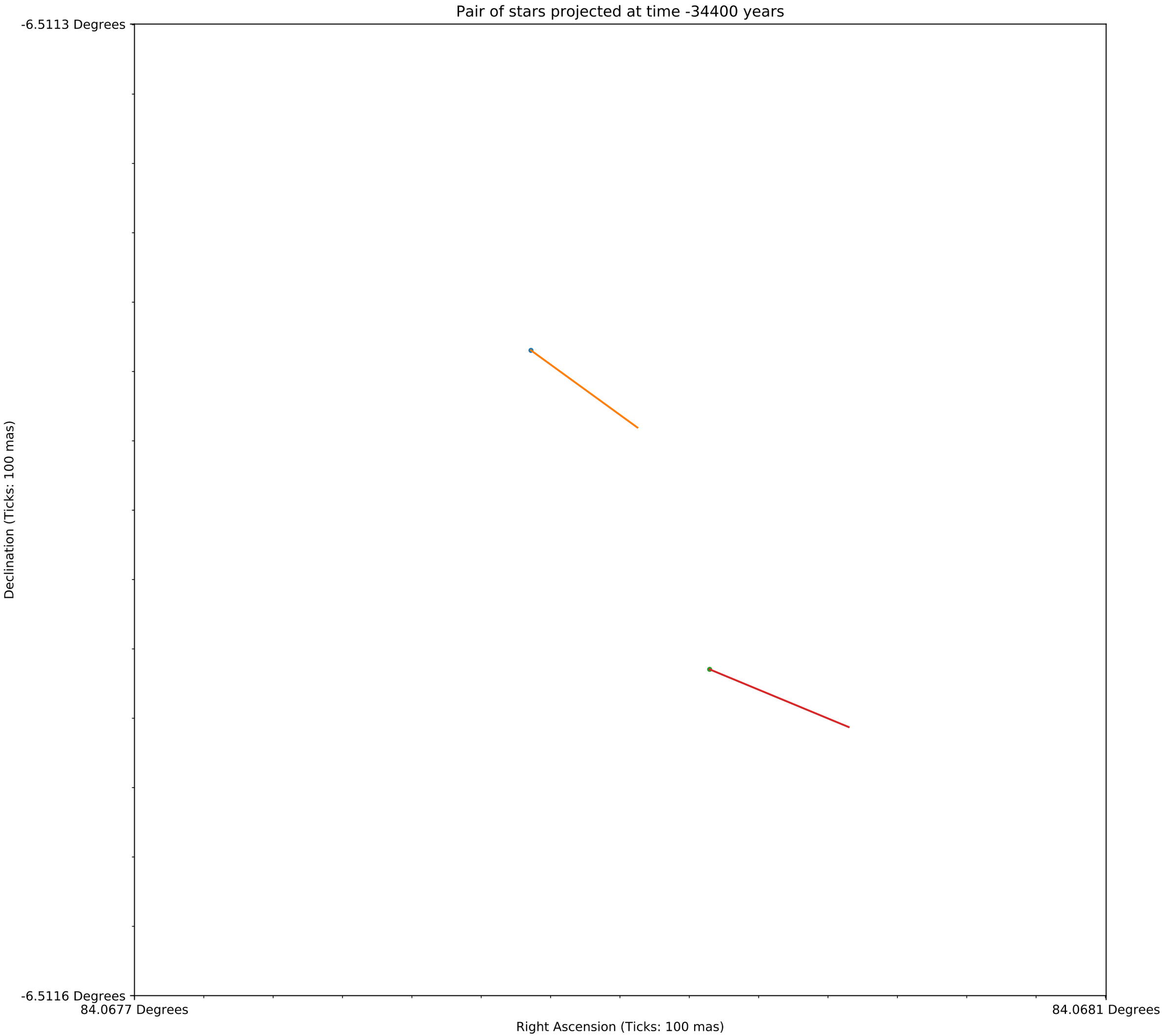

Pair of stars projected at time -26500 years
-5.0633 Degrees
Declination (Ticks: 100 mas)
-5.0640 Degrees
85.3942 Degrees
85.3949 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -27700 years
-5.2797 Degrees
-5.2809 Degrees
83.8550 Degrees
83.8561 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

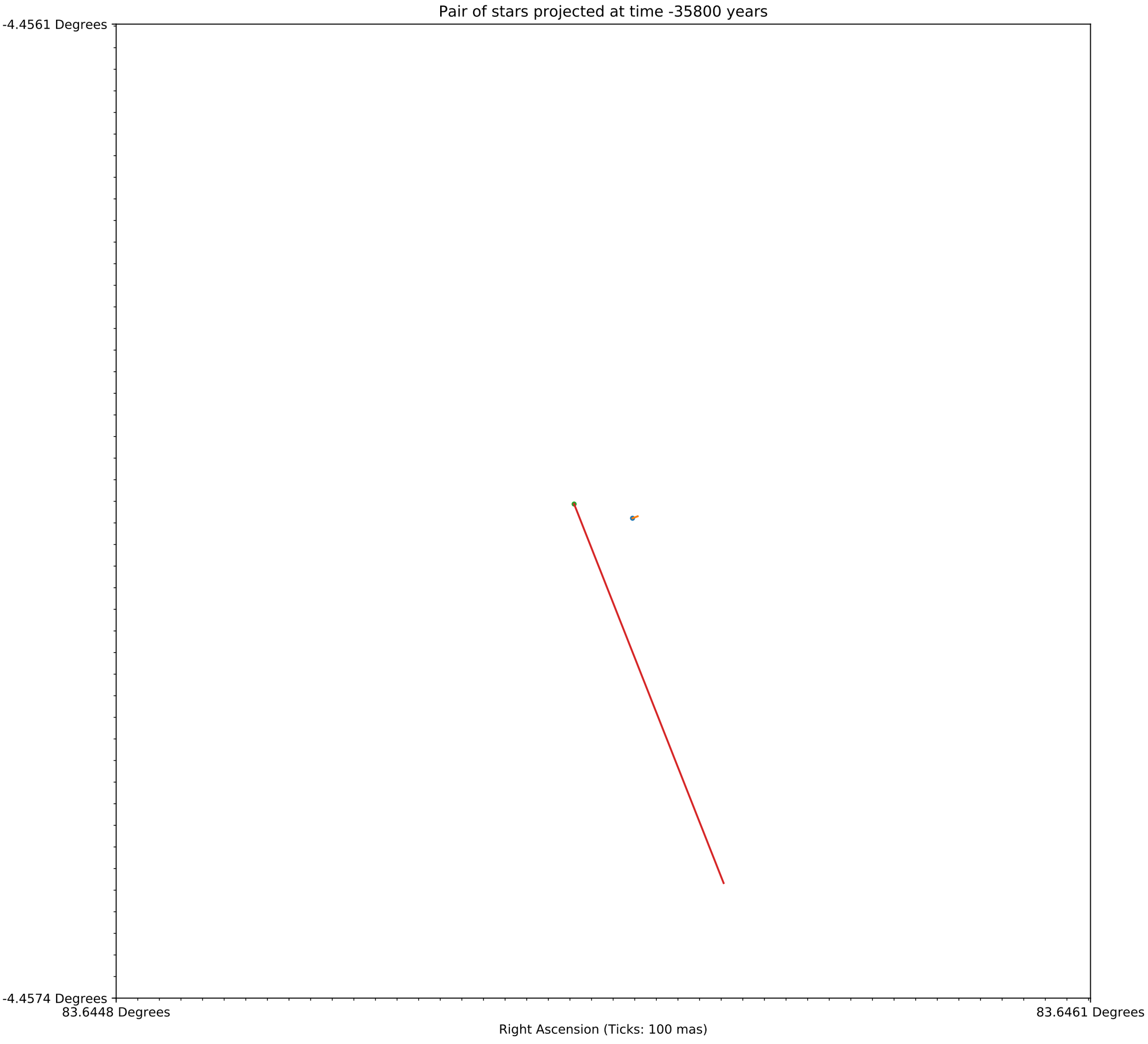

Pair of stars projected at time -27800 years
-5.6032 Degrees
-5.6036 Degrees
83.5016 Degrees
83.5020 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

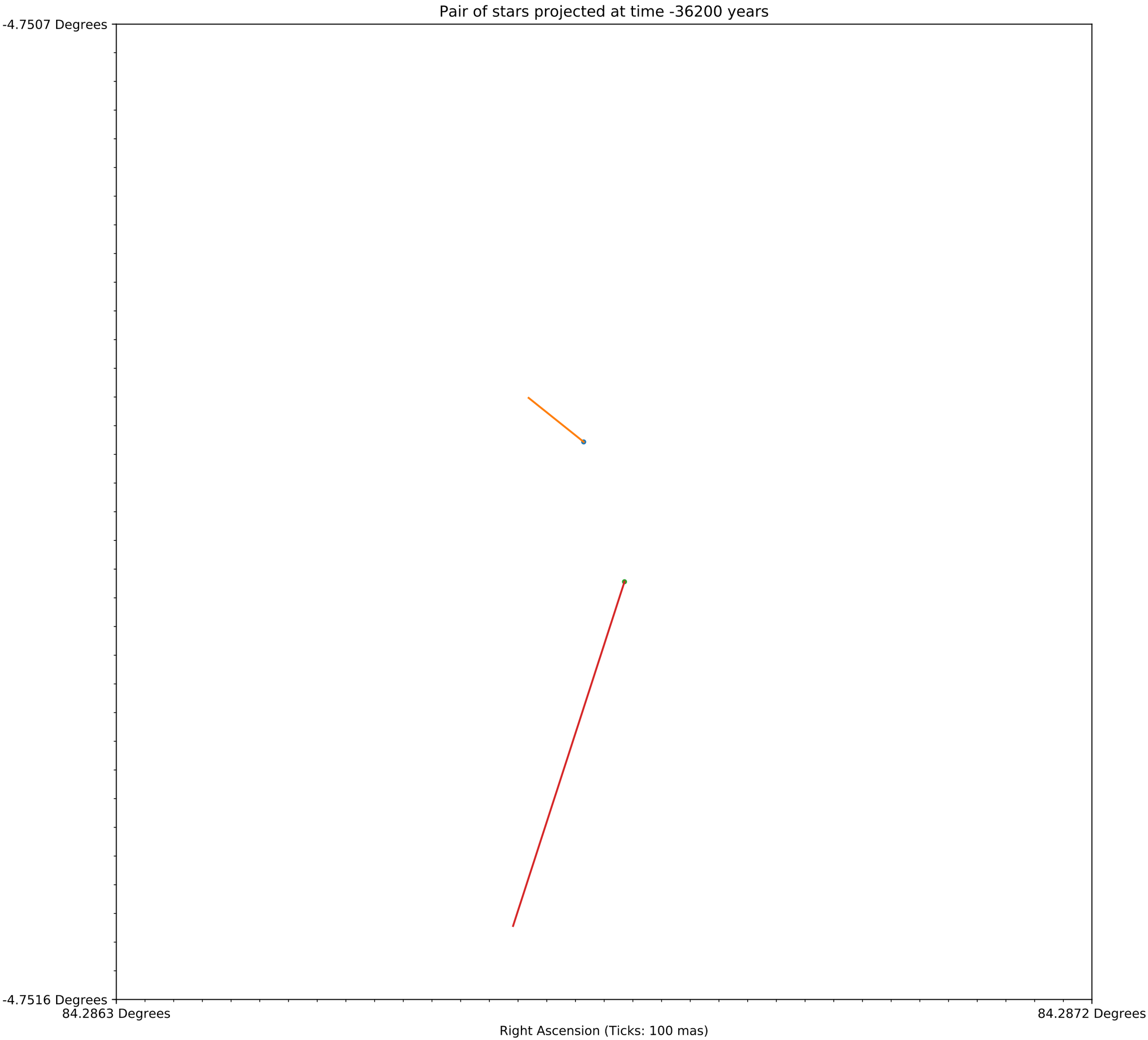

Pair of stars projected at time -28300 years
-5.2824 Degrees
-5.2835 Degrees
83.8545 Degrees
83.8556 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

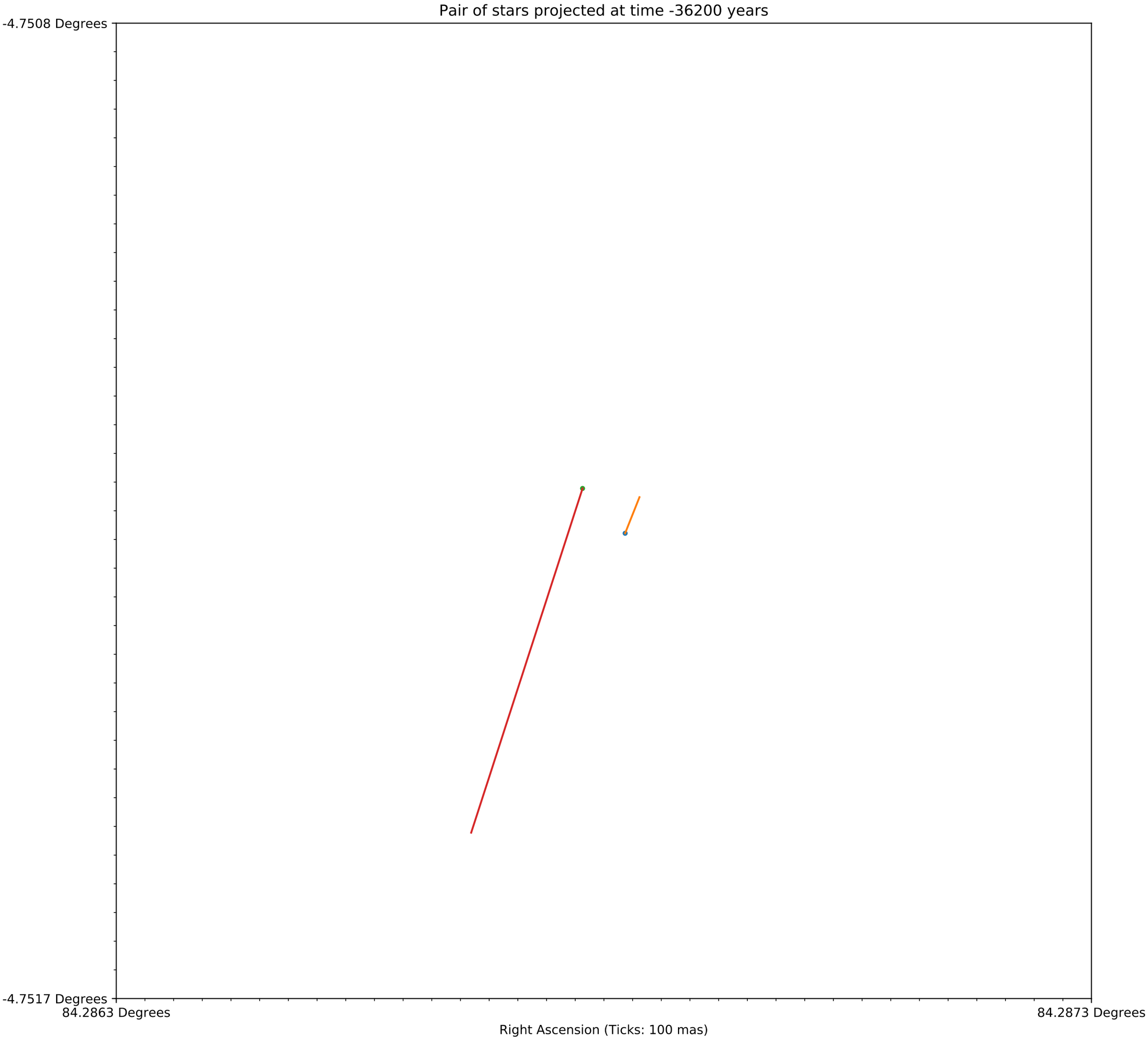

Pair of stars projected at time -33700 years
-6.3095 Degrees
-6.3099 Degrees
83.6883 Degrees
83.6887 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

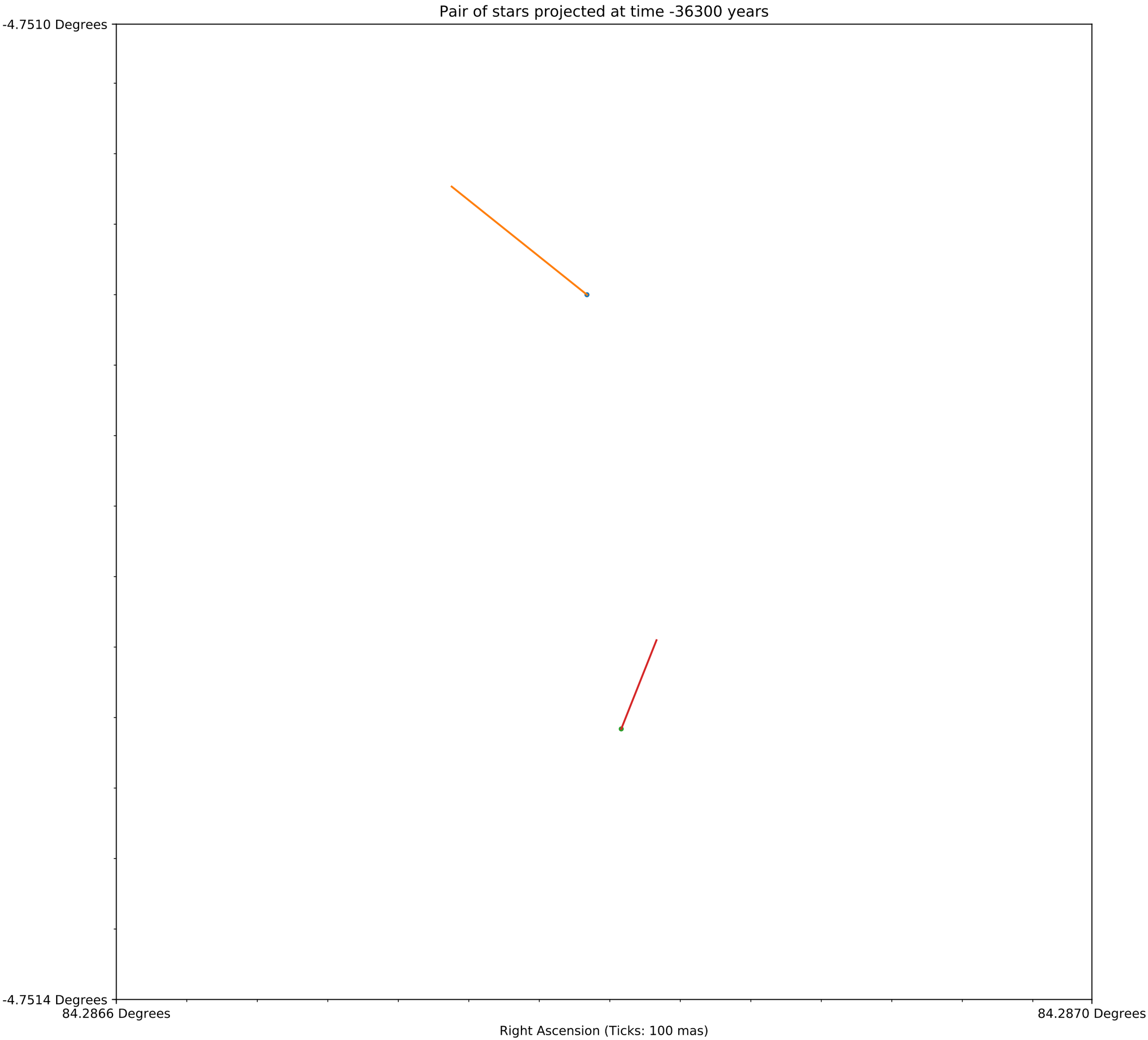

Pair of stars projected at time -34400 years
-6.5113 Degrees
-6.5116 Degrees
84.0677 Degrees
84.0681 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

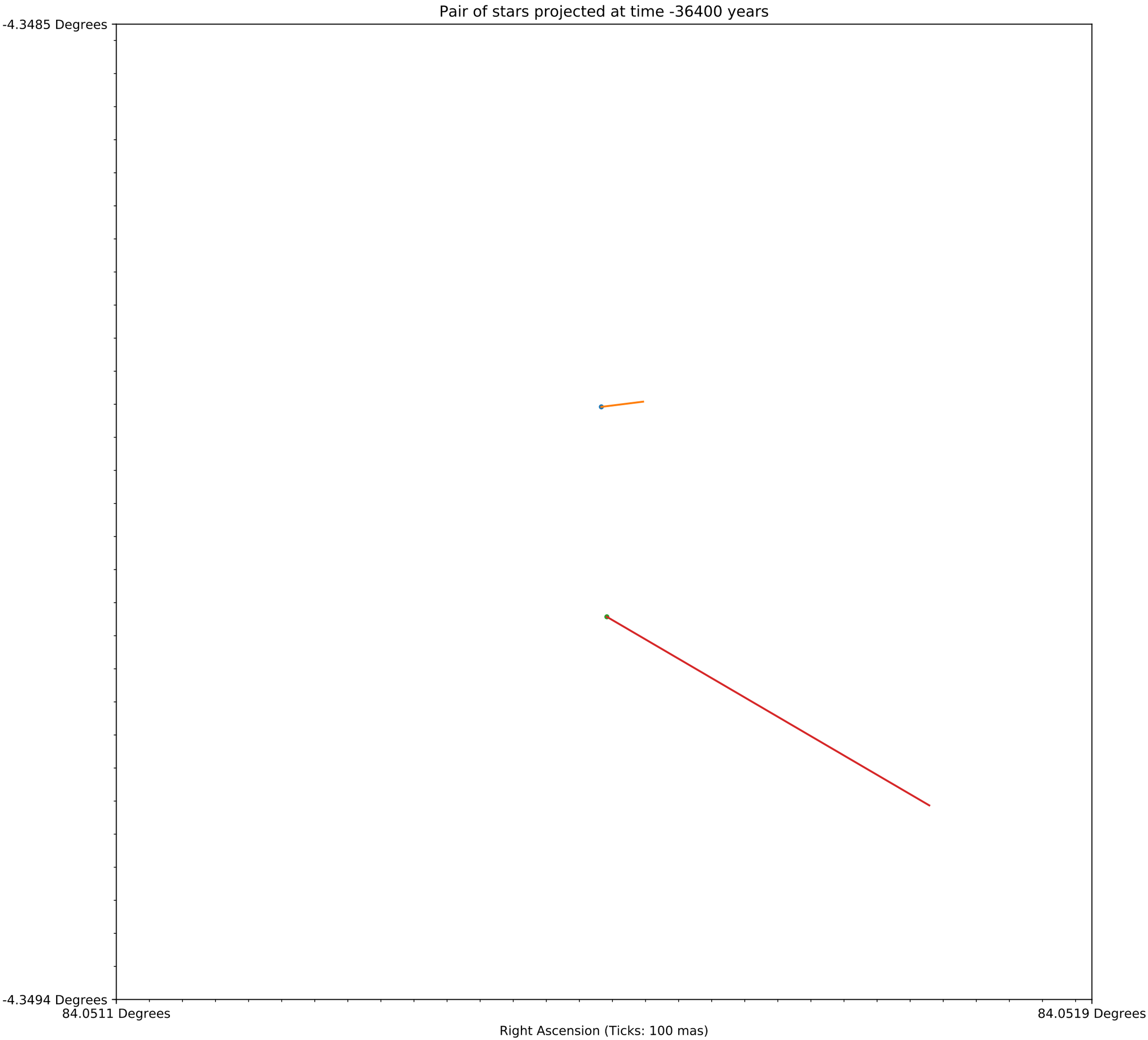
Pair of stars projected at time -35100 years
-4.5804 Degrees
Declination (Ticks: 100 mas)
-4.5843 Degrees
81.9048 Degrees
81.9087 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -35800 years
-4.4561 Degrees
Declination (Ticks: 100 mas)
-4.4574 Degrees
83.6448 Degrees
83.6461 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -36200 years
-4.7507 Degrees
Declination (Ticks: 100 mas)
-4.7516 Degrees
84.2863 Degrees
84.2872 Degrees
Right Ascension (Ticks: 100 mas)

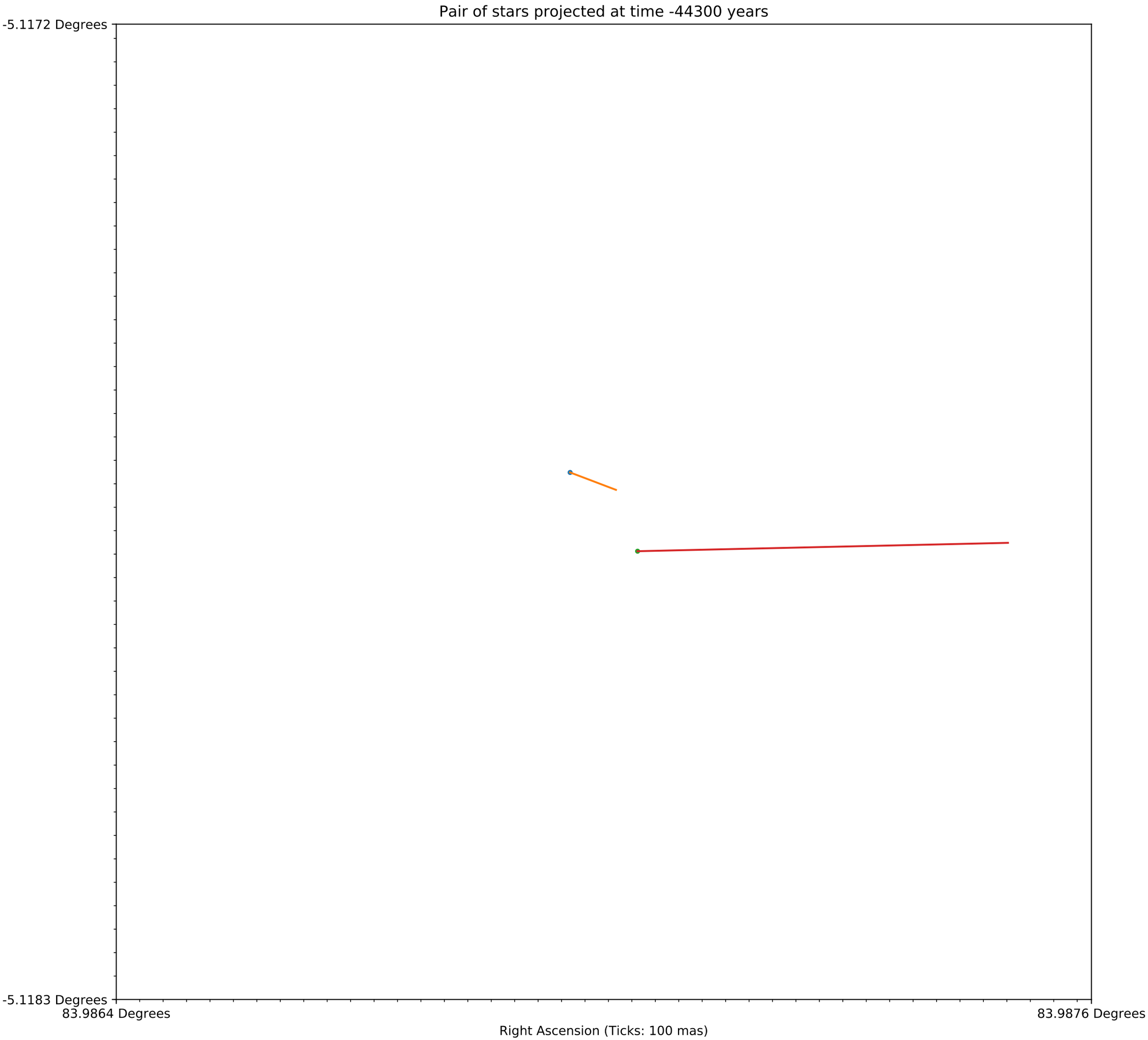

Pair of stars projected at time -36200 years
-4.7508 Degrees
Declination (Ticks: 100 mas)
-4.7517 Degrees
84.2863 Degrees
84.2873 Degrees
Right Ascension (Ticks: 100 mas)

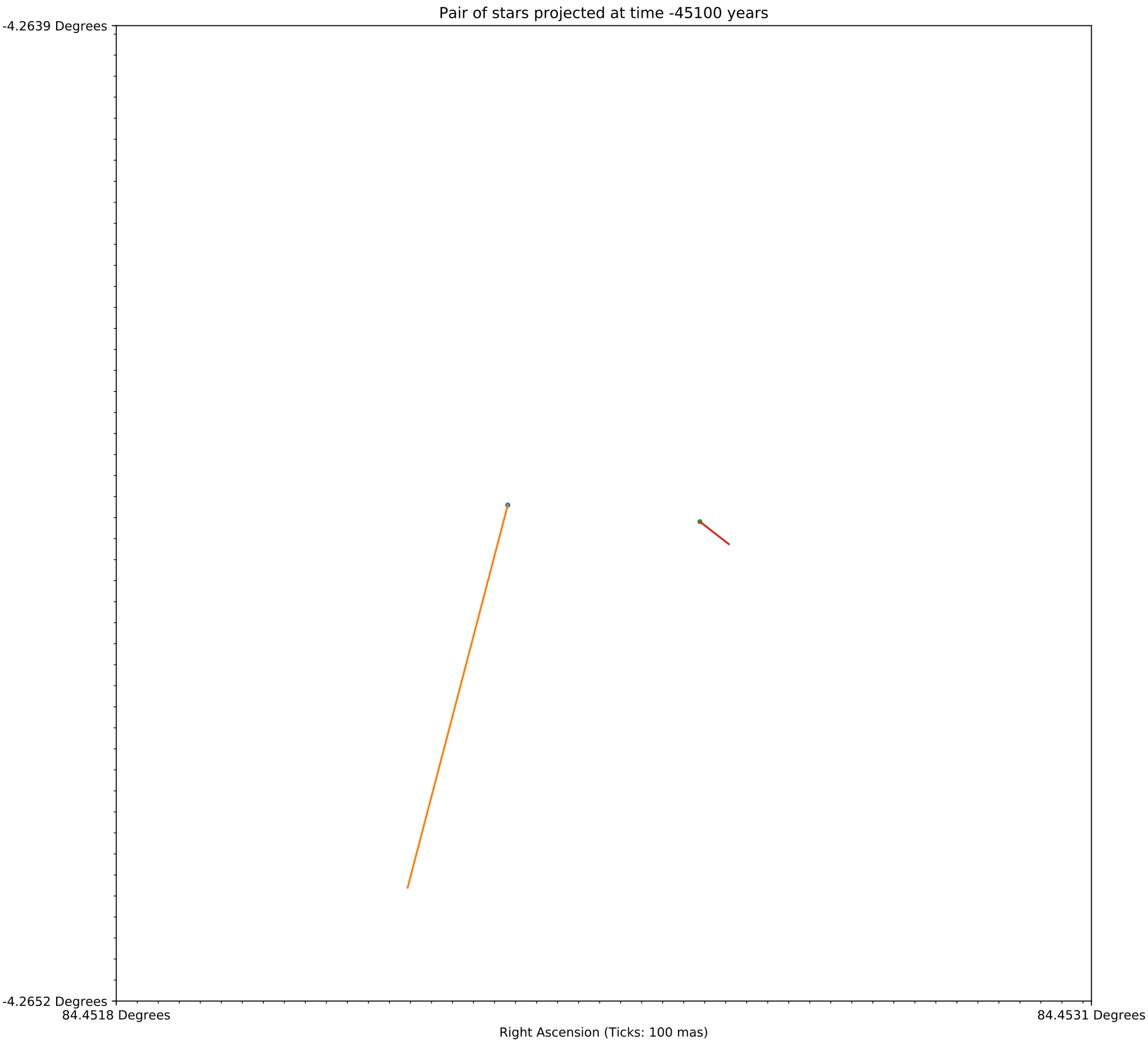

Pair of stars projected at time -36300 years
-4.7510 Degrees
Declination (Ticks: 100 mas)
-4.7514 Degrees
84.2866 Degrees
84.2870 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -36400 years
-4.3485 Degrees
-4.3494 Degrees
84.0511 Degrees
84.0519 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

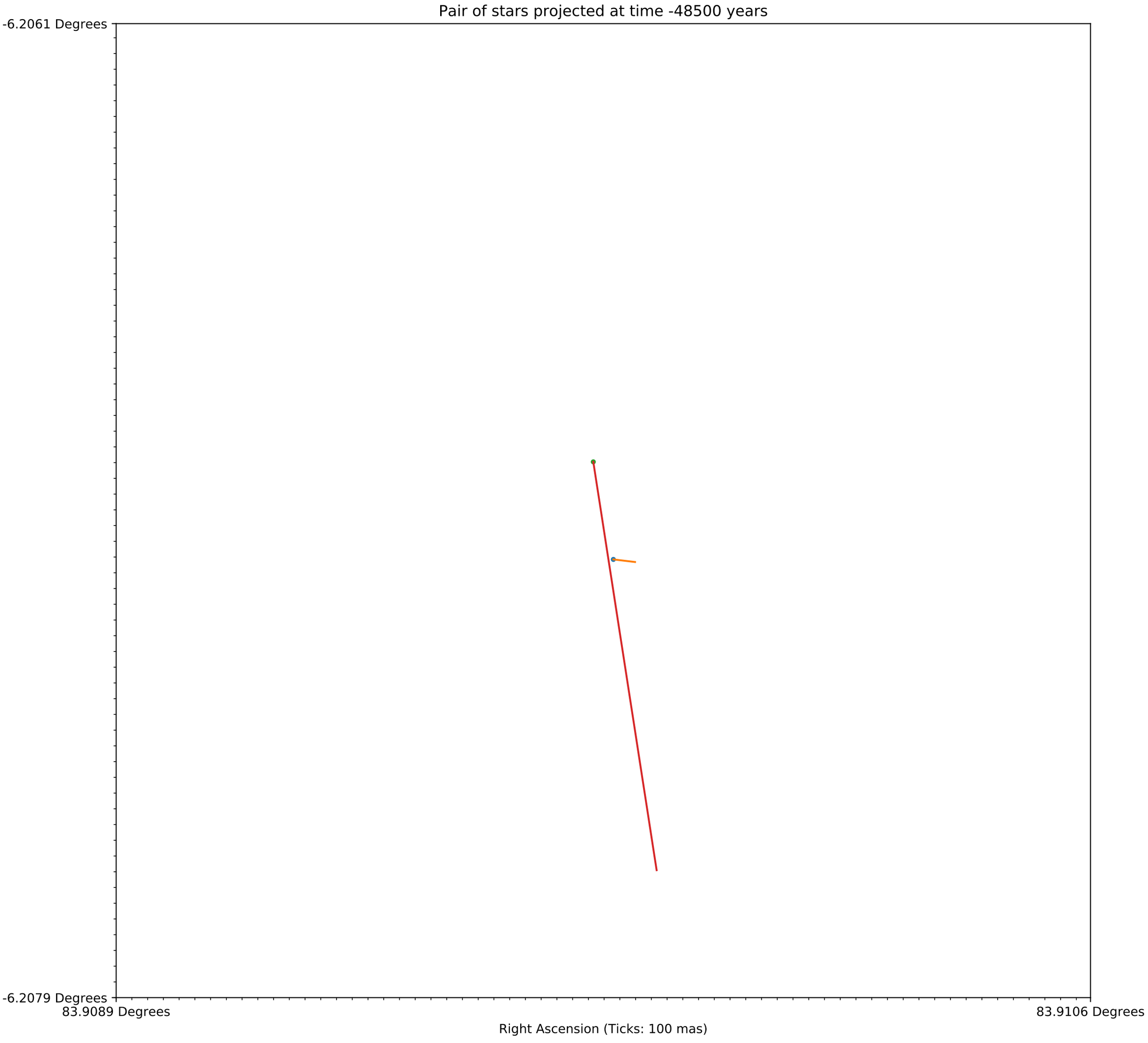
Pair of stars projected at time -37400 years
-7.0236 Degrees
-7.0248 Degrees
83.3215 Degrees
83.3227 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

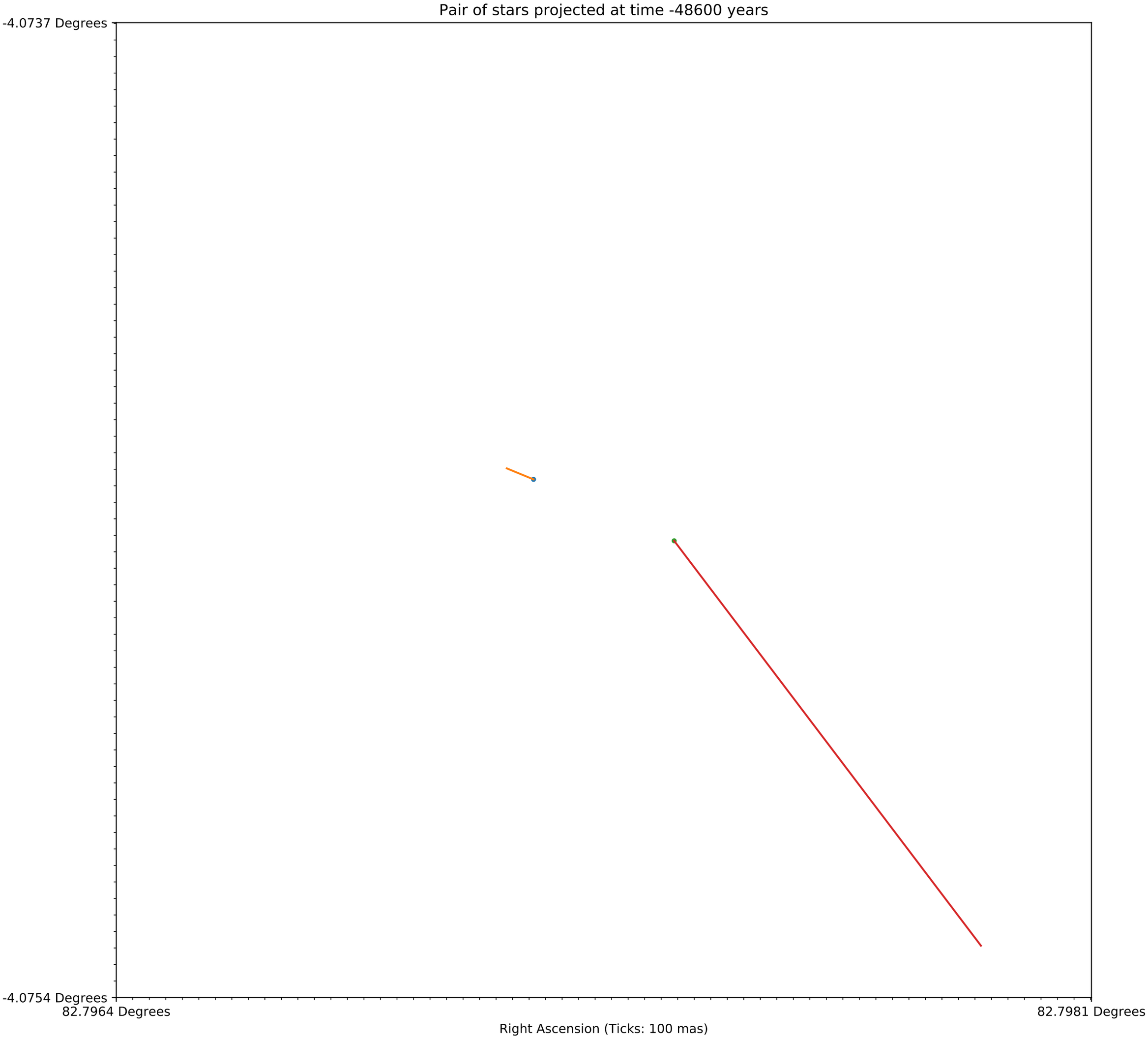
Pair of stars projected at time -39000 years
-5.9218 Degrees
-5.9222 Degrees
83.6660 Degrees
83.6664 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

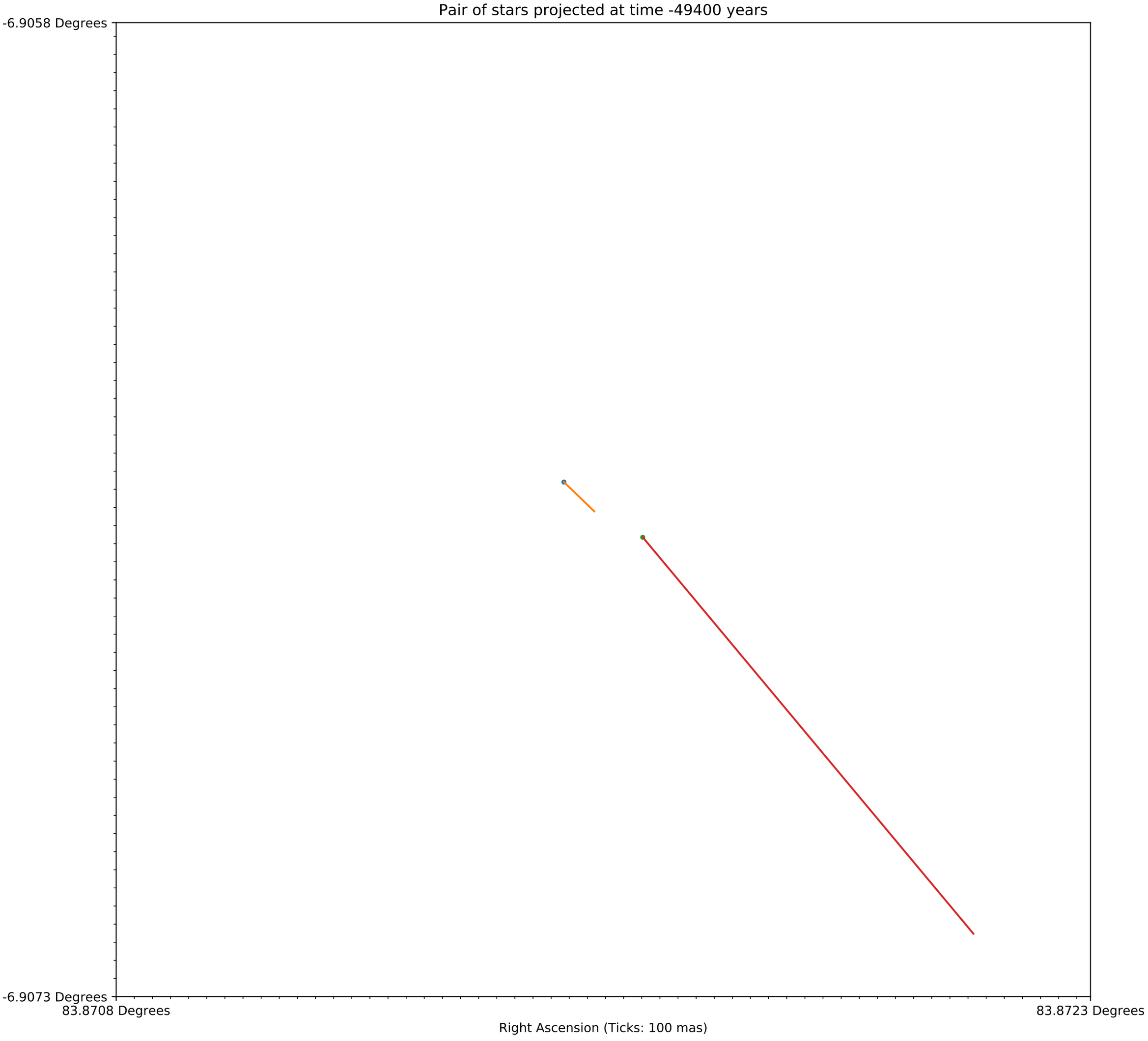

Pair of stars projected at time -44300 years
-5.1172 Degrees
-5.1183 Degrees
83.9864 Degrees
83.9876 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

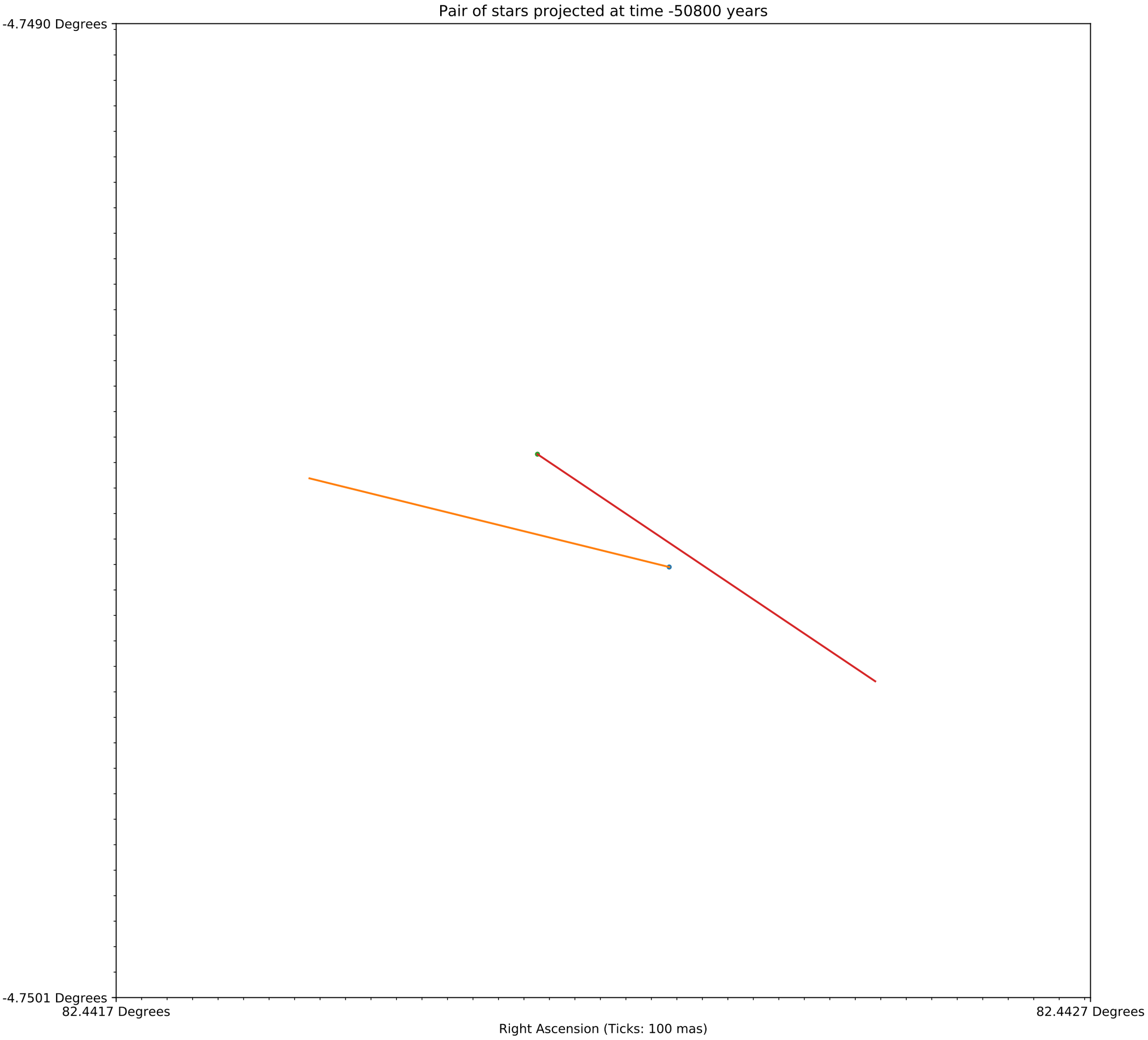

Pair of stars projected at time -45100 years
-4.2639 Degrees
Declination (Ticks: 100 mas)
-4.2652 Degrees
84.4518 Degrees
84.4531 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -47200 years
-5.5580 Degrees
-5.5587 Degrees
84.3323 Degrees
84.3330 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

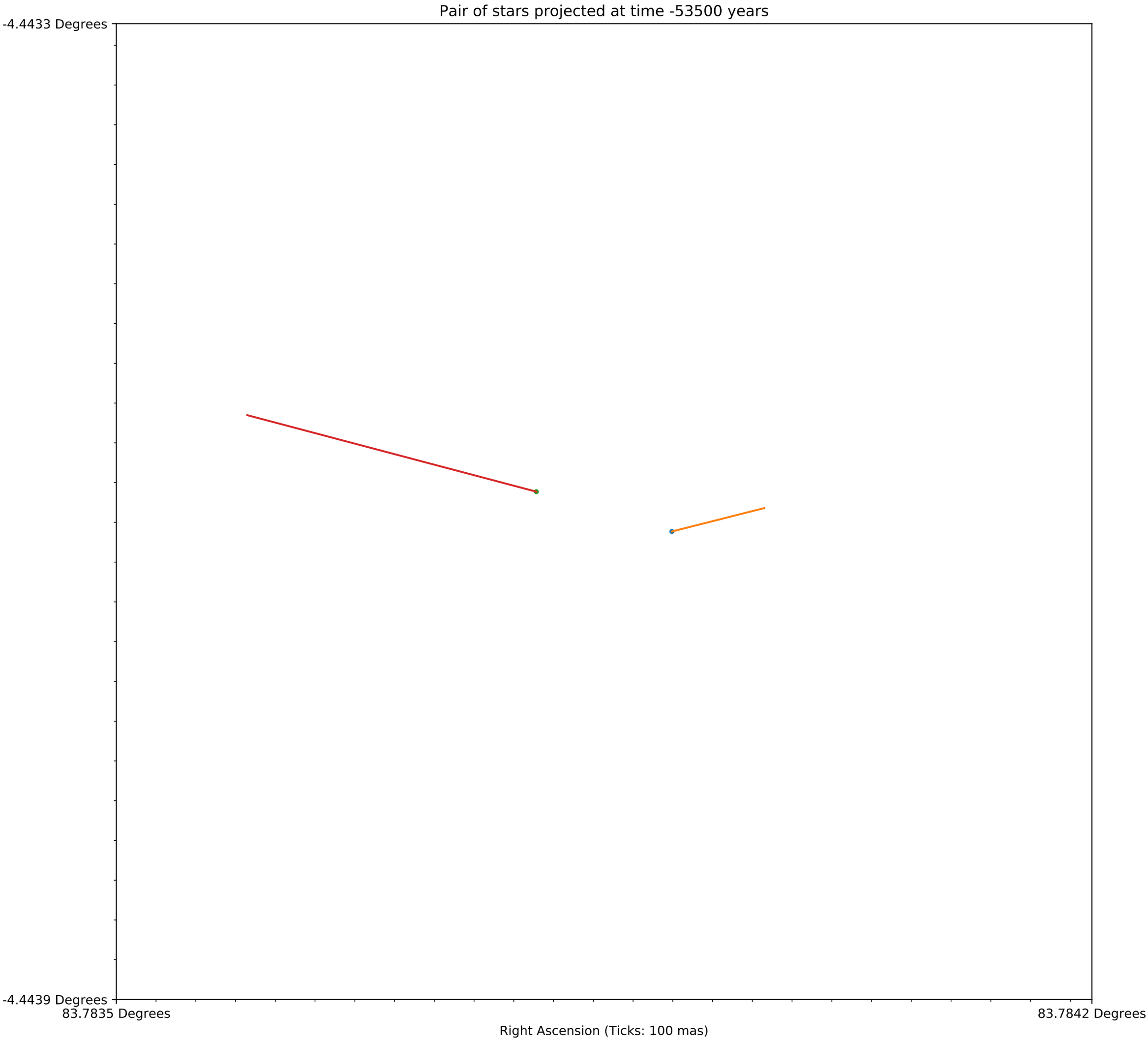

Pair of stars projected at time -48500 years
-6.2061 Degrees
Declination (Ticks: 100 mas)
-6.2079 Degrees
83.9089 Degrees
83.9106 Degrees
Right Ascension (Ticks: 100 mas)

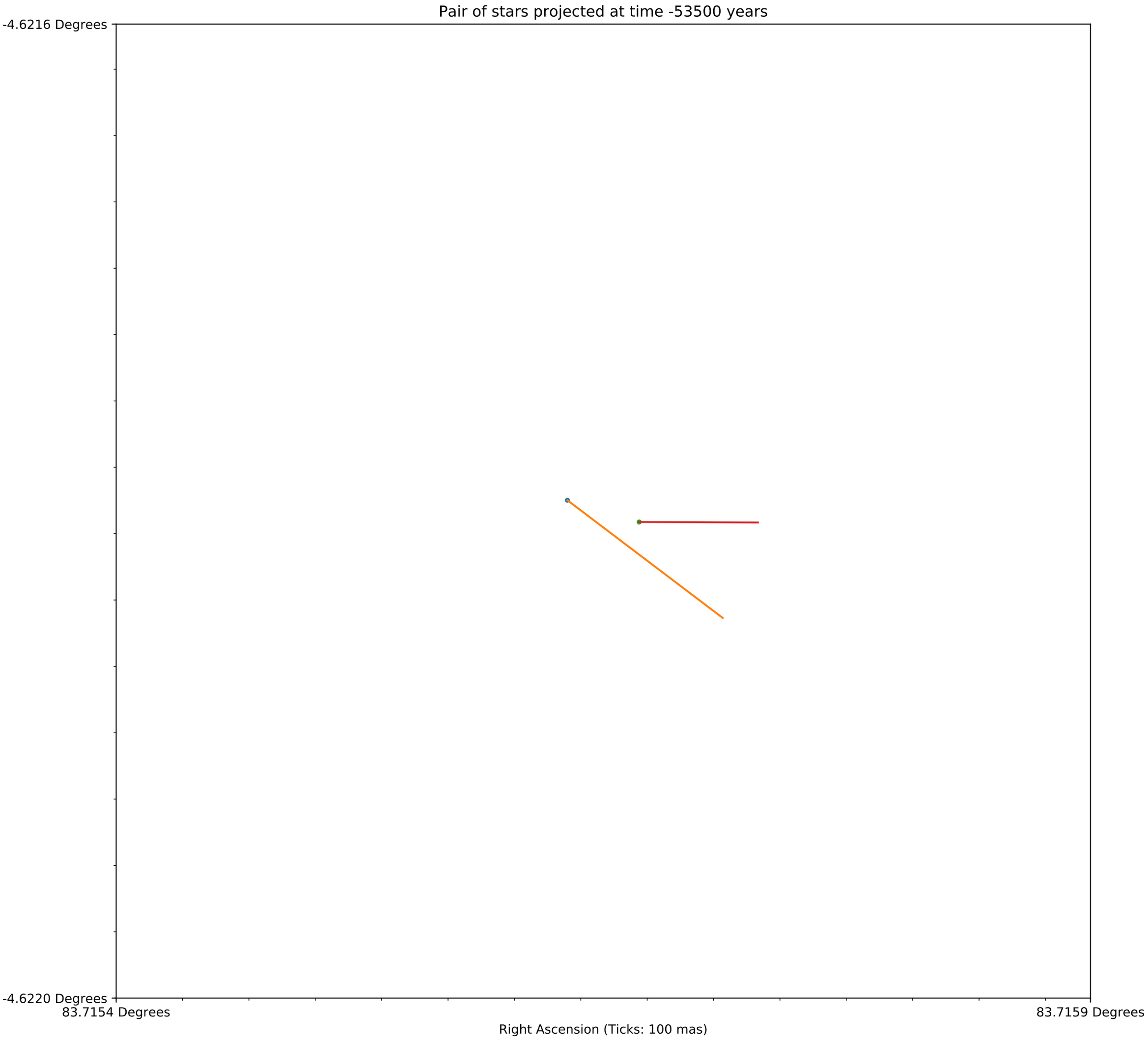

Pair of stars projected at time -48600 years
-4.0737 Degrees
Declination (Ticks: 100 mas)
-4.0754 Degrees
82.7964 Degrees
82.7981 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -49400 years
-6.9058 Degrees
Declination (Ticks: 100 mas)
-6.9073 Degrees
83.8708 Degrees
83.8723 Degrees
Right Ascension (Ticks: 100 mas)

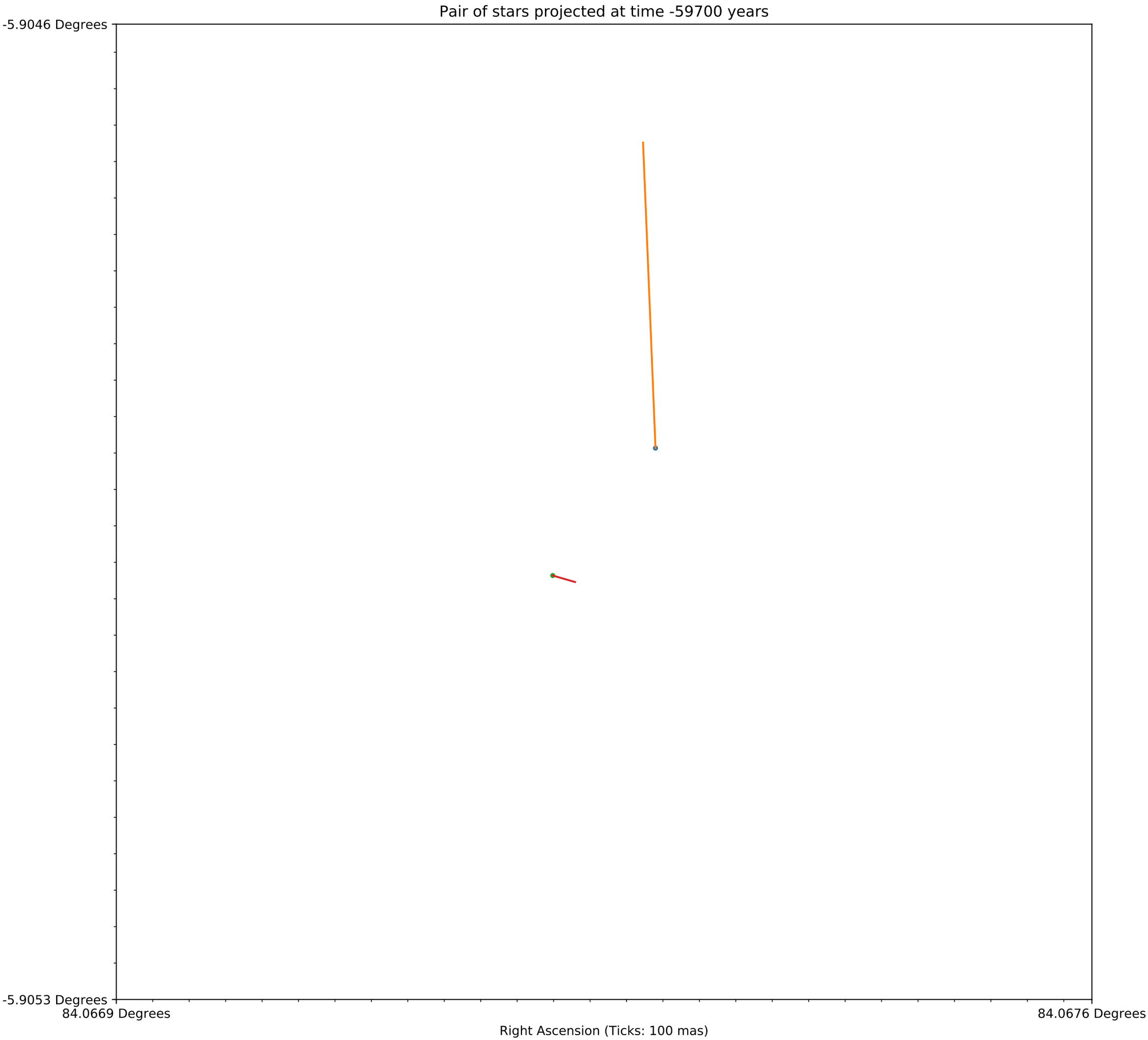

Pair of stars projected at time -50800 years
-4.7490 Degrees
Declination (Ticks: 100 mas)
-4.7501 Degrees
82.4417 Degrees
82.4427 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -51200 years
-6.3841 Degrees
-6.3846 Degrees
84.0654 Degrees
84.0658 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

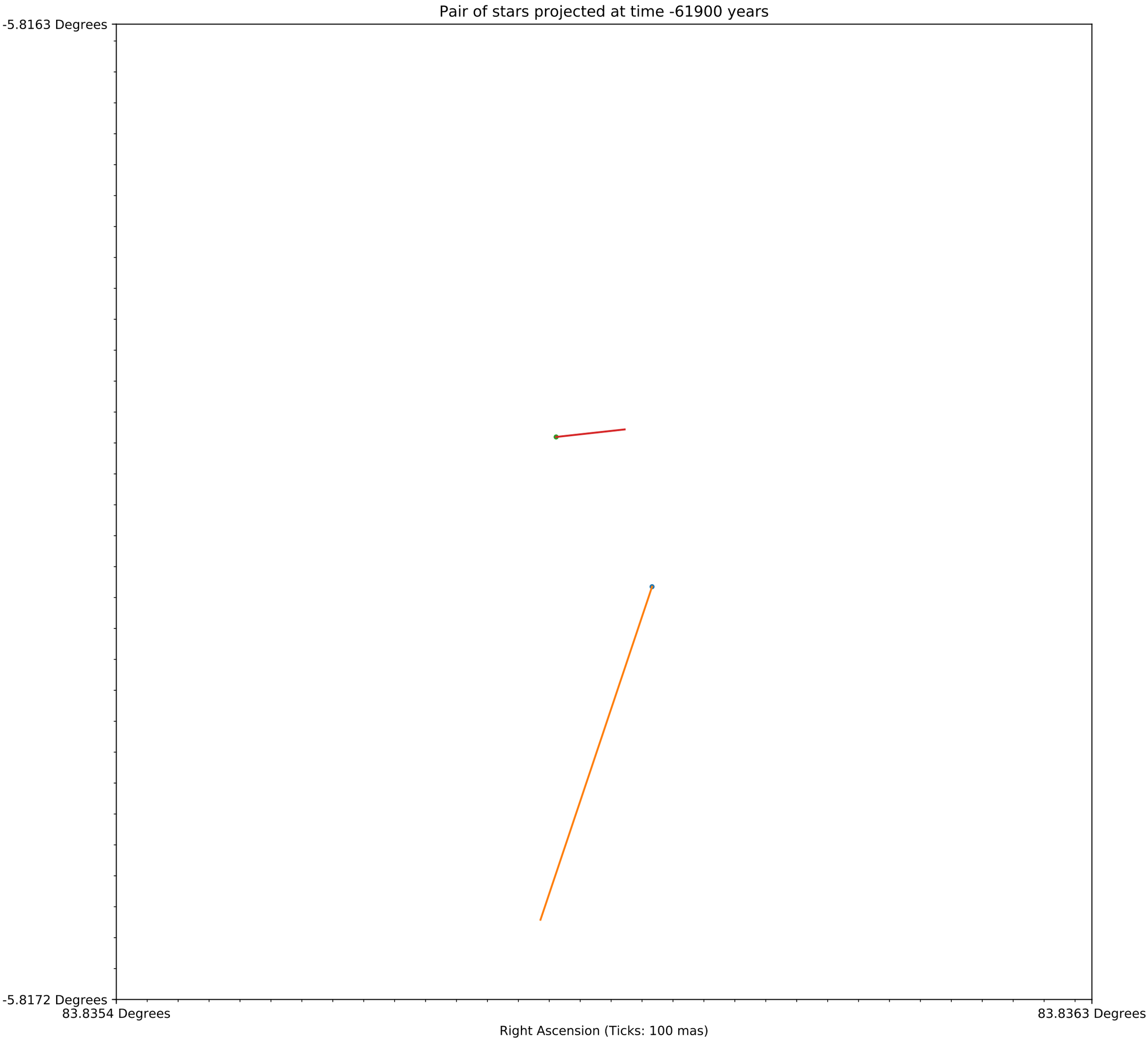

Pair of stars projected at time -53500 years
-4.4433 Degrees
Declination (Ticks: 100 mas)
-4.4439 Degrees
83.7835 Degrees
83.7842 Degrees
Right Ascension (Ticks: 100 mas)

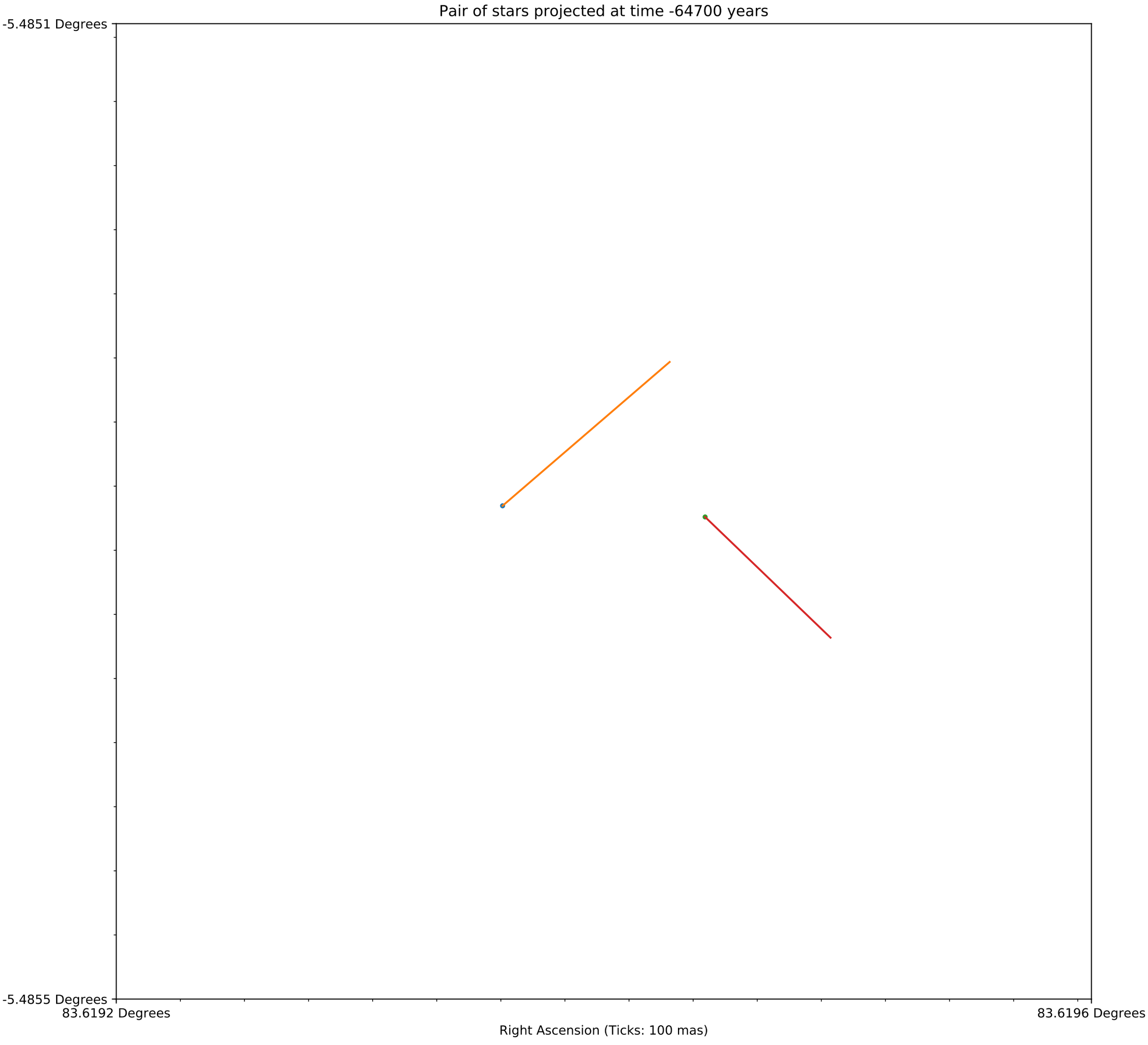

Pair of stars projected at time -53500 years
-4.6216 Degrees
Declination (Ticks: 100 mas)
-4.6220 Degrees
83.7154 Degrees
83.7159 Degrees
Right Ascension (Ticks: 100 mas)

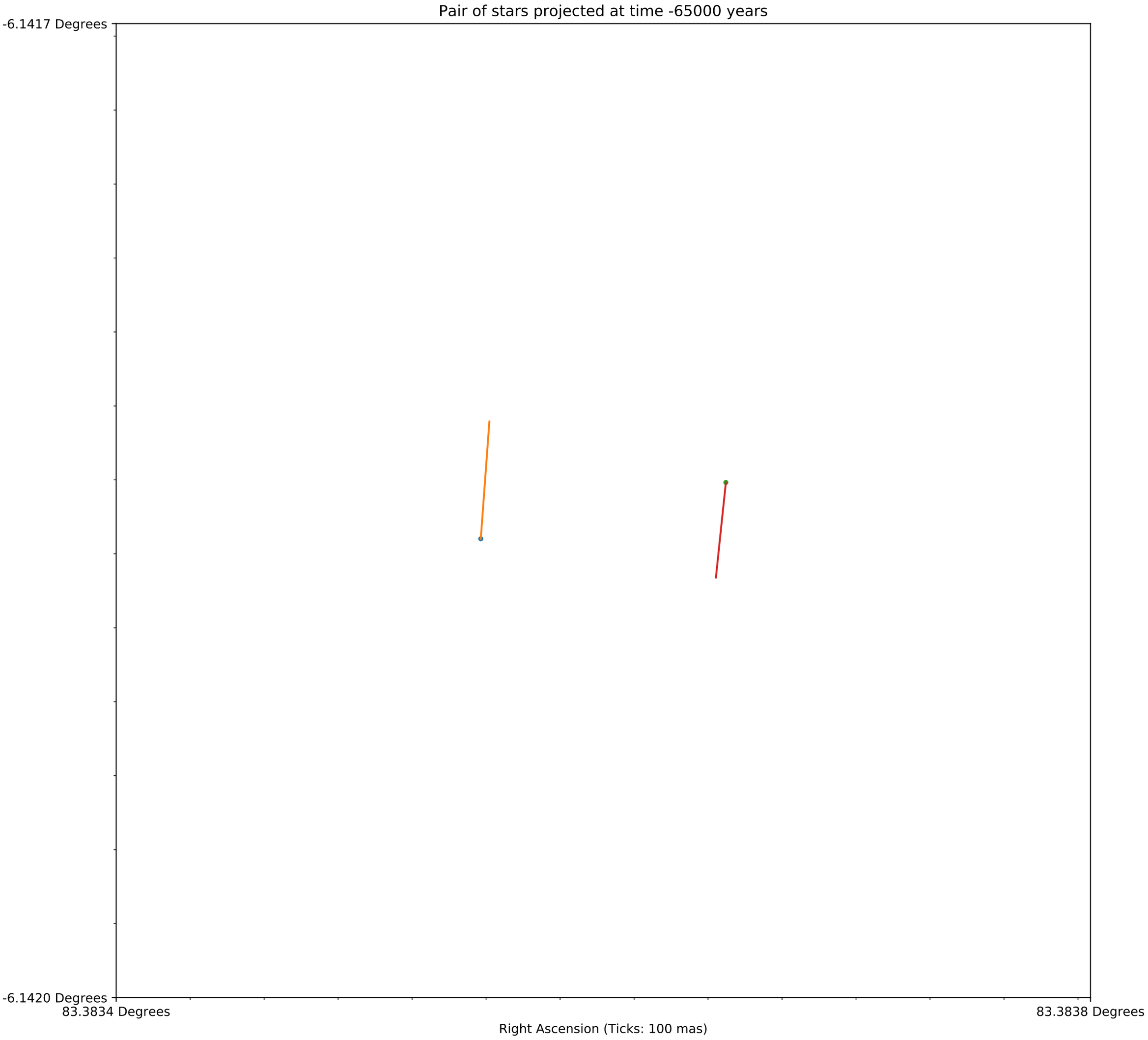
Pair of stars projected at time -54500 years
-6.3863 Degrees
-6.3874 Degrees
82.6555 Degrees
82.6566 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

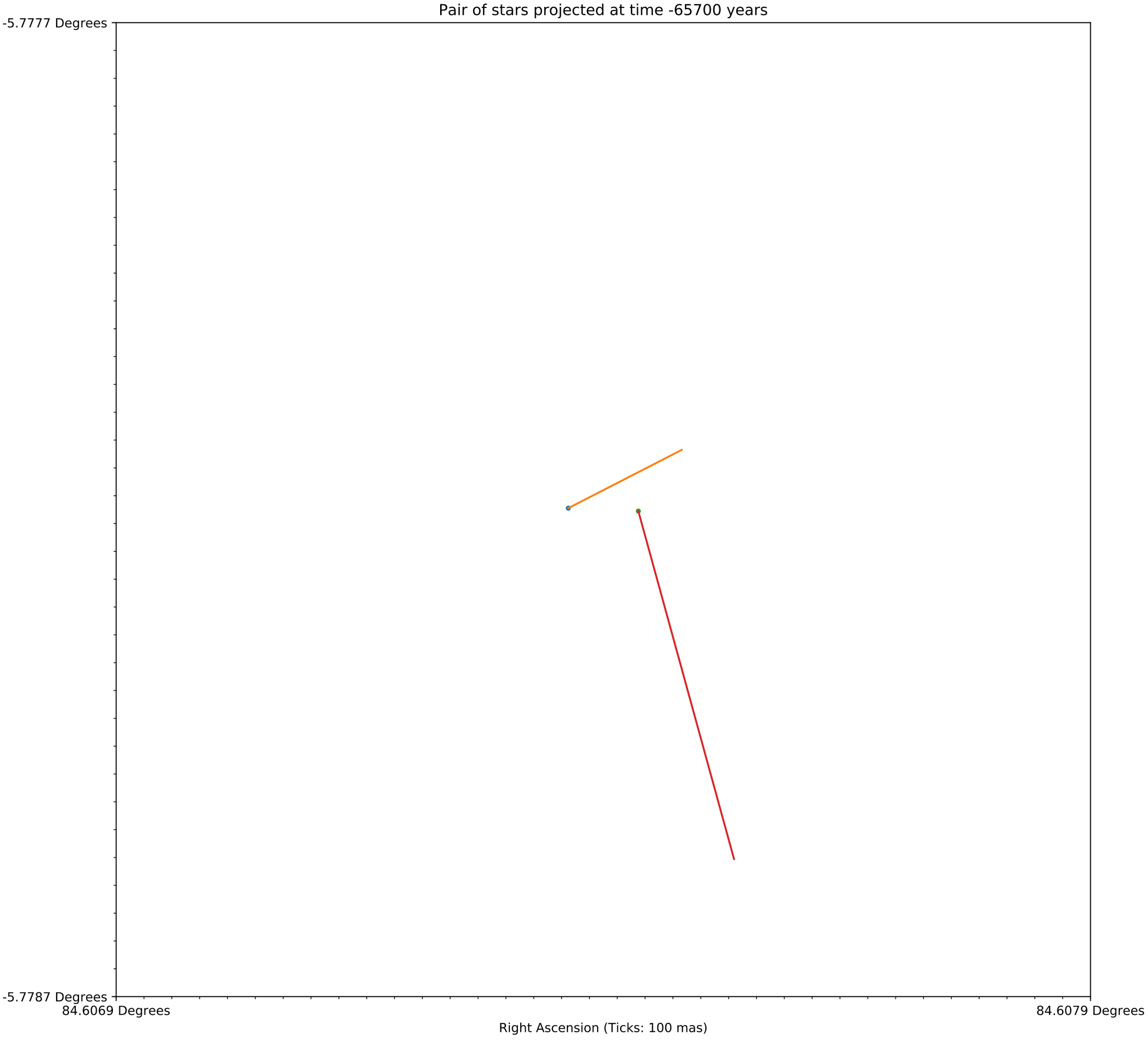

Pair of stars projected at time -59700 years
-5.9046 Degrees
Declination (Ticks: 100 mas)
-5.9053 Degrees
84.0669 Degrees
84.0676 Degrees
Right Ascension (Ticks: 100 mas)

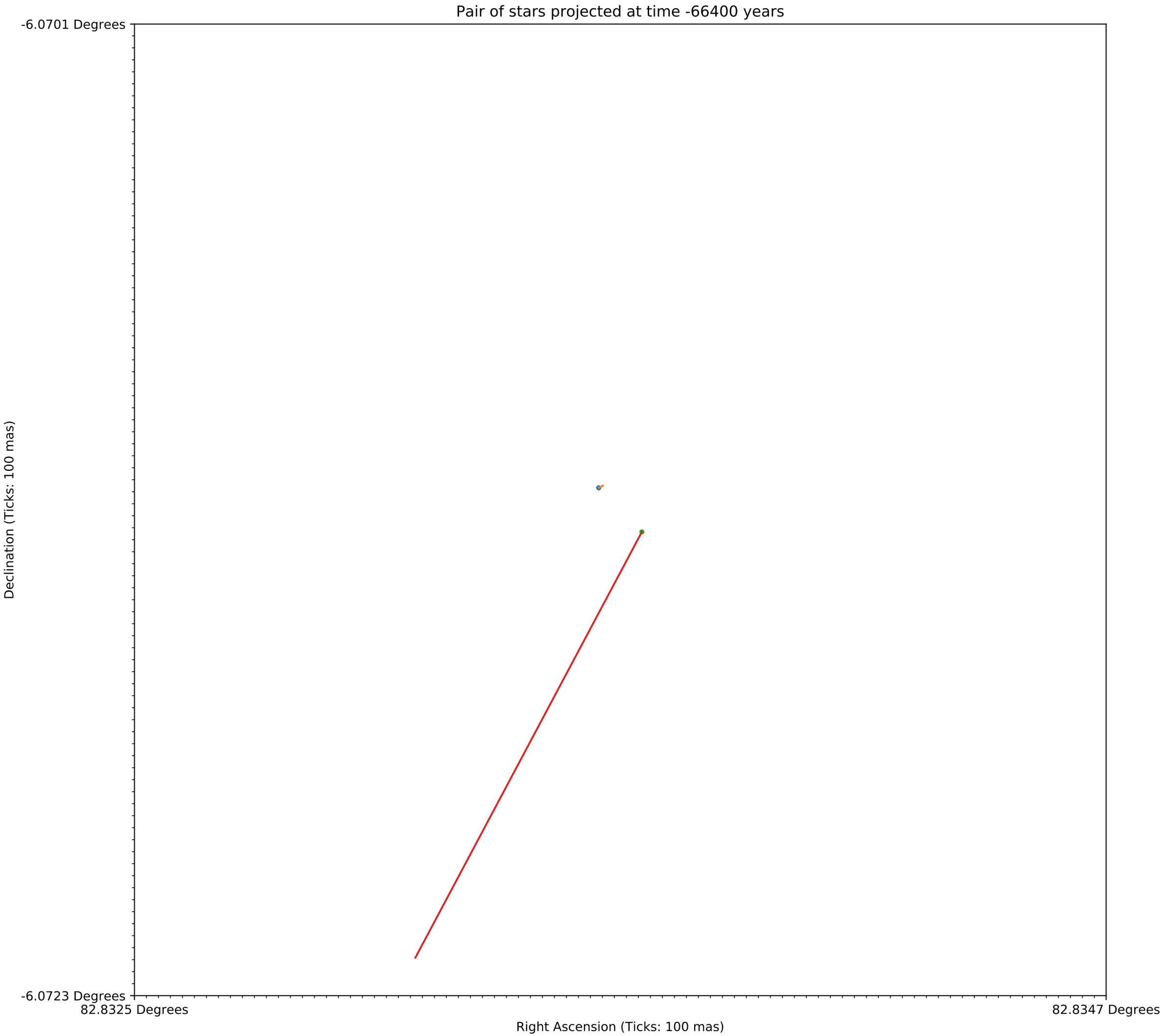
Pair of stars projected at time -61500 years
-5.1715 Degrees
-5.1723 Degrees
83.8372 Degrees
83.8380 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

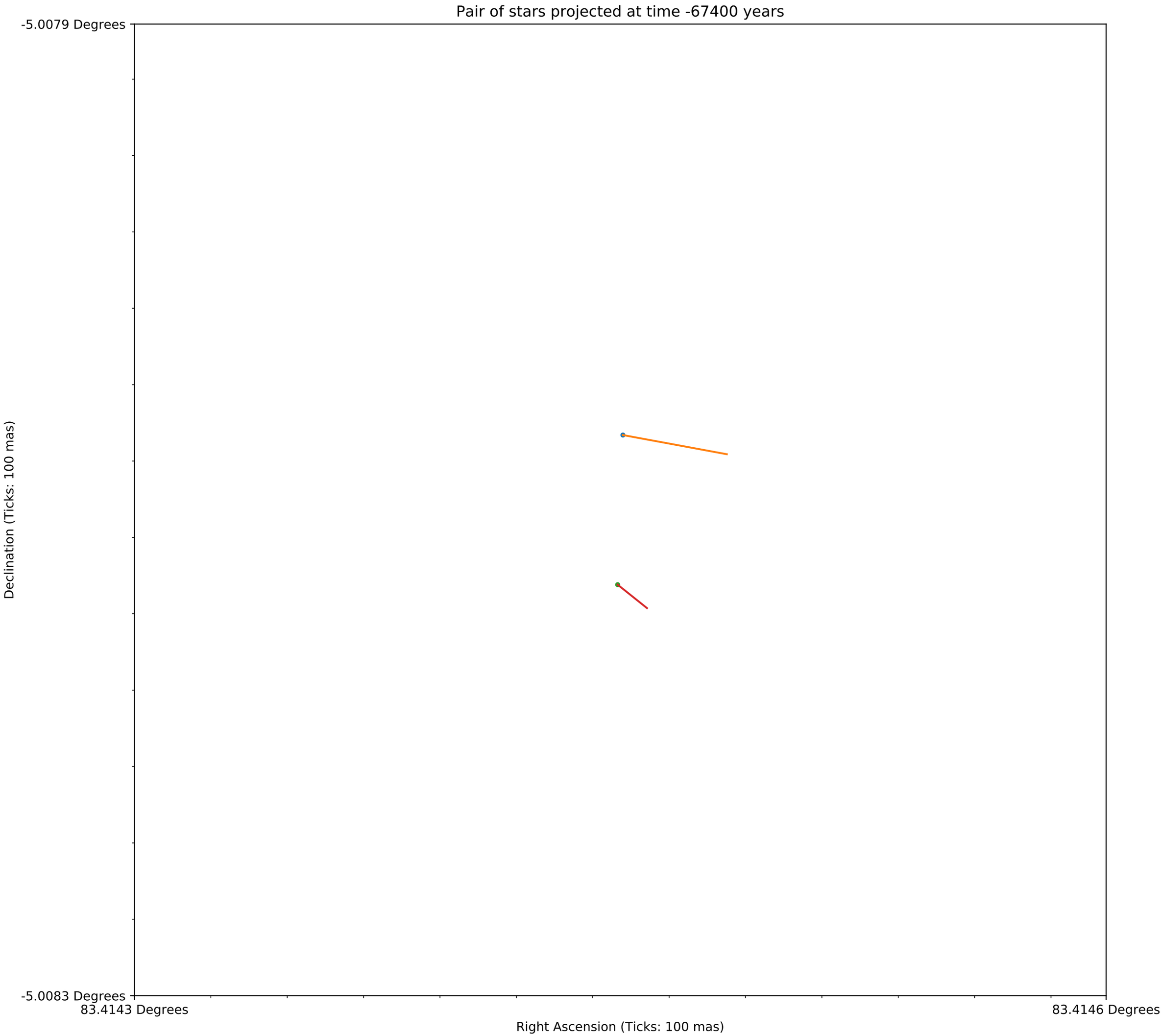

Pair of stars projected at time -61900 years
-5.8163 Degrees
-5.8172 Degrees
83.8354 Degrees
83.8363 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

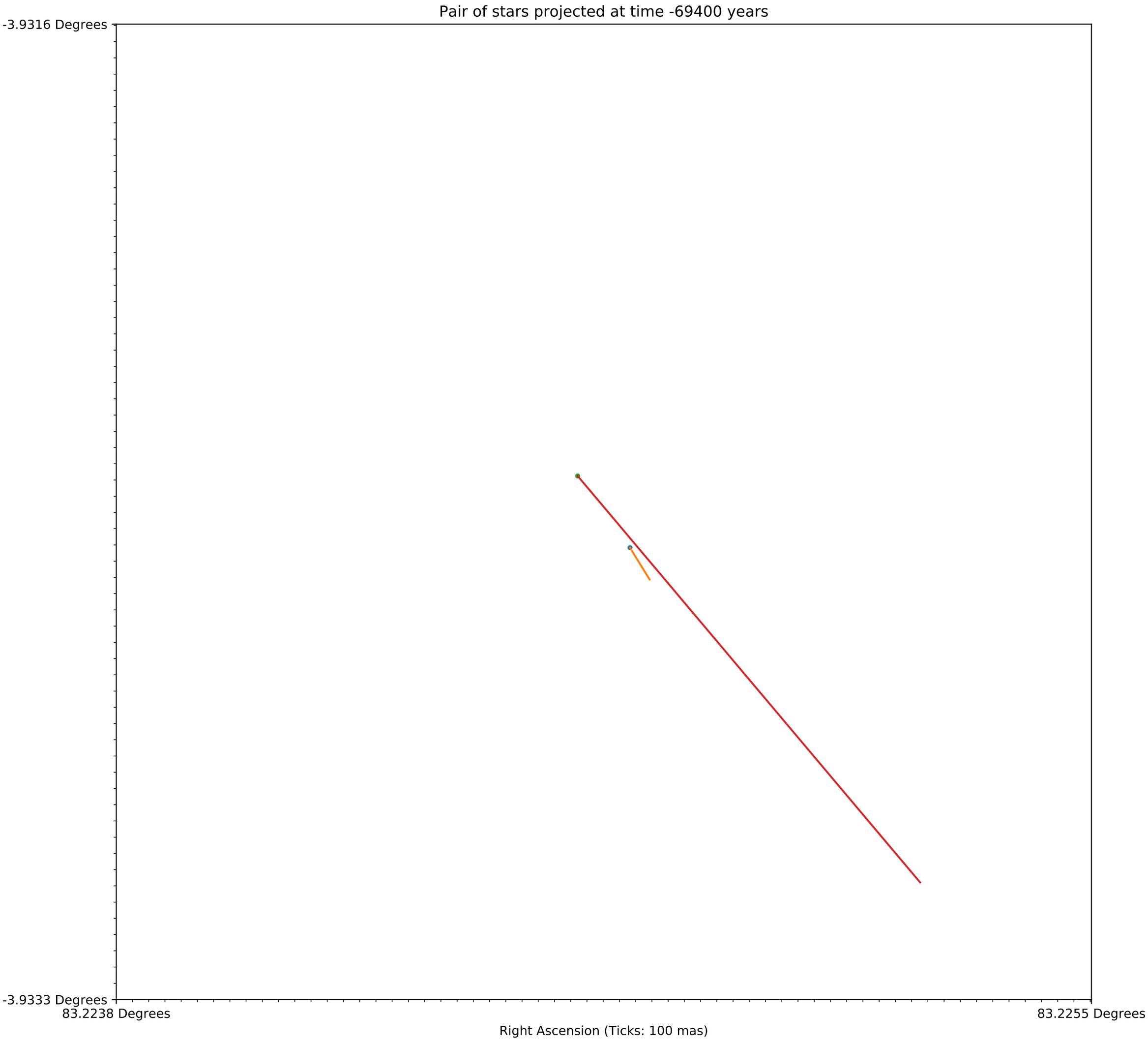

Pair of stars projected at time -64700 years
-5.4851 Degrees
Declination (Ticks: 100 mas)
-5.4855 Degrees
83.6192 Degrees
83.6196 Degrees
Right Ascension (Ticks: 100 mas)

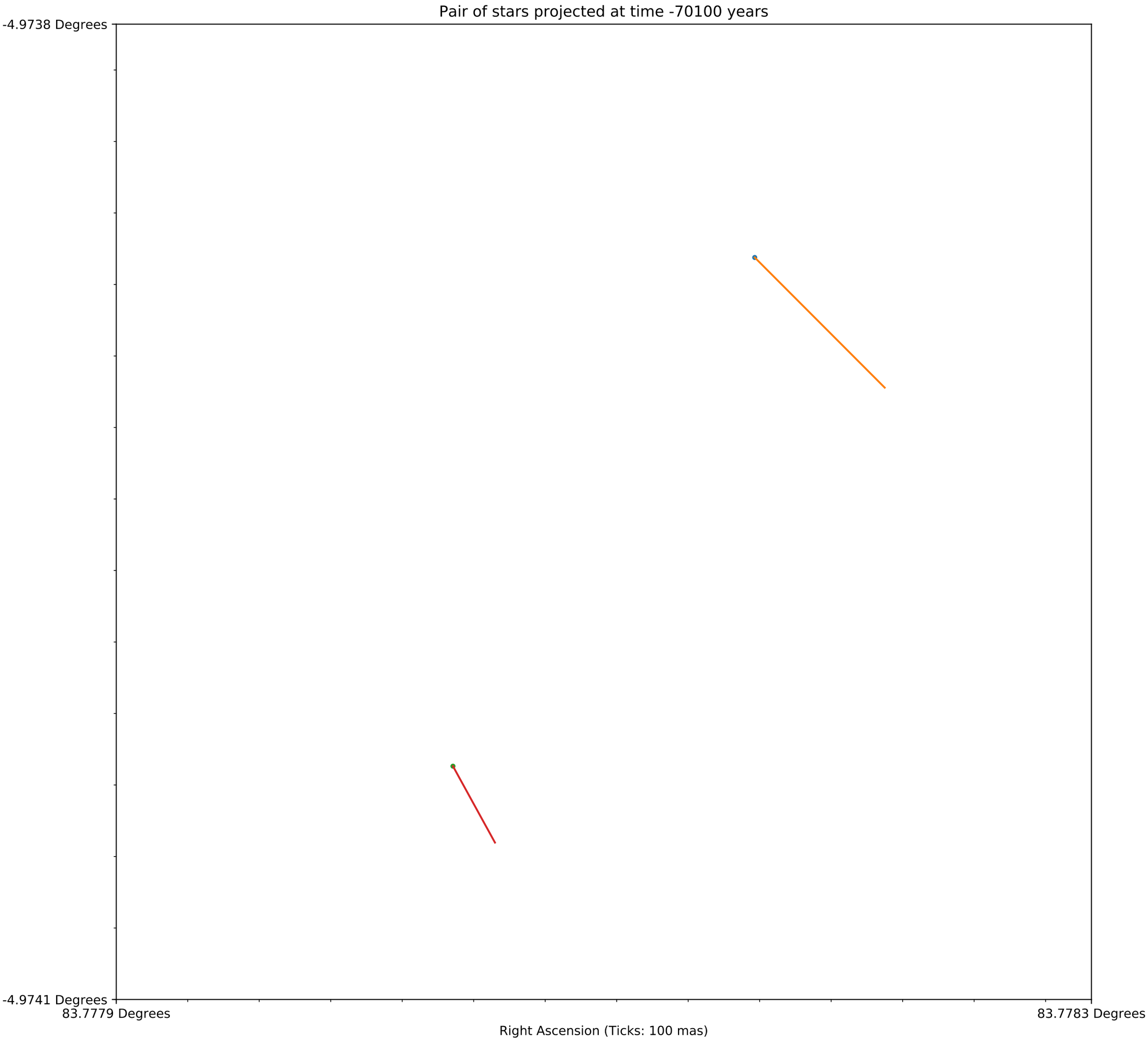

Pair of stars projected at time -65000 years
-6.1417 Degrees
Declination (Ticks: 100 mas)
-6.1420 Degrees
83.3834 Degrees
83.3838 Degrees
Right Ascension (Ticks: 100 mas)

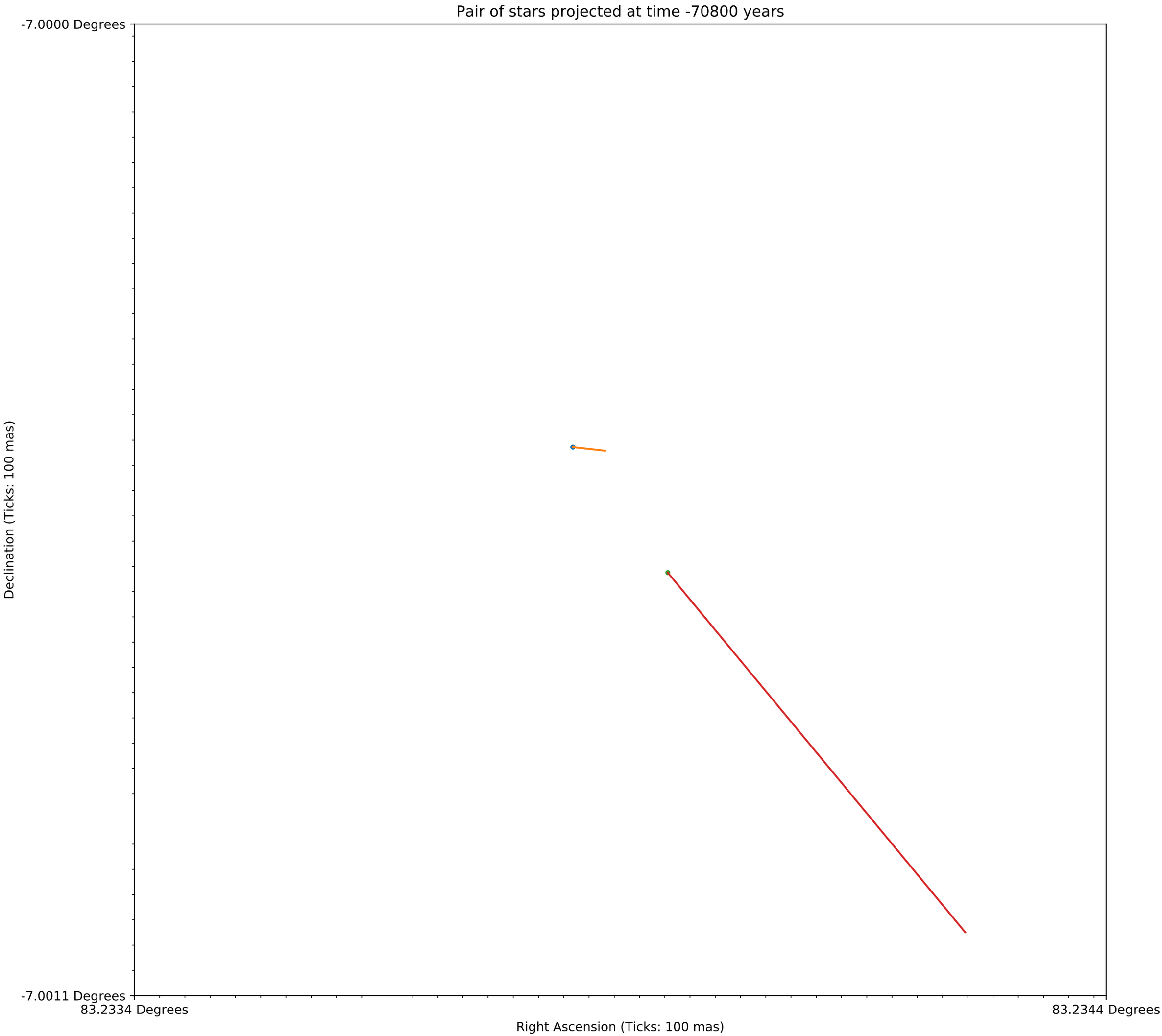

Pair of stars projected at time -65700 years
-5.7777 Degrees
Declination (Ticks: 100 mas)
-5.7787 Degrees
84.6069 Degrees
84.6079 Degrees
Right Ascension (Ticks: 100 mas)

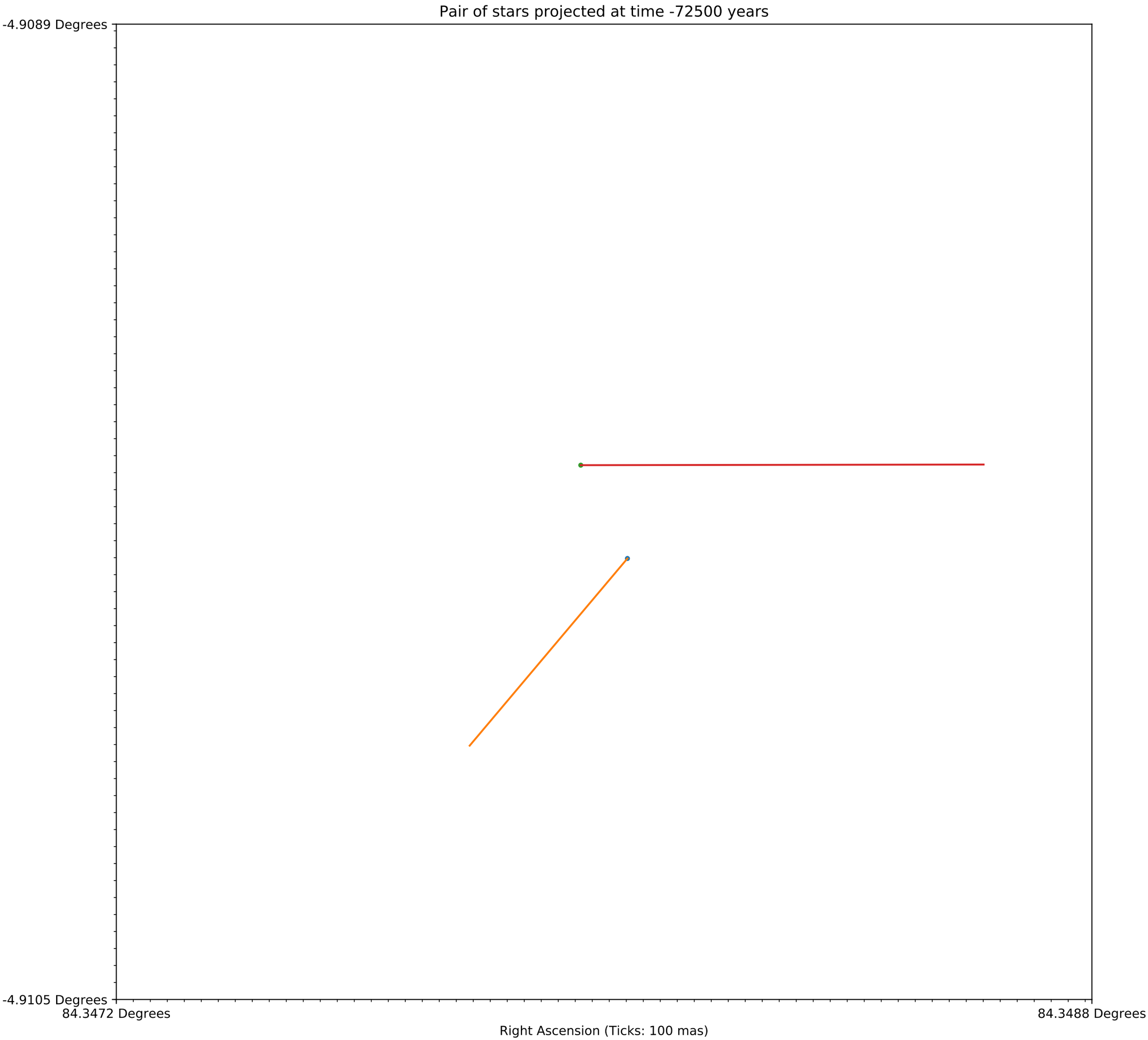

Pair of stars projected at time -66400 years
-6.0701 Degrees
Declination (Ticks: 100 mas)
-6.0723 Degrees
82.8325 Degrees
82.8347 Degrees
Right Ascension (Ticks: 100 mas)

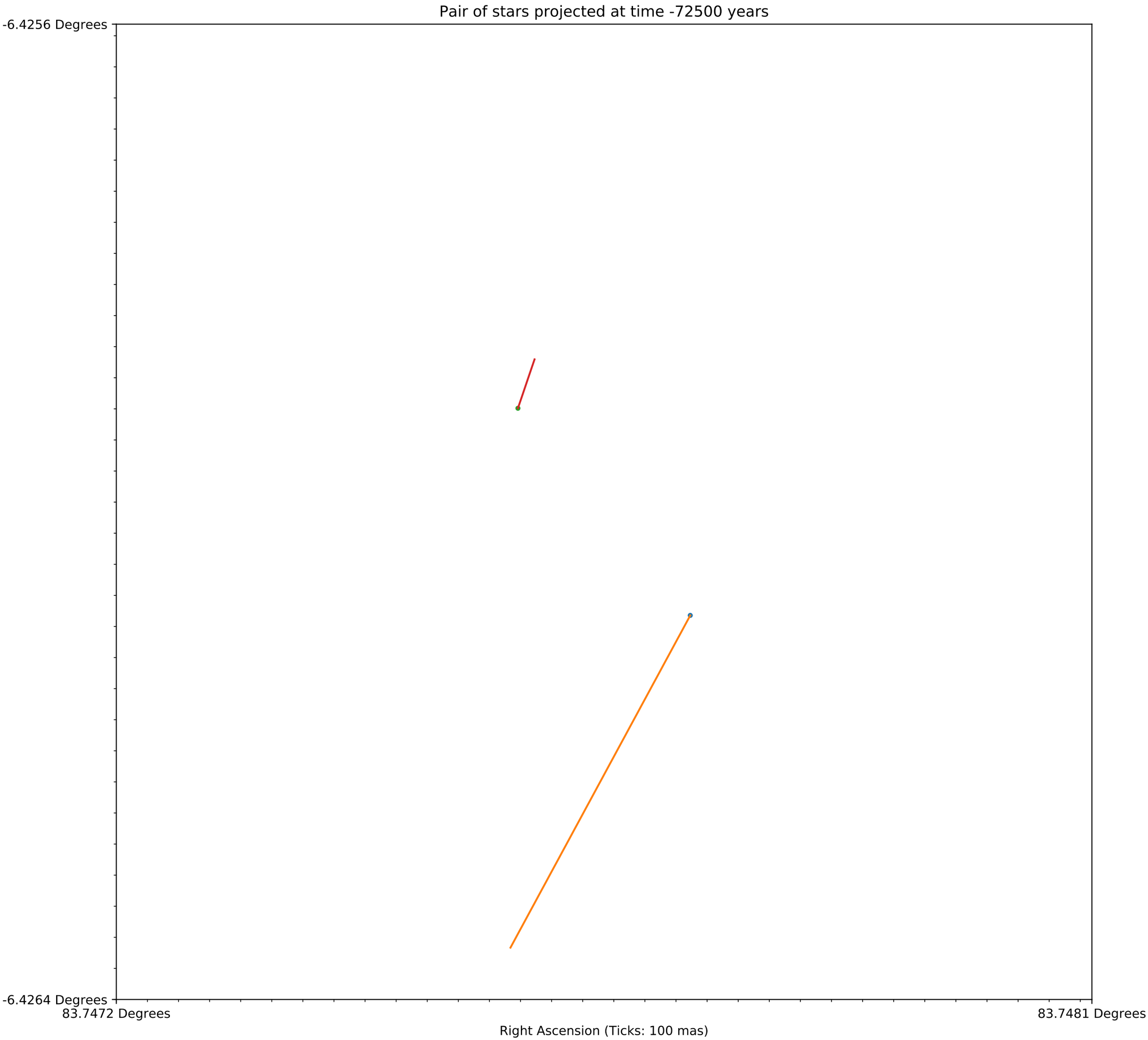

Pair of stars projected at time -67400 years
-5.0079 Degrees
Declination (Ticks: 100 mas)
-5.0083 Degrees
83.4143 Degrees
83.4146 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -69400 years
-3.9316 Degrees
Declination (Ticks: 100 mas)
-3.9333 Degrees
83.2238 Degrees
83.2255 Degrees
Right Ascension (Ticks: 100 mas)

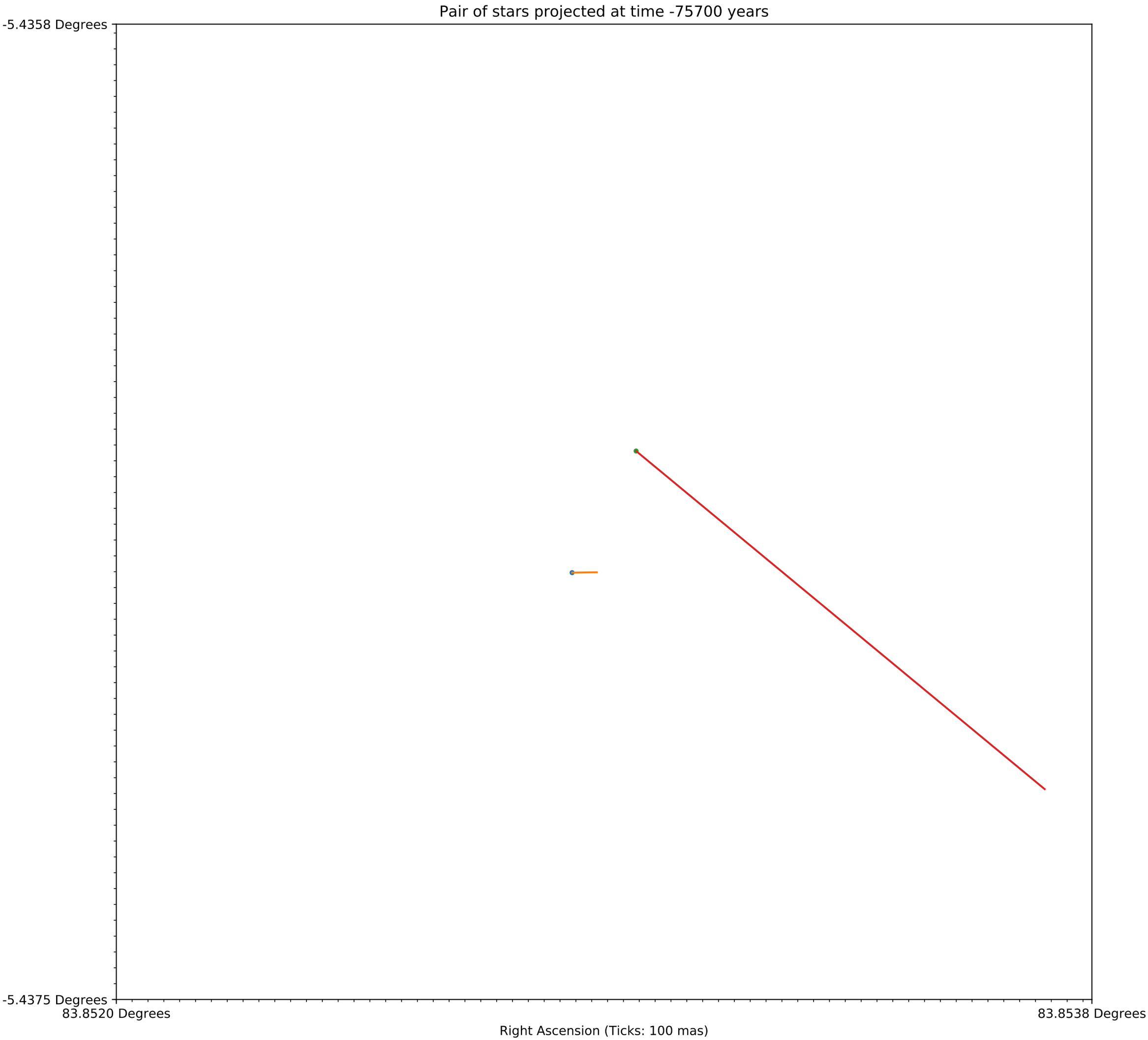

Pair of stars projected at time -70100 years
-4.9738 Degrees
Declination (Ticks: 100 mas)
-4.9741 Degrees
83.7779 Degrees
83.7783 Degrees
Right Ascension (Ticks: 100 mas)

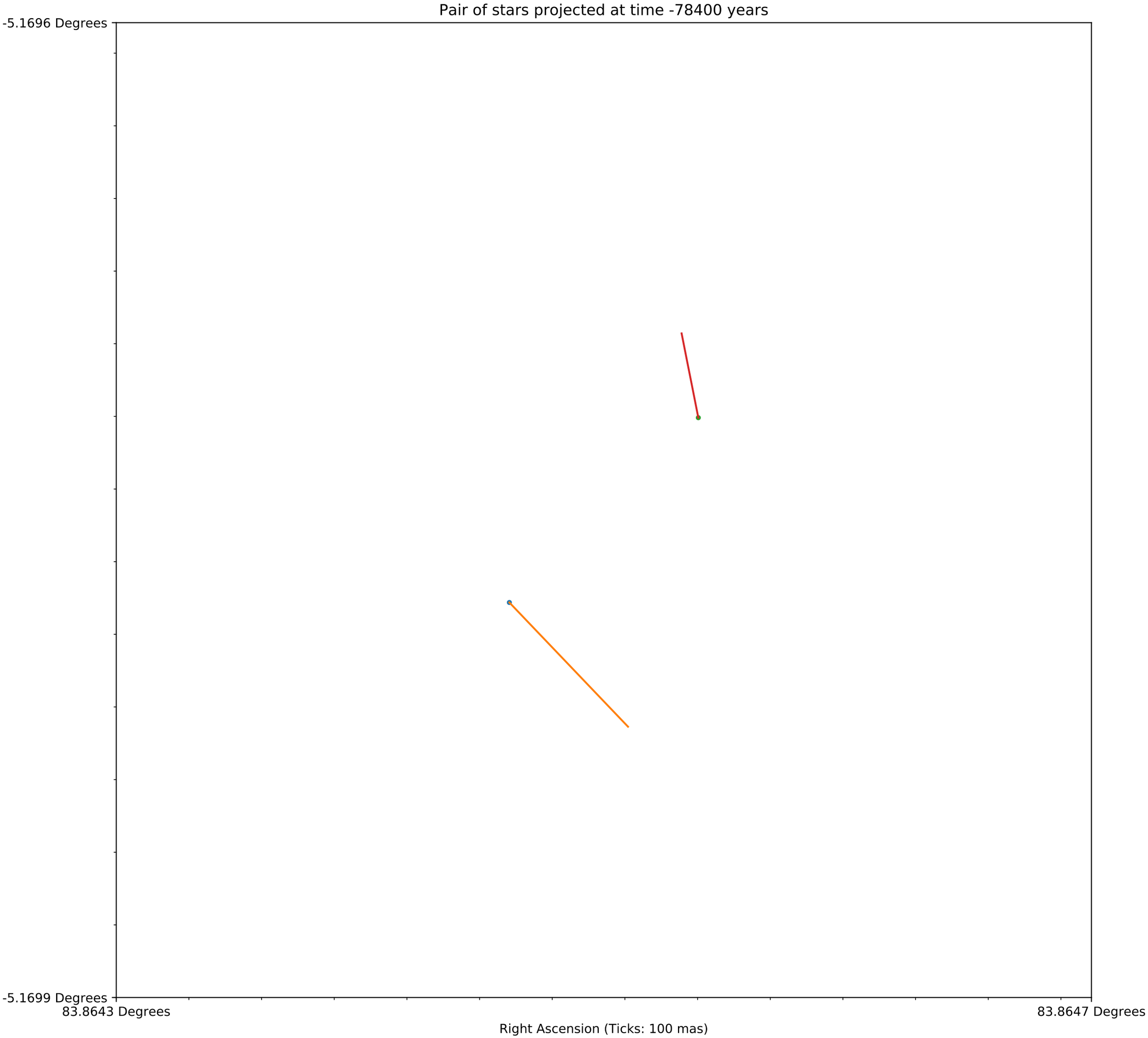

Pair of stars projected at time -70800 years
-7.0000 Degrees
-7.0011 Degrees
83.2334 Degrees
83.2344 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

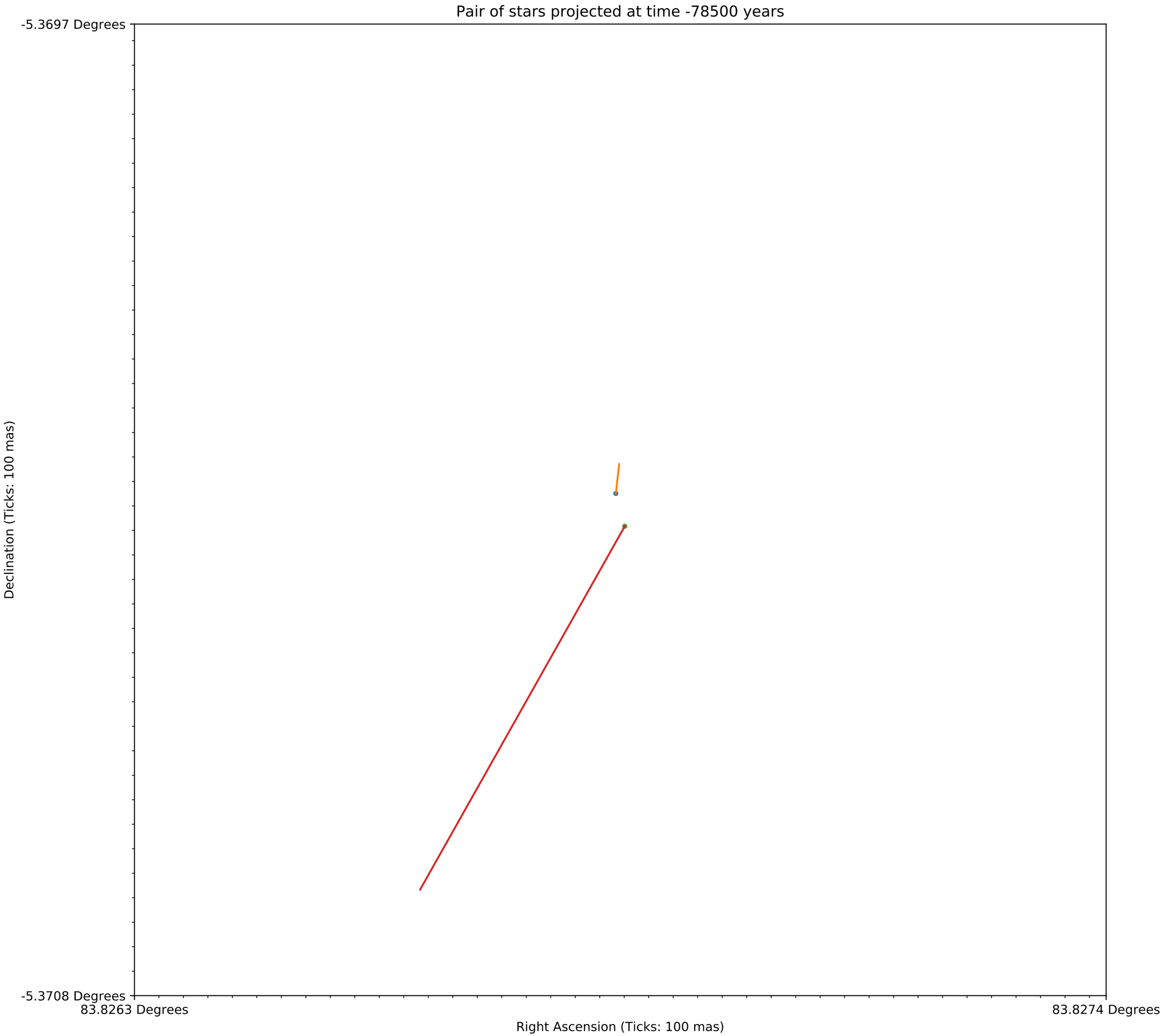

Pair of stars projected at time -72500 years
-4.9089 Degrees
-4.9105 Degrees
84.3472 Degrees
84.3488 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

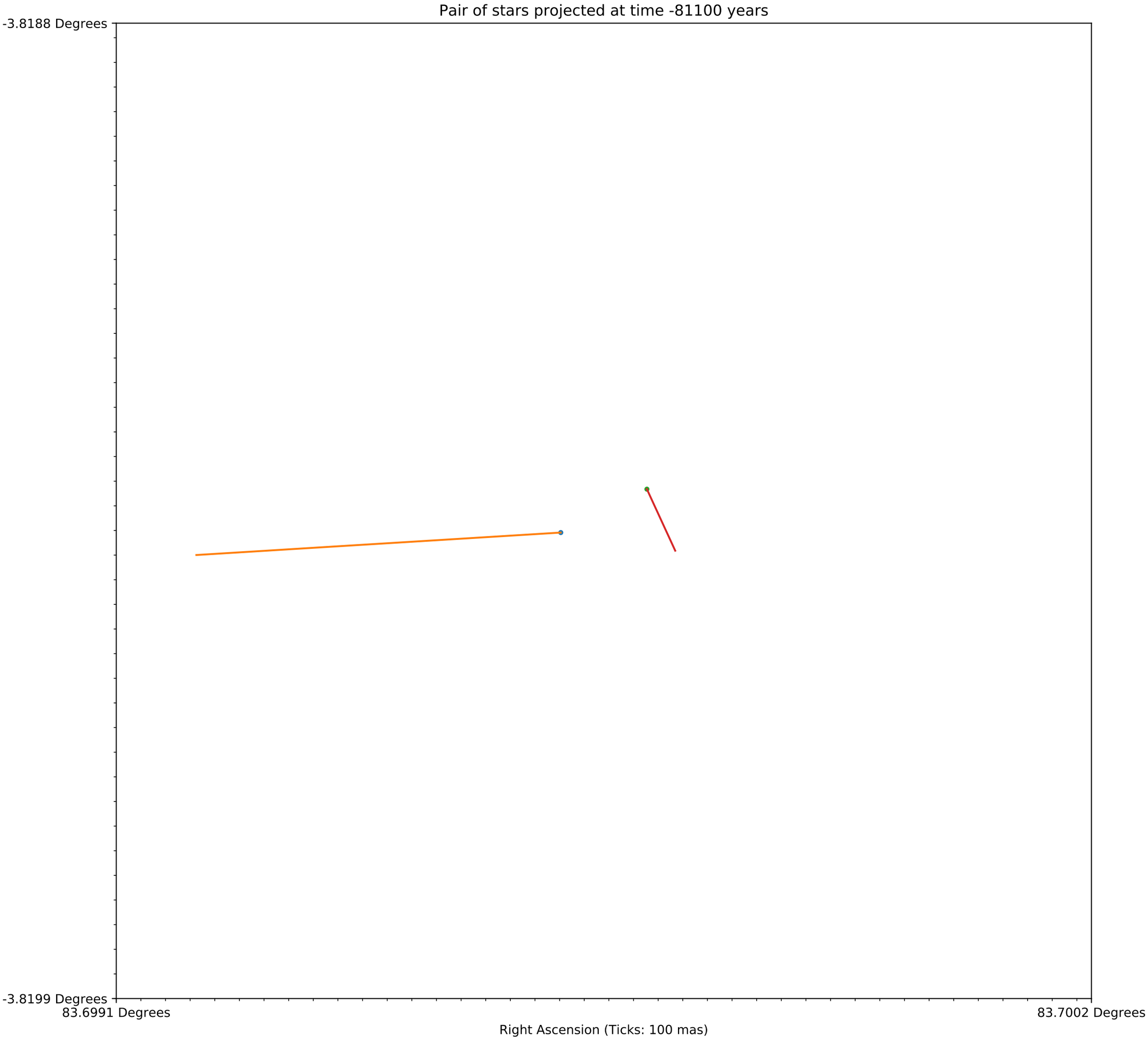

Pair of stars projected at time -72500 years
-6.4256 Degrees
Declination (Ticks: 100 mas)
-6.4264 Degrees
83.7472 Degrees
83.7481 Degrees
Right Ascension (Ticks: 100 mas)

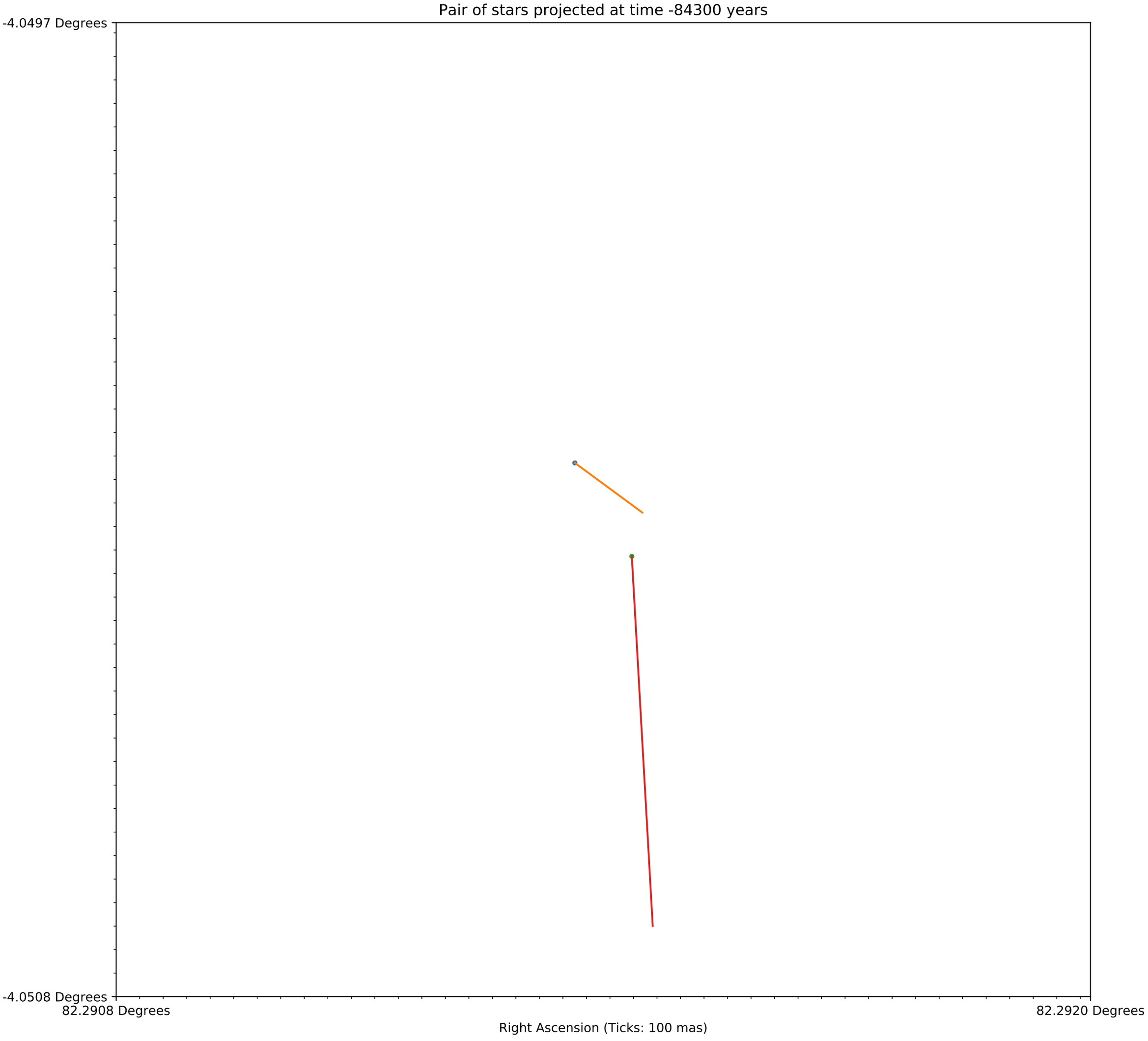
Pair of stars projected at time -72600 years
-3.6852 Degrees
Declination (Ticks: 100 mas)
-3.6861 Degrees
84.5123 Degrees
84.5131 Degrees
Right Ascension (Ticks: 100 mas)

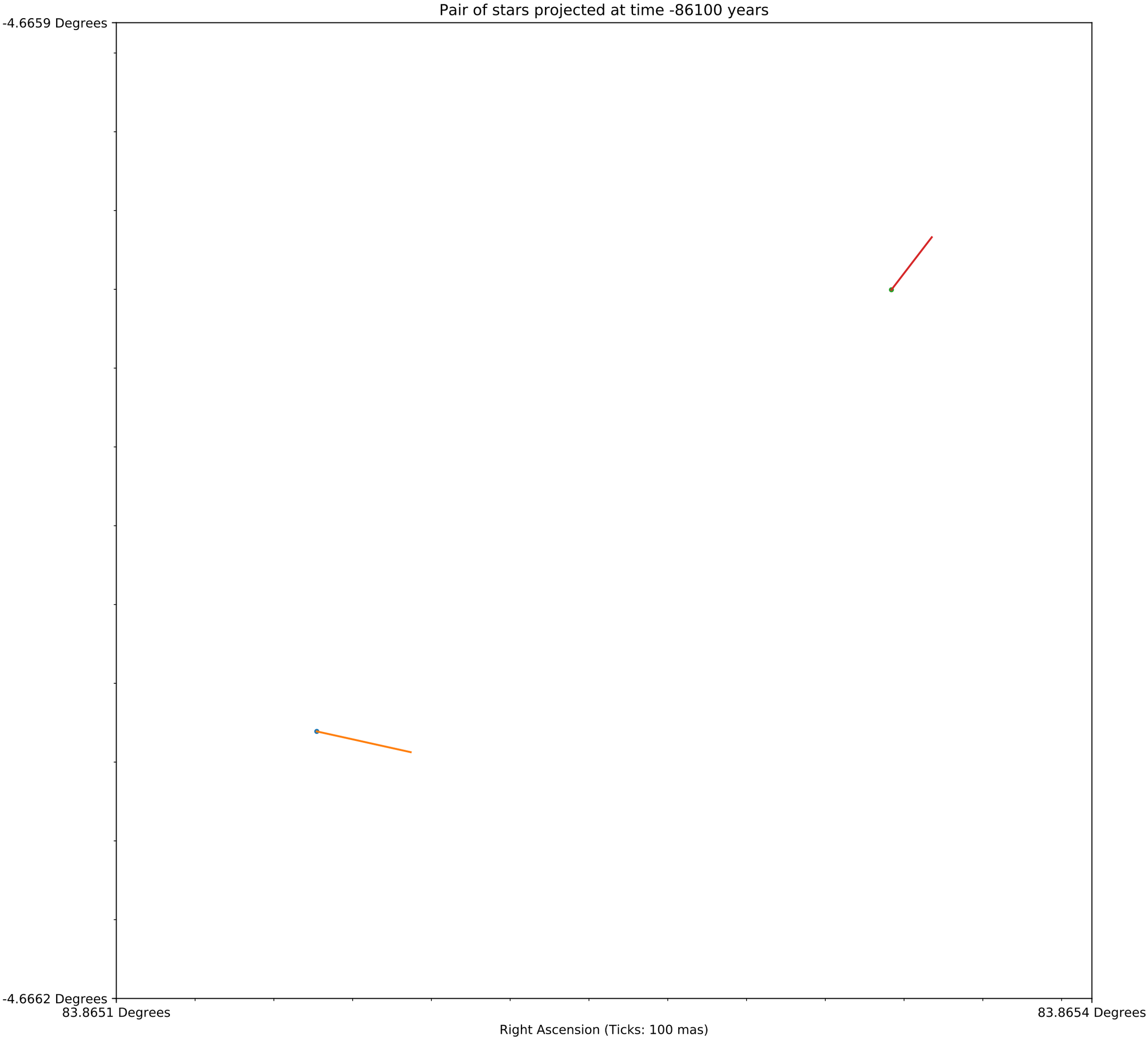

Pair of stars projected at time -75700 years
-5.4358 Degrees
-5.4375 Degrees
83.8520 Degrees
83.8538 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

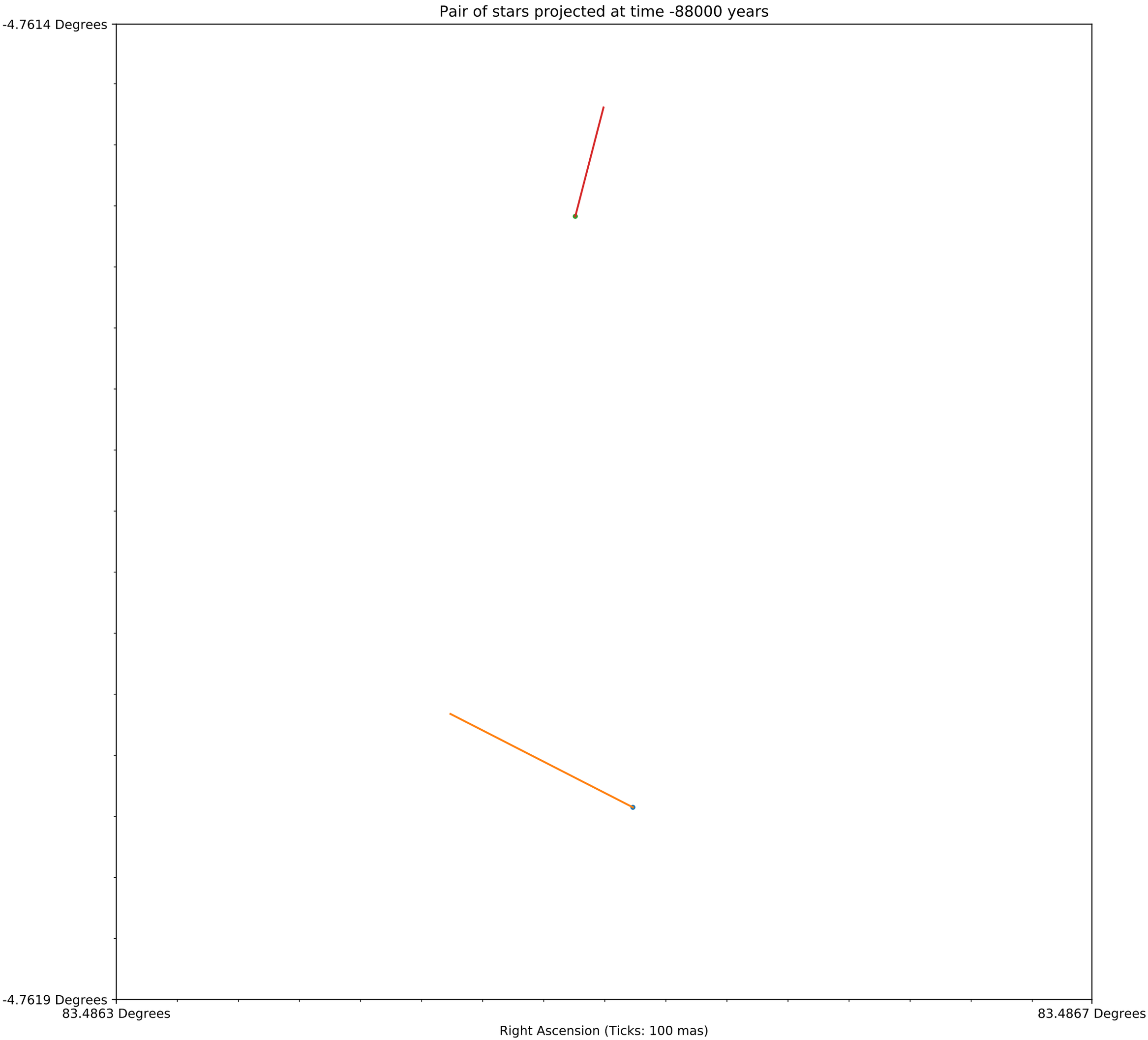

Pair of stars projected at time -78400 years
-5.1696 Degrees
Declination (Ticks: 100 mas)
-5.1699 Degrees
83.8643 Degrees
83.8647 Degrees
Right Ascension (Ticks: 100 mas)

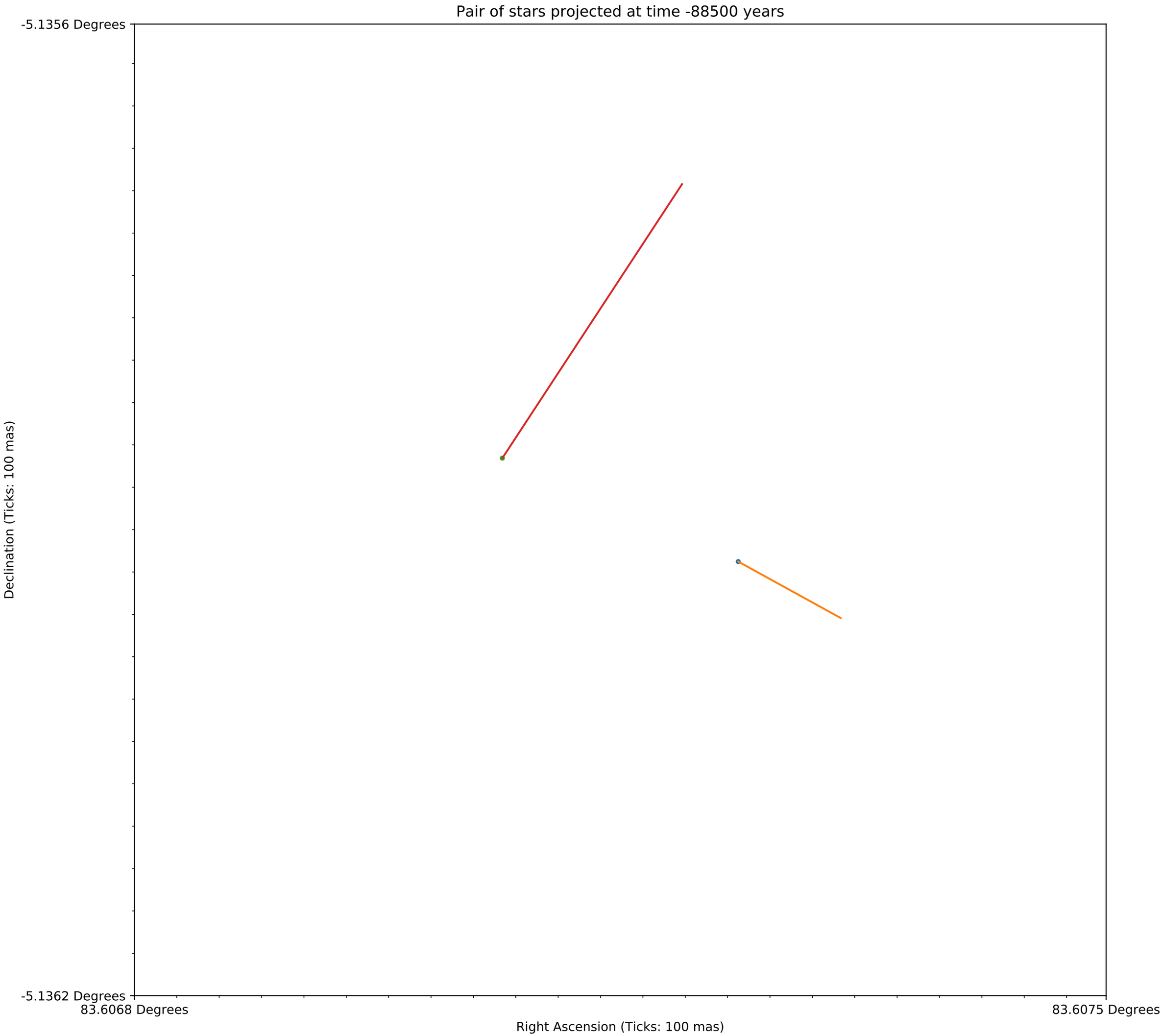

Pair of stars projected at time -78500 years
-5.3697 Degrees
Declination (Ticks: 100 mas)
-5.3708 Degrees
83.8263 Degrees
83.8274 Degrees
Right Ascension (Ticks: 100 mas)

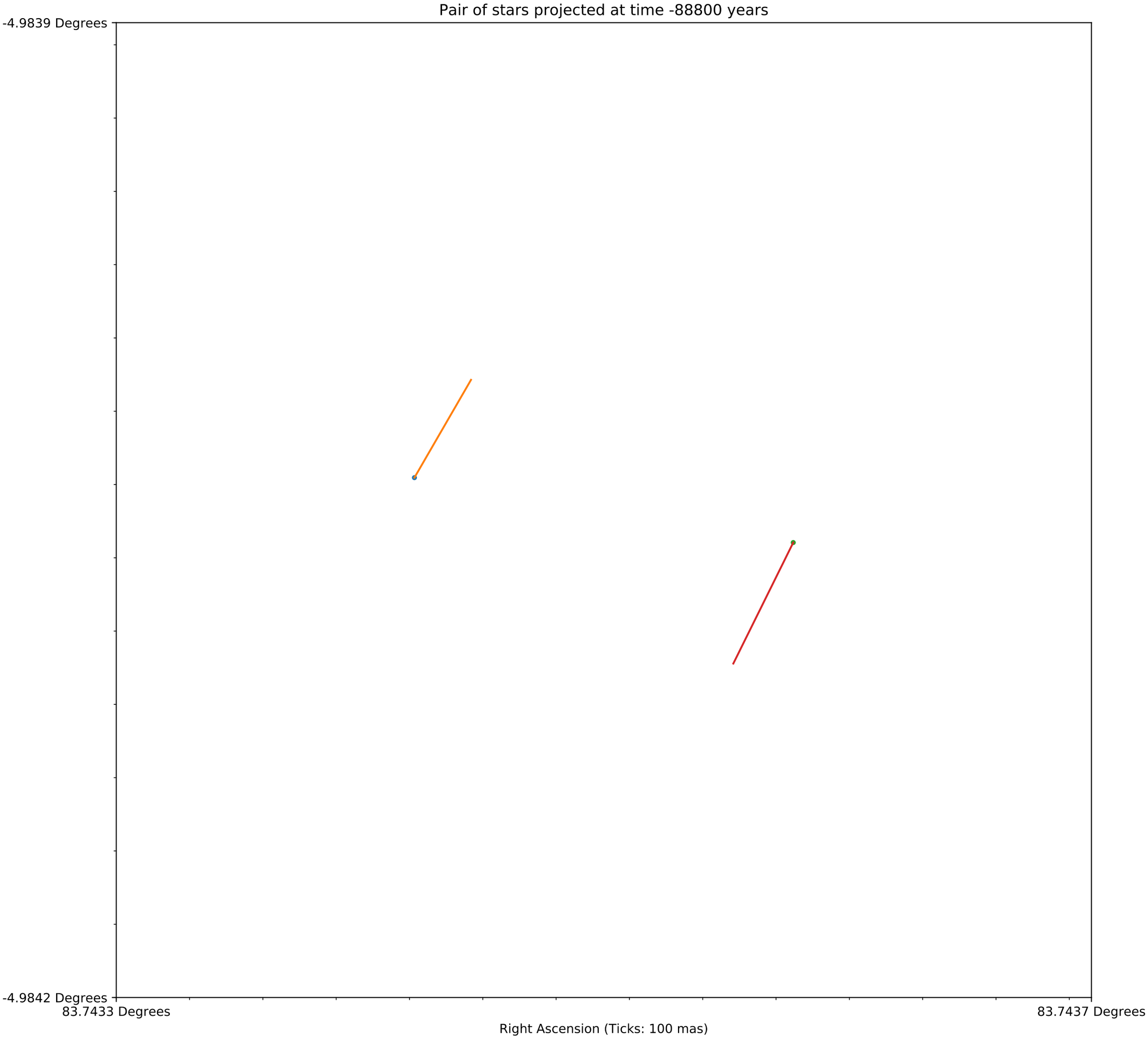

Pair of stars projected at time -81100 years
-3.8188 Degrees
-3.8199 Degrees
83.6991 Degrees
83.7002 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -84300 years
-4.0497 Degrees
Declination (Ticks: 100 mas)
-4.0508 Degrees
82.2908 Degrees
82.2920 Degrees
Right Ascension (Ticks: 100 mas)

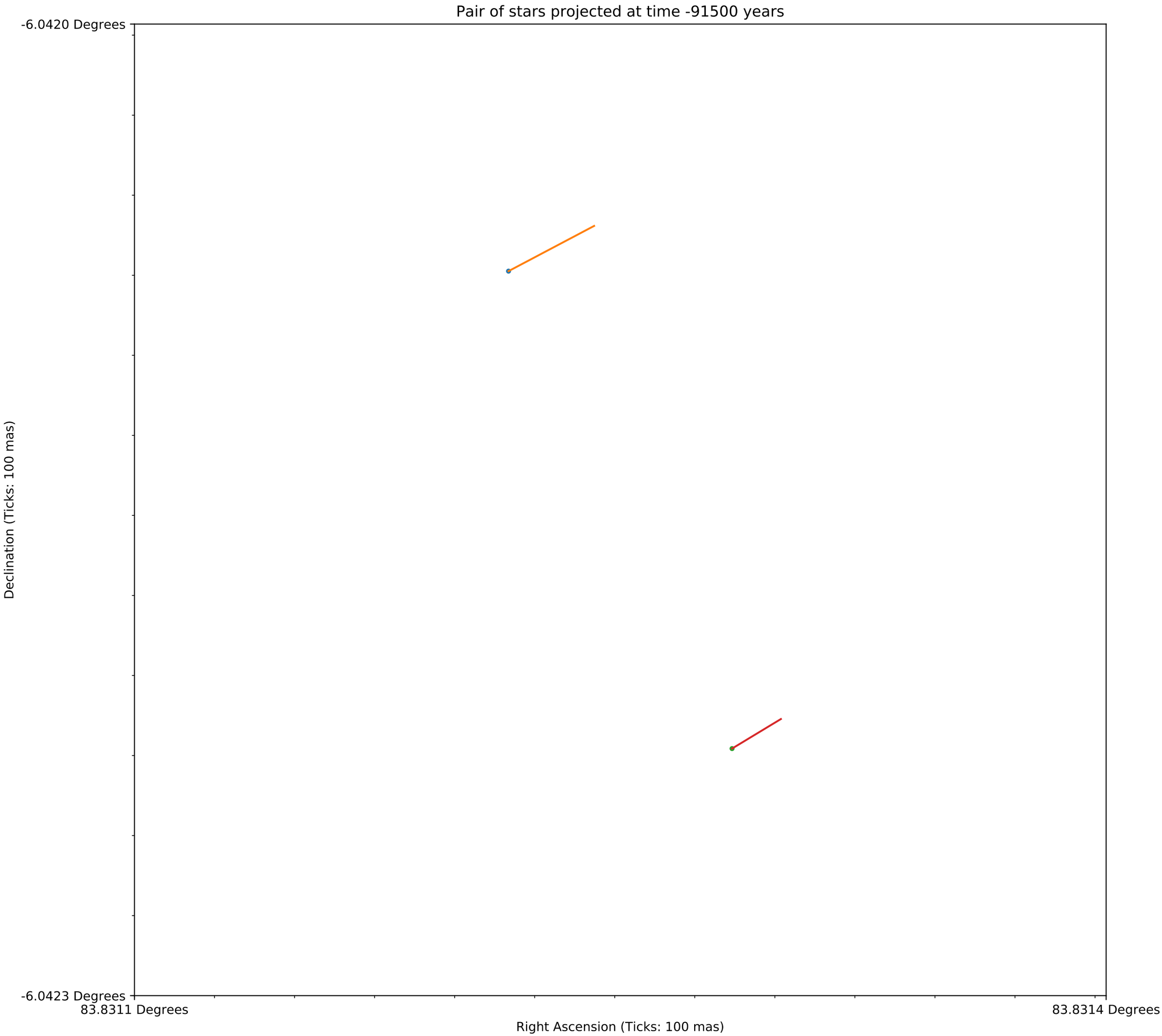

Pair of stars projected at time -86100 years
-4.6659 Degrees
-4.6662 Degrees
83.8651 Degrees
83.8654 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

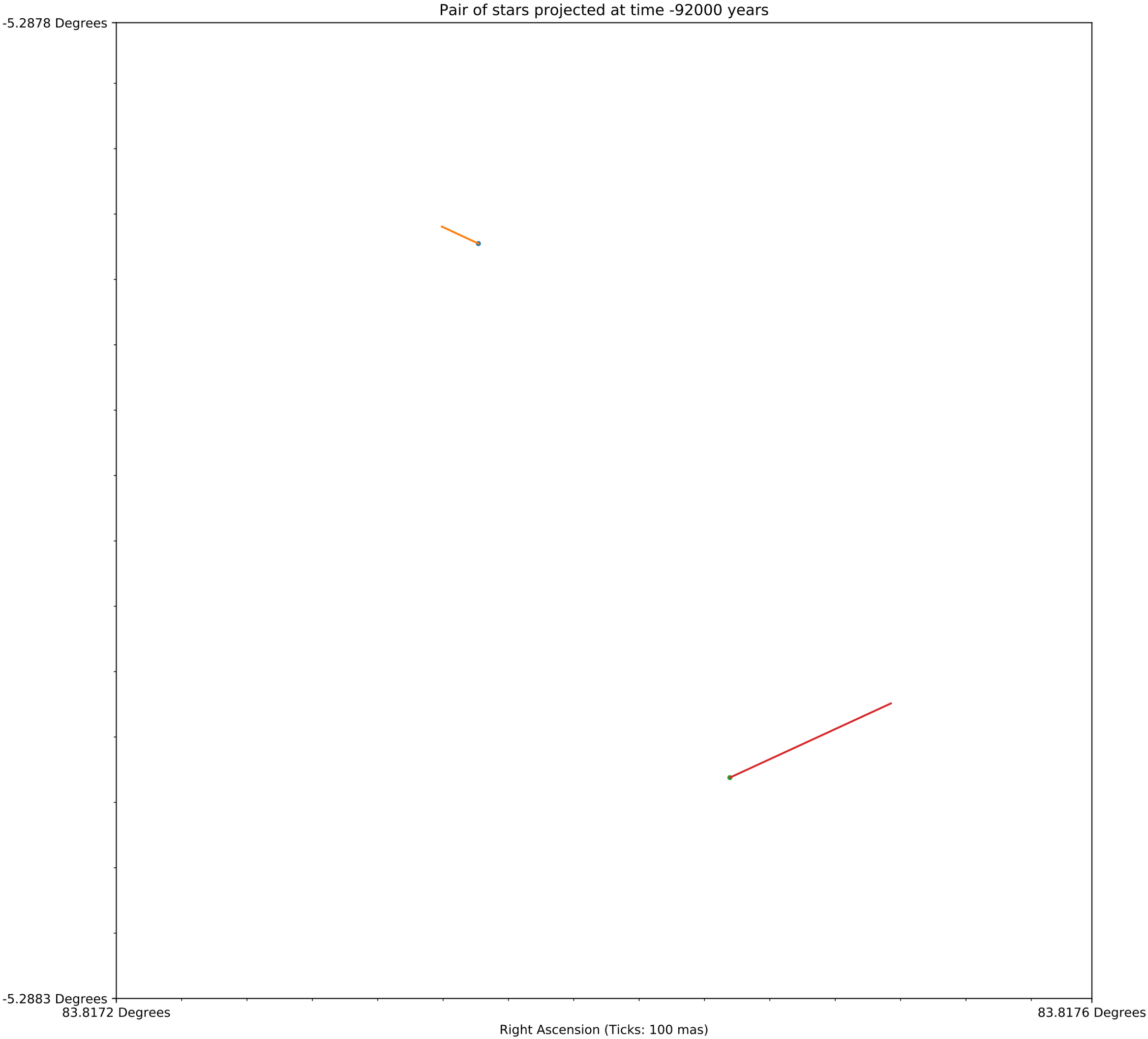

Pair of stars projected at time -88000 years
-4.7614 Degrees
Declination (Ticks: 100 mas)
-4.7619 Degrees
83.4863 Degrees
83.4867 Degrees
Right Ascension (Ticks: 100 mas)

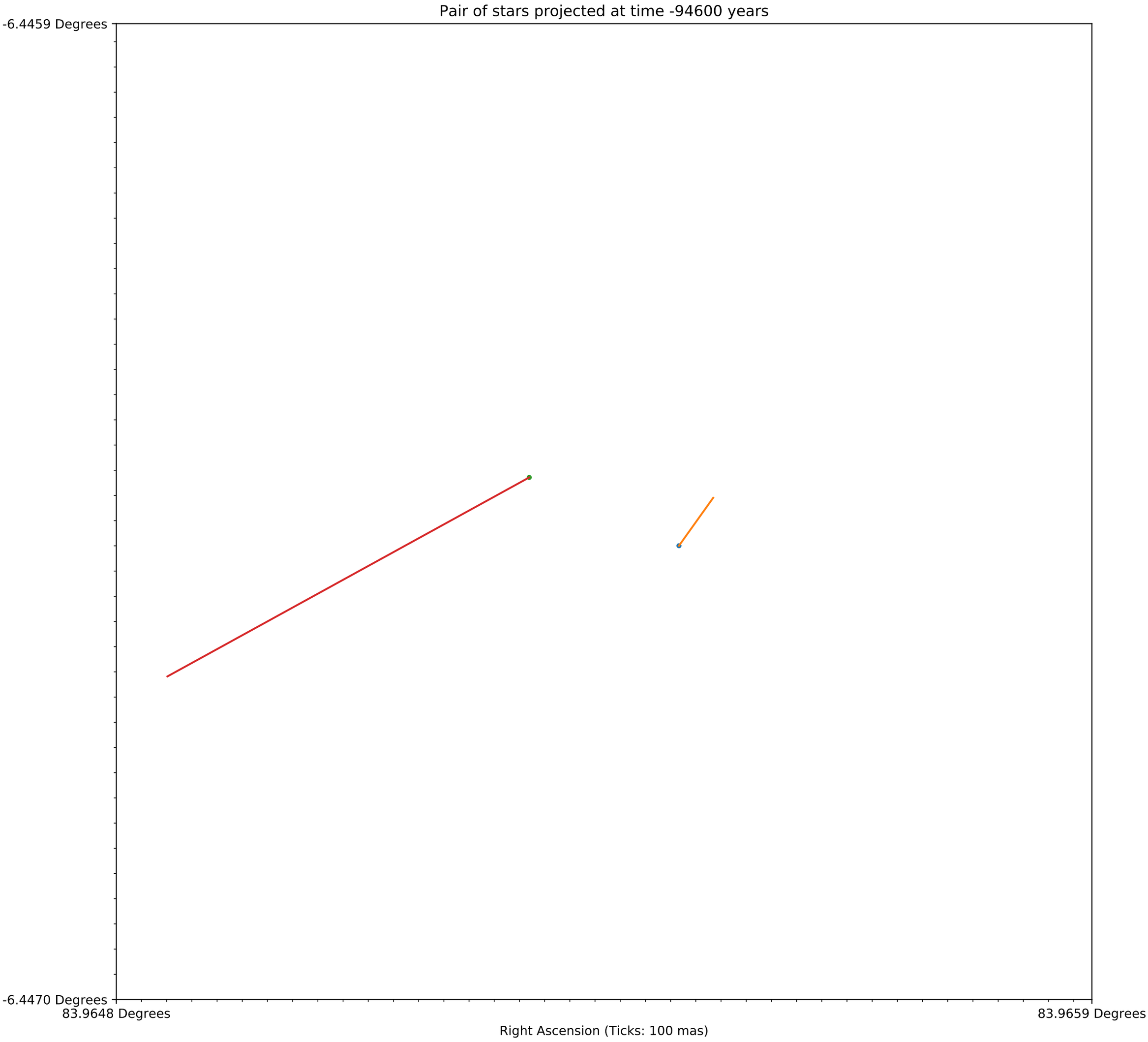

Pair of stars projected at time -88500 years
-5.1356 Degrees
-5.1362 Degrees
83.6068 Degrees
83.6075 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

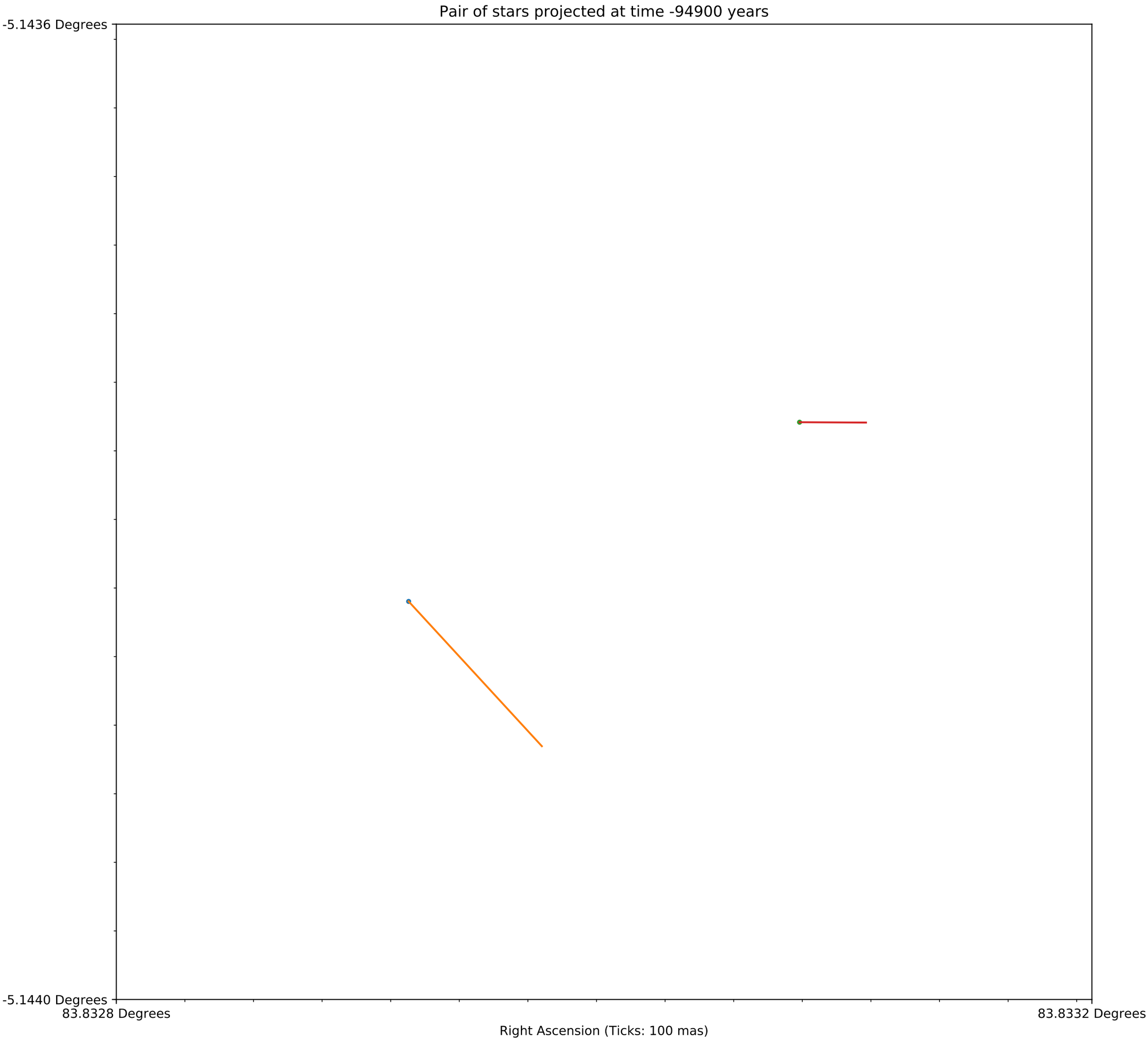

Pair of stars projected at time -88800 years
-4.9839 Degrees
Declination (Ticks: 100 mas)
-4.9842 Degrees
83.7433 Degrees
83.7437 Degrees
Right Ascension (Ticks: 100 mas)

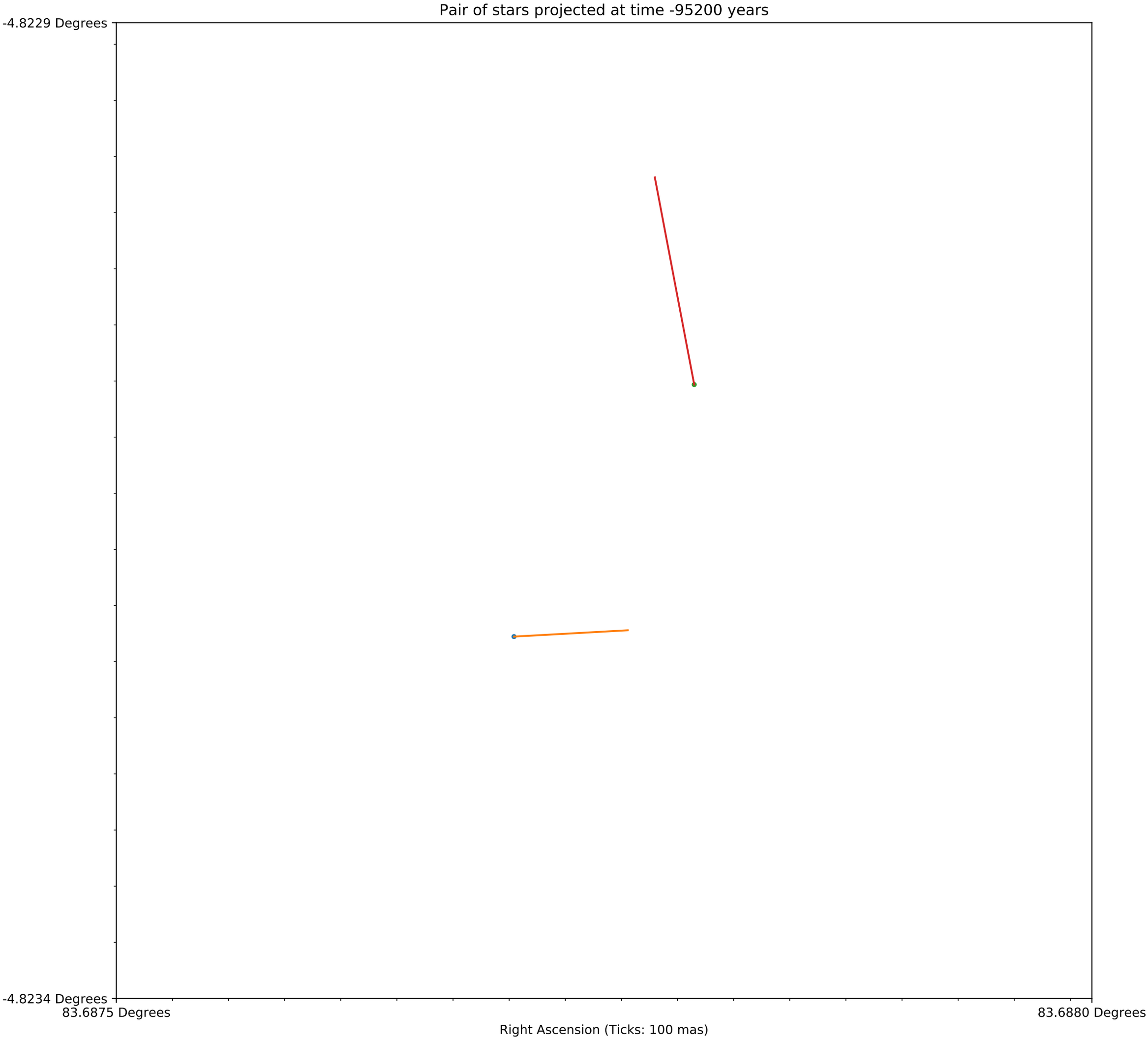
Pair of stars projected at time -91200 years
-3.9656 Degrees
Declination (Ticks: 100 mas)
-3.9662 Degrees
83.9271 Degrees
83.9277 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -91500 years
-6.0420 Degrees
-6.0423 Degrees
83.8311 Degrees
83.8314 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

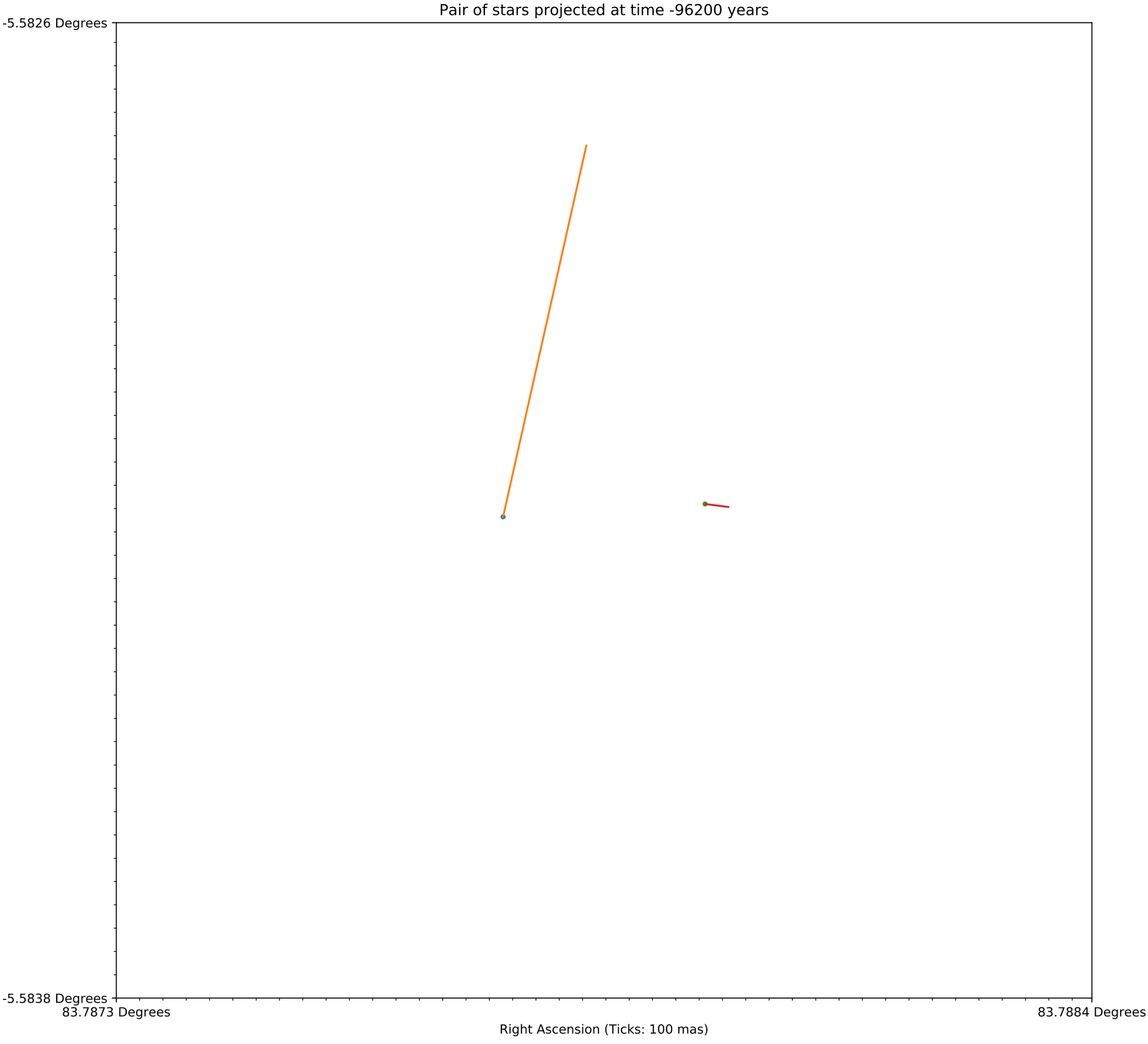

Pair of stars projected at time -92000 years
-5.2878 Degrees
Declination (Ticks: 100 mas)
-5.2883 Degrees
83.8172 Degrees
83.8176 Degrees
Right Ascension (Ticks: 100 mas)

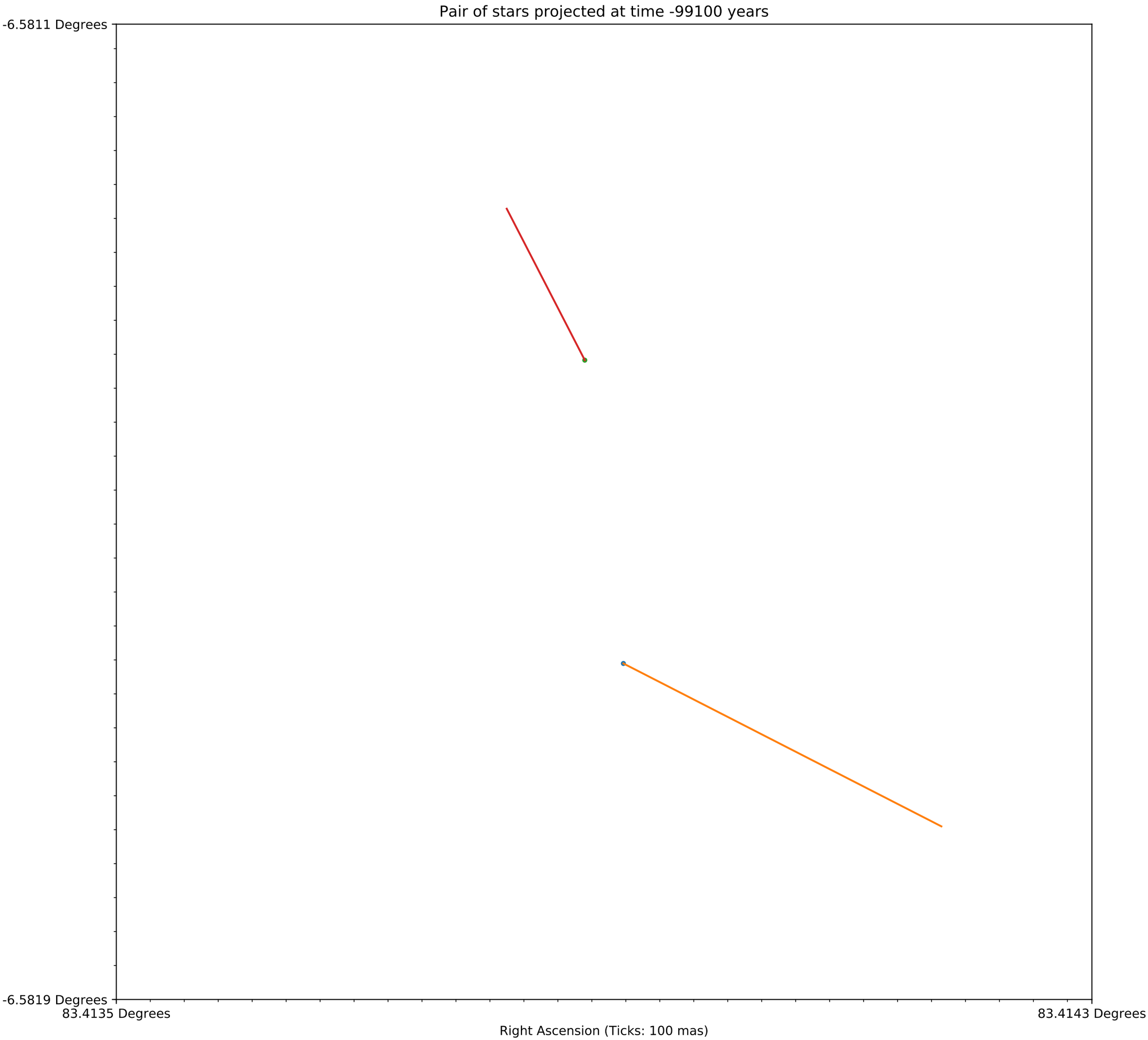

Pair of stars projected at time -94600 years
-6.4459 Degrees
Declination (Ticks: 100 mas)
-6.4470 Degrees
83.9648 Degrees
83.9659 Degrees
Right Ascension (Ticks: 100 mas)

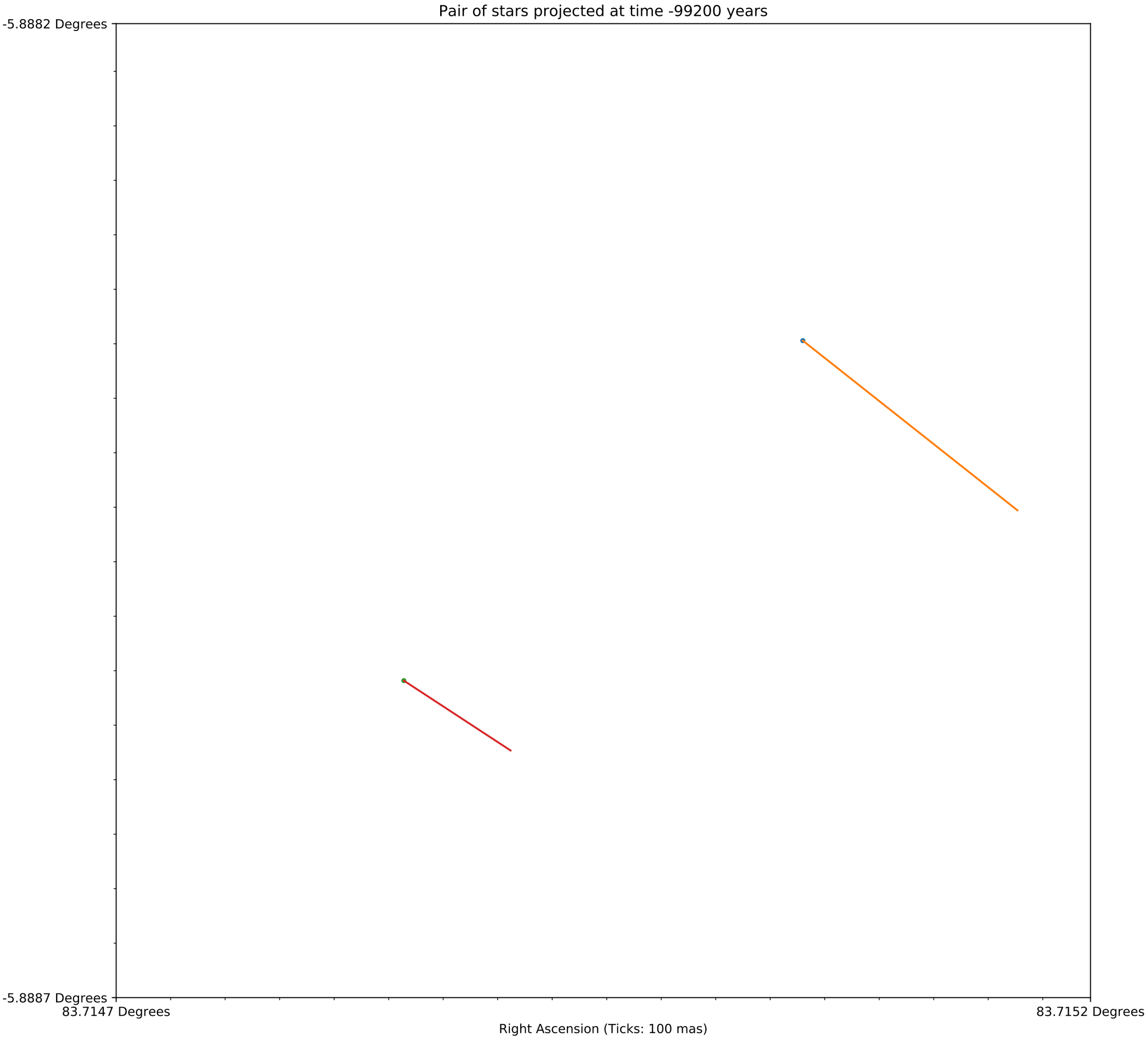

Pair of stars projected at time -94900 years
-5.1436 Degrees
-5.1440 Degrees
83.8328 Degrees
83.8332 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

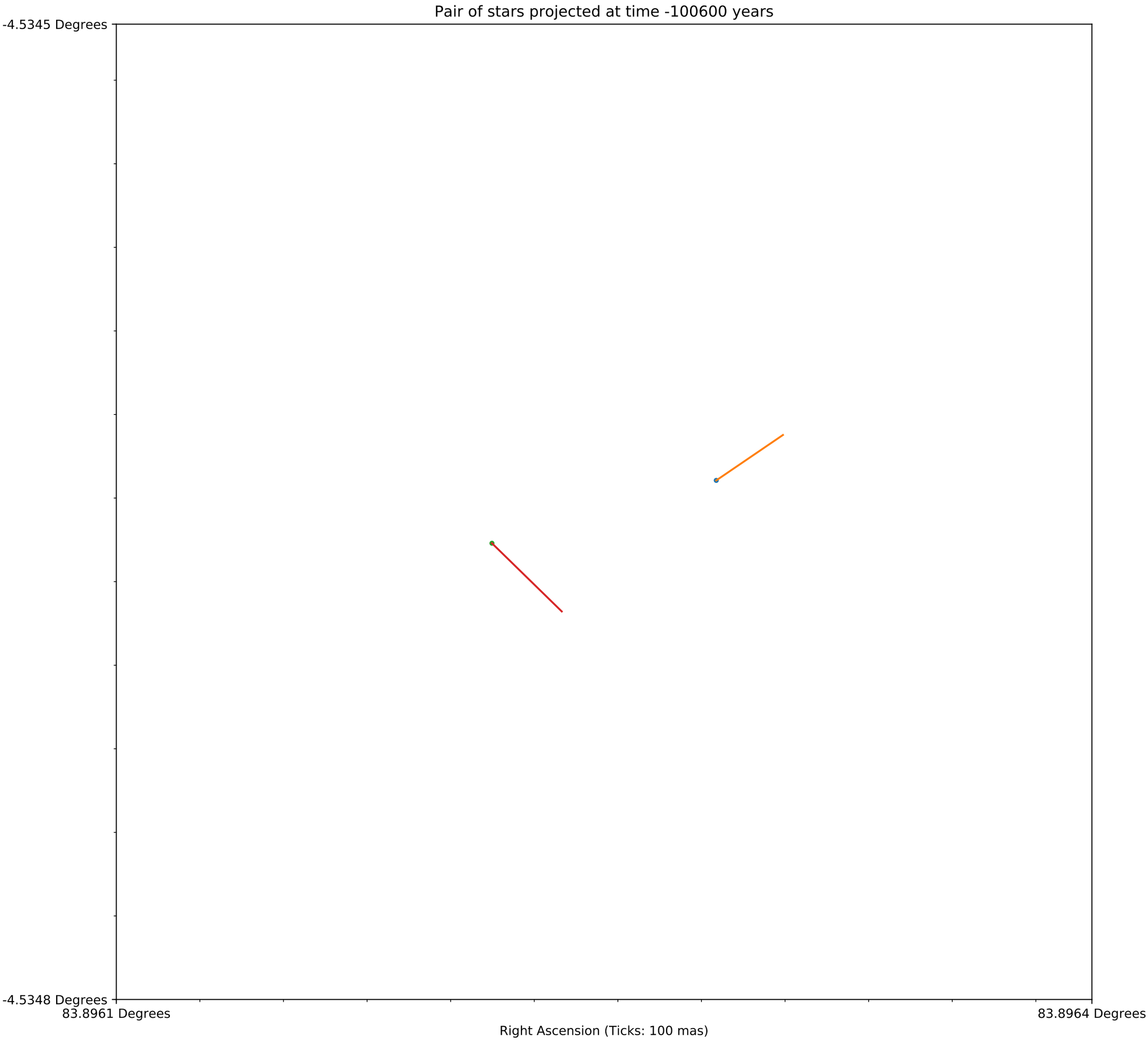

Pair of stars projected at time -95200 years
-4.8229 Degrees
-4.8234 Degrees
83.6875 Degrees
83.6880 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

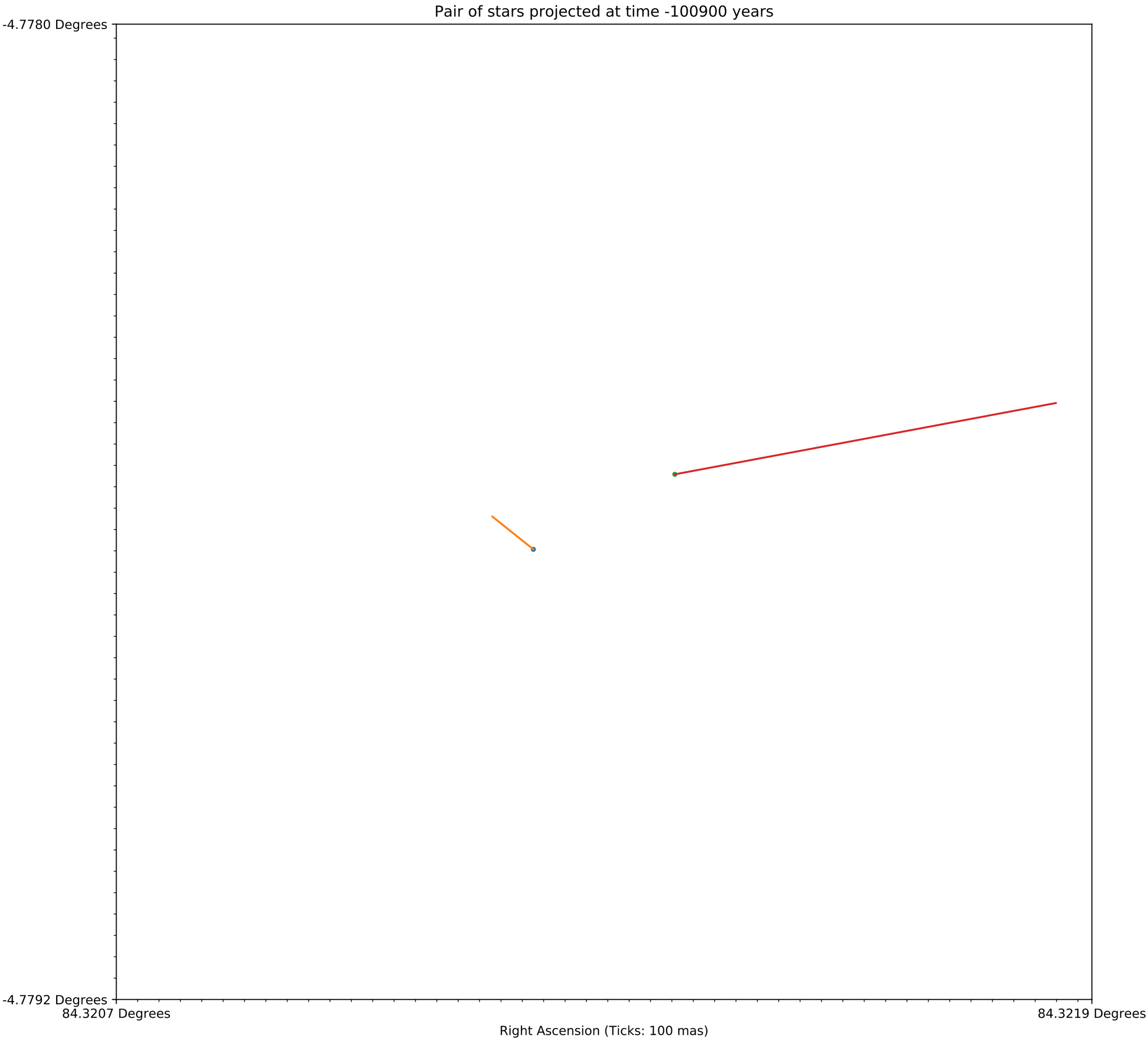
Pair of stars projected at time -95900 years
-6.2760 Degrees
Declination (Ticks: 100 mas)
-6.2764 Degrees
83.6695 Degrees
83.6699 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -96200 years
-5.5826 Degrees
-5.5838 Degrees
83.7873 Degrees
83.7884 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

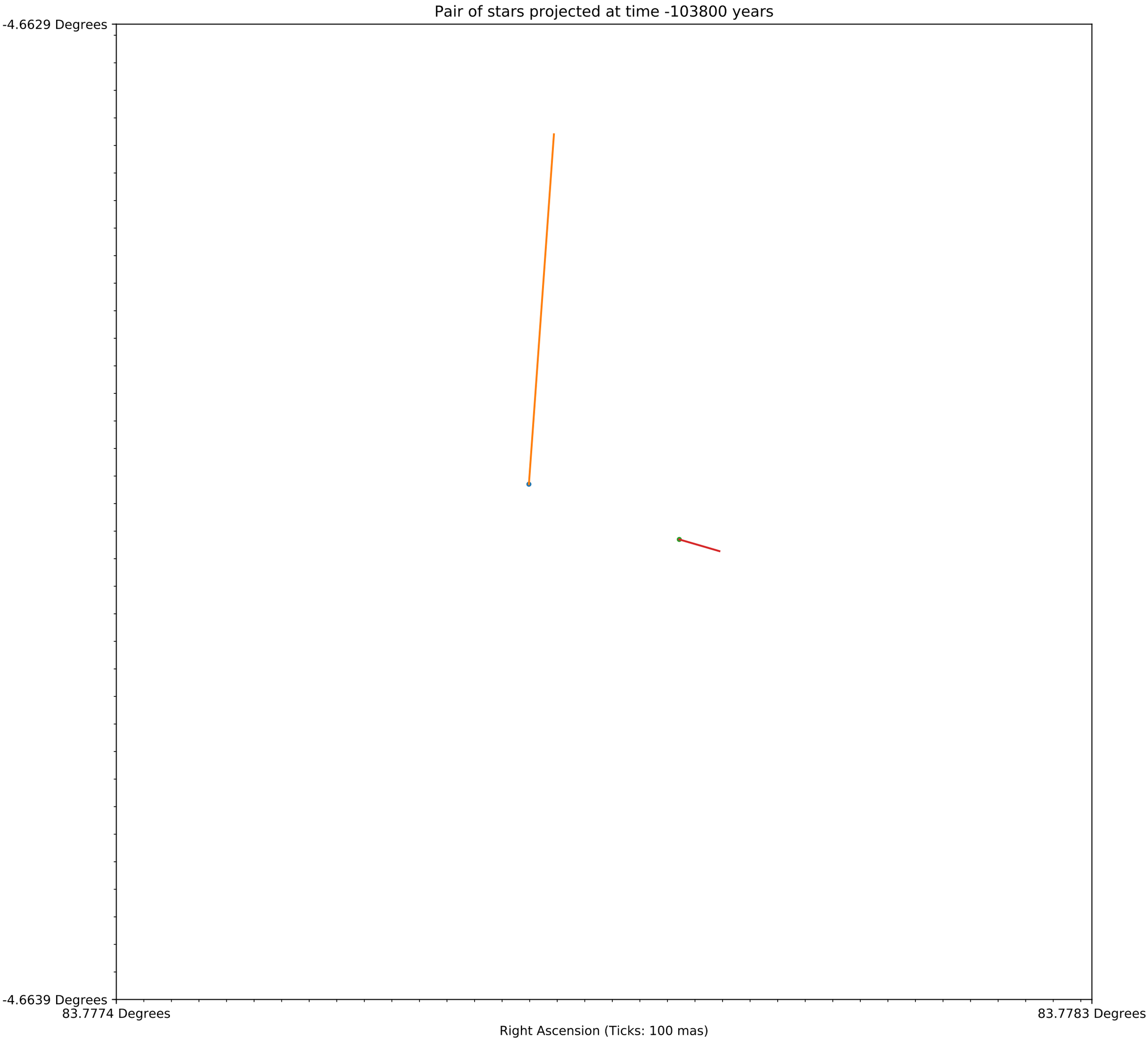

Pair of stars projected at time -99100 years
-6.5811 Degrees
Declination (Ticks: 100 mas)
-6.5819 Degrees
83.4135 Degrees
83.4143 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -99200 years
-5.8882 Degrees
Declination (Ticks: 100 mas)
-5.8887 Degrees
83.7147 Degrees
83.7152 Degrees
Right Ascension (Ticks: 100 mas)

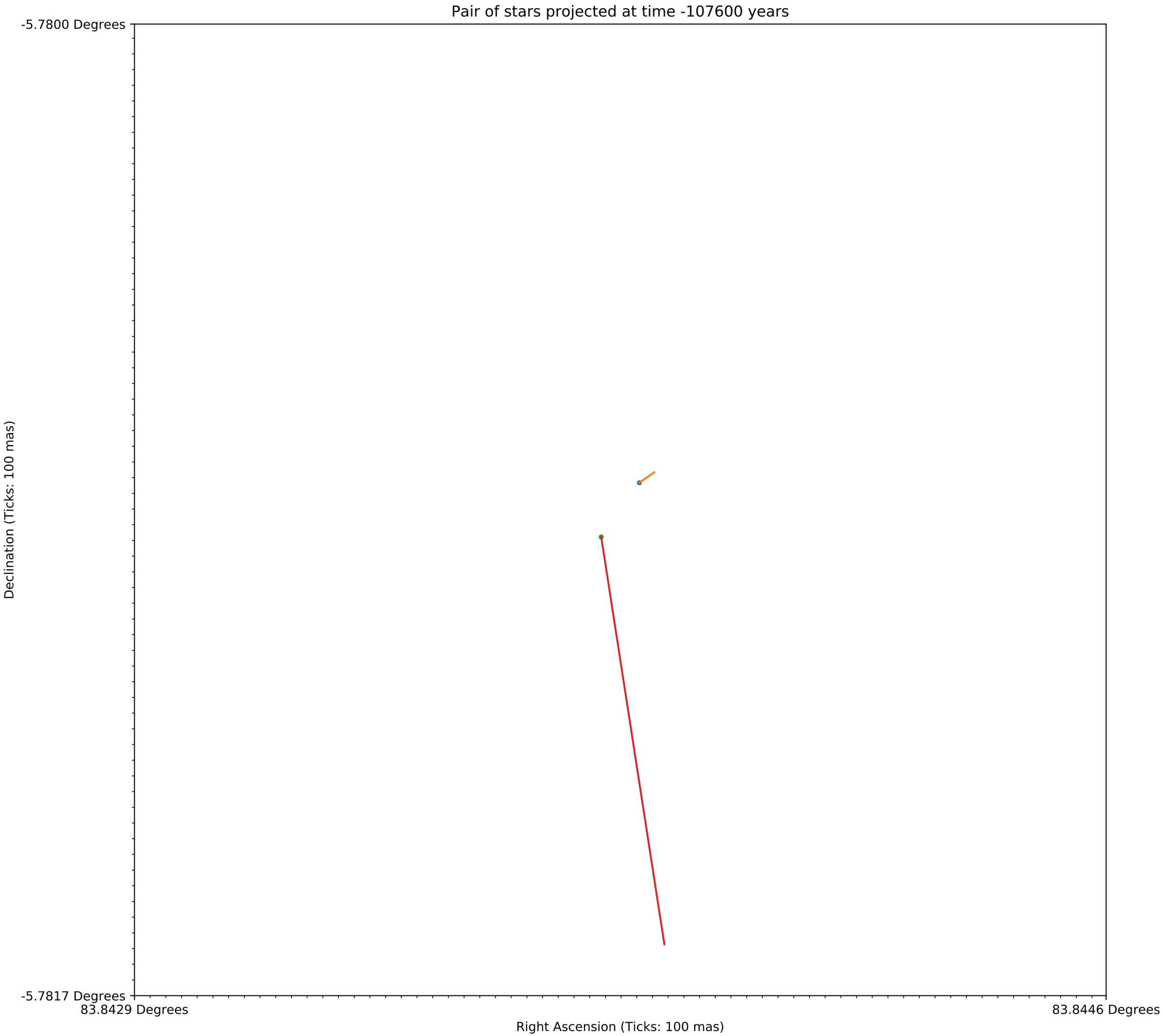

Pair of stars projected at time -100600 years
-4.5345 Degrees
-4.5348 Degrees
83.8961 Degrees
83.8964 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

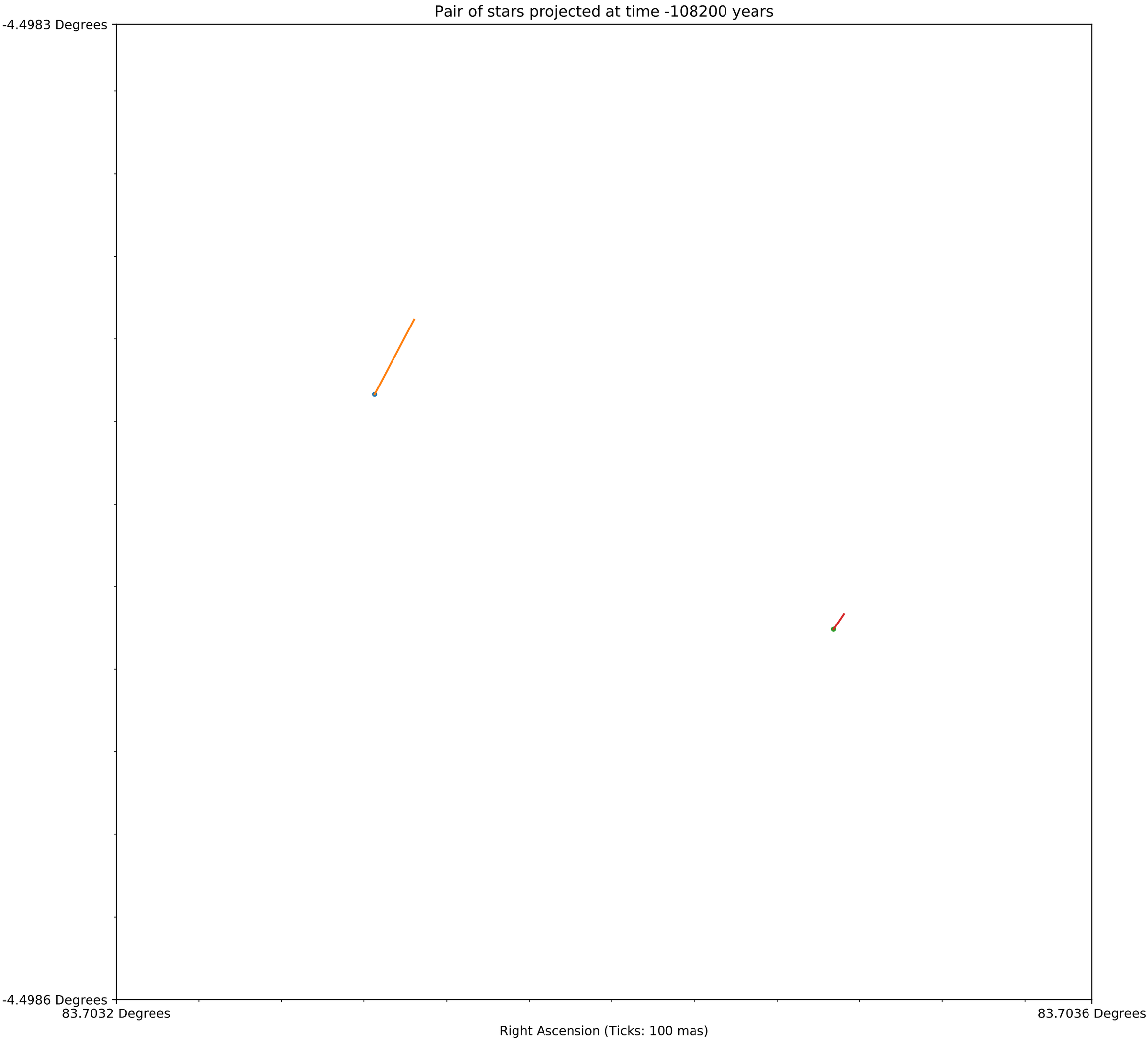

Pair of stars projected at time -100900 years
-4.7780 Degrees
Declination (Ticks: 100 mas)
-4.7792 Degrees
84.3207 Degrees
84.3219 Degrees
Right Ascension (Ticks: 100 mas)

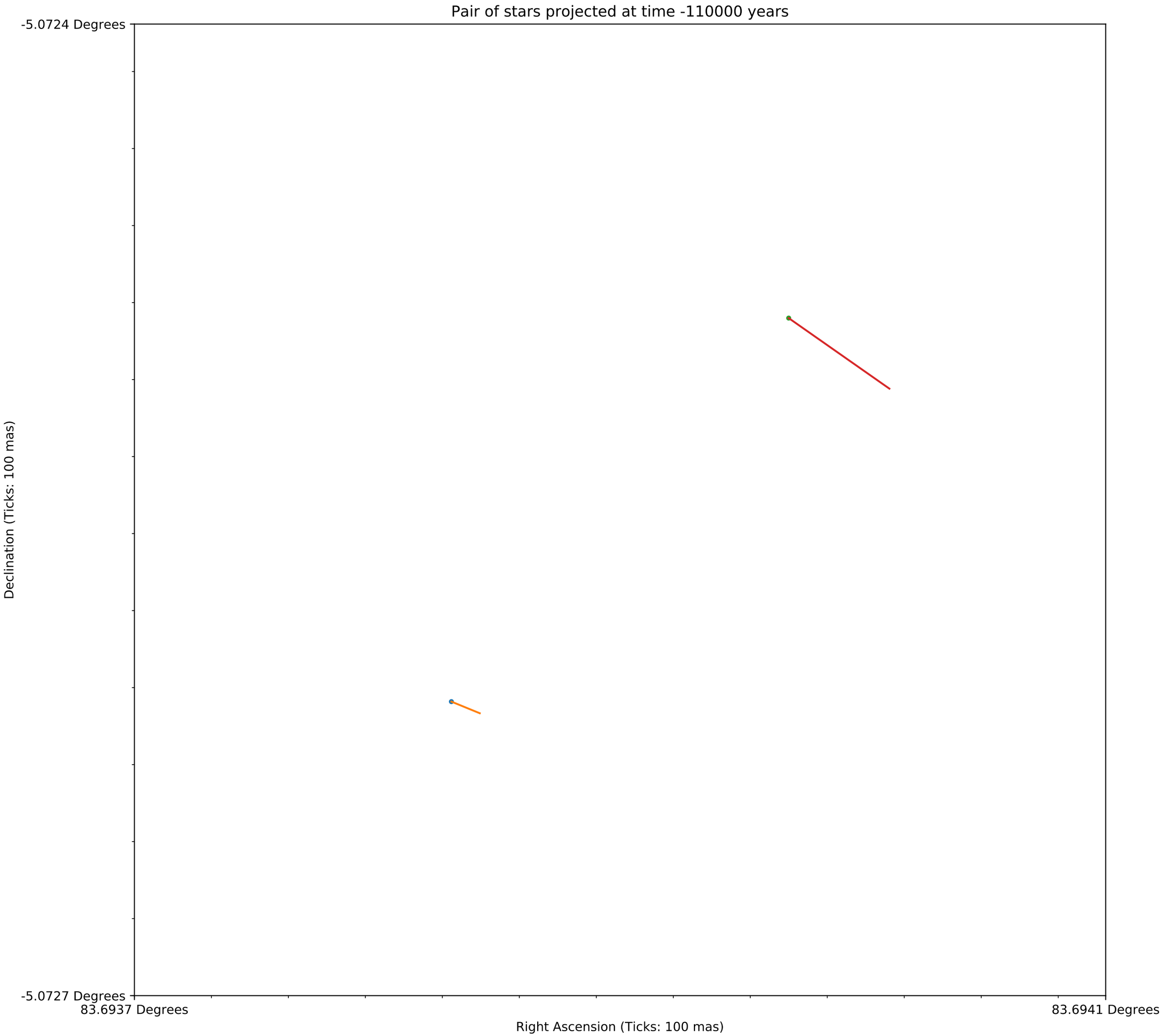
Pair of stars projected at time -103100 years
-5.5969 Degrees
-5.5973 Degrees
84.8985 Degrees
84.8989 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

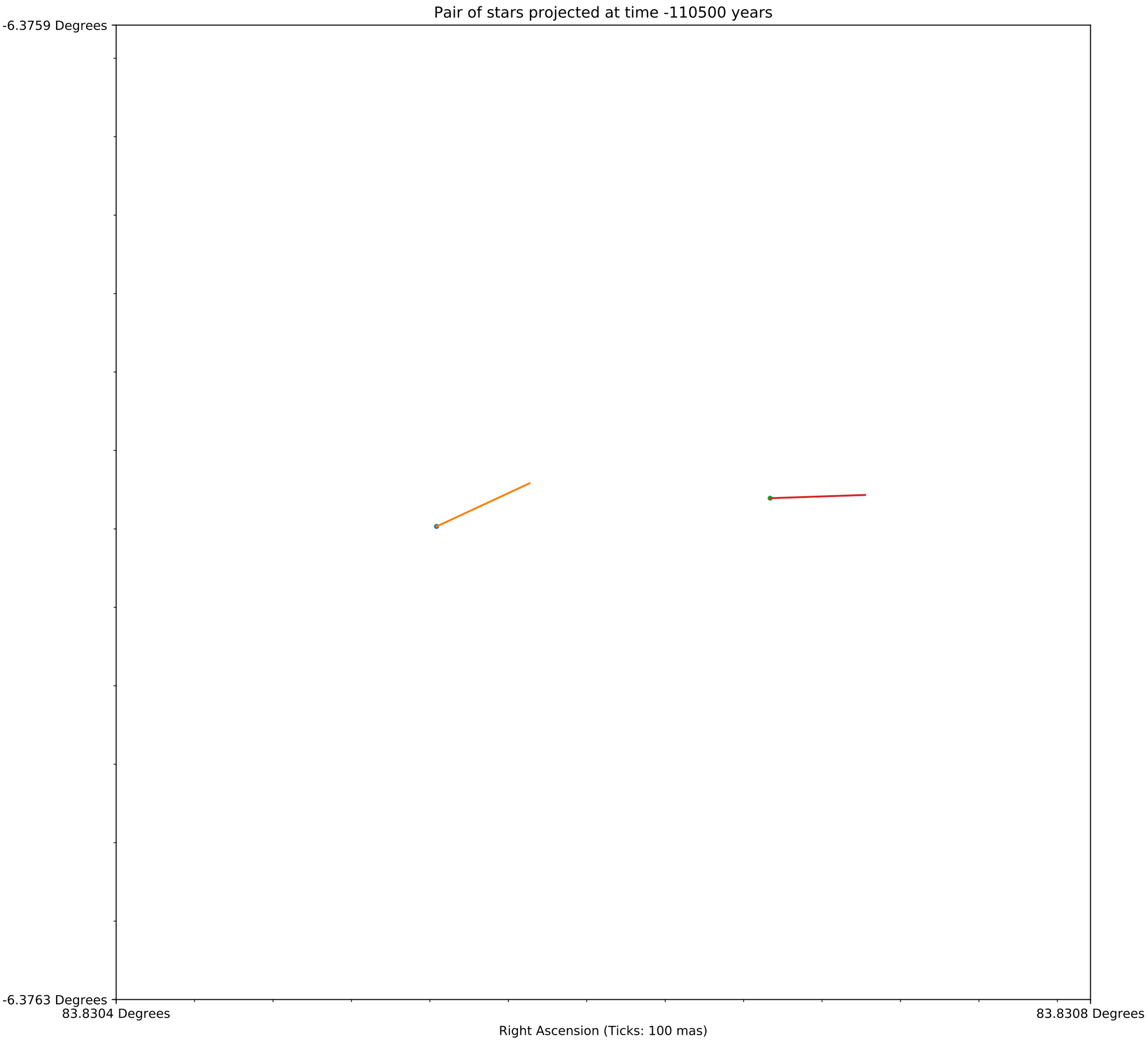

Pair of stars projected at time -103800 years
-4.6629 Degrees
-4.6639 Degrees
83.7774 Degrees
83.7783 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

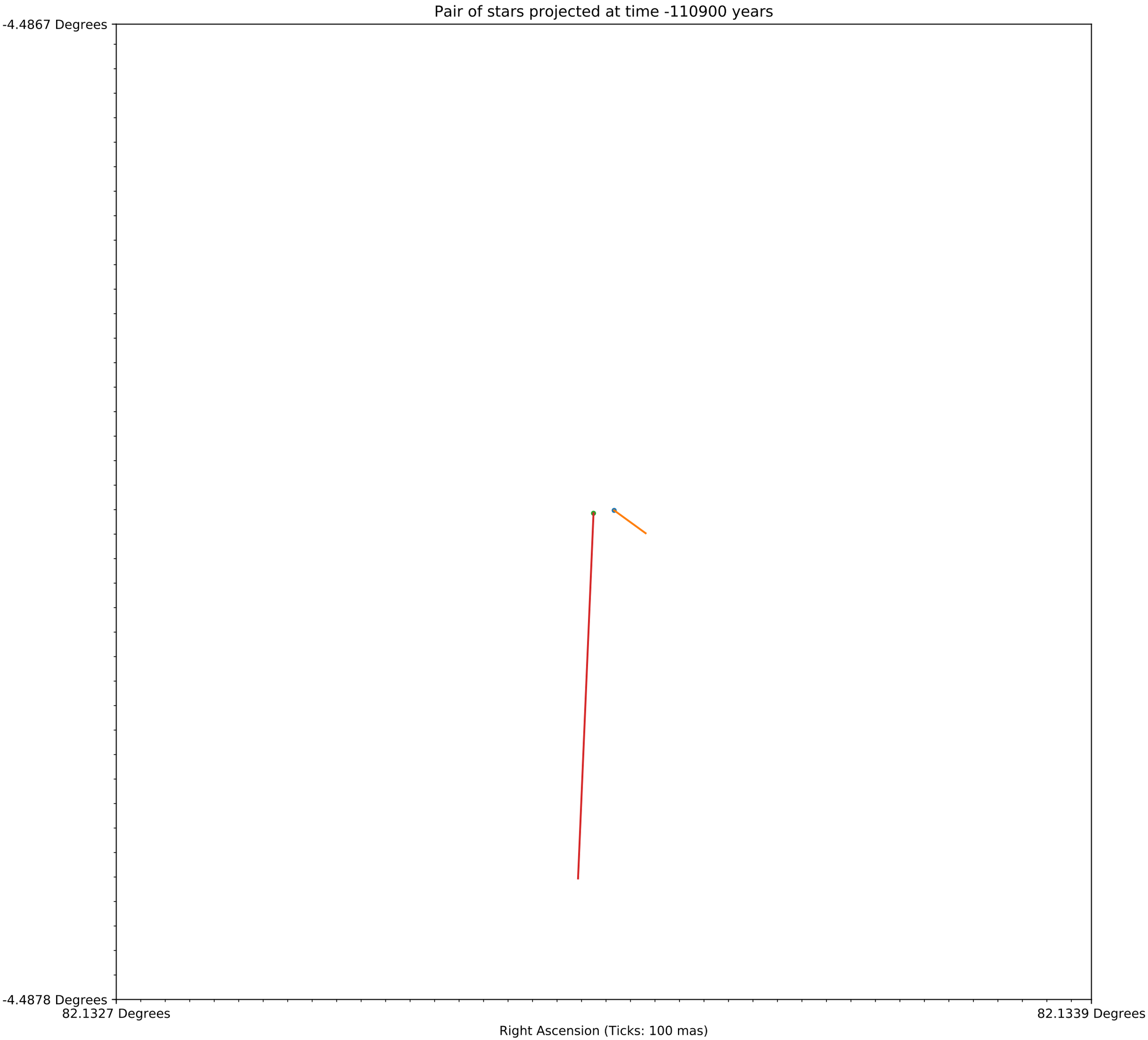
Pair of stars projected at time -107100 years
-4.6528 Degrees
Declination (Ticks: 100 mas)
-4.6532 Degrees
83.4274 Degrees
83.4278 Degrees
Right Ascension (Ticks: 100 mas)

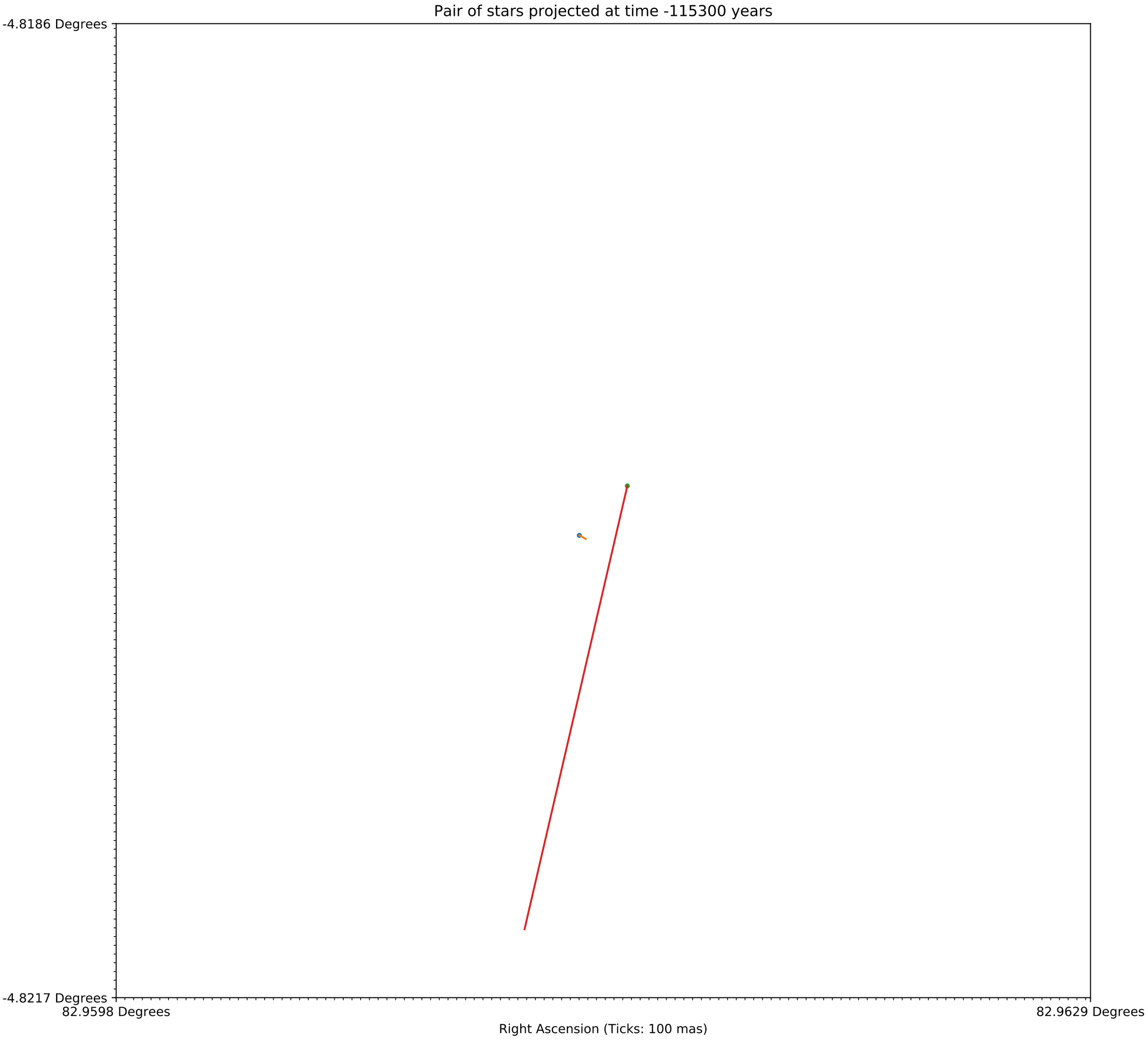

Pair of stars projected at time -107600 years
-5.7800 Degrees
-5.7817 Degrees
83.8429 Degrees
83.8446 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

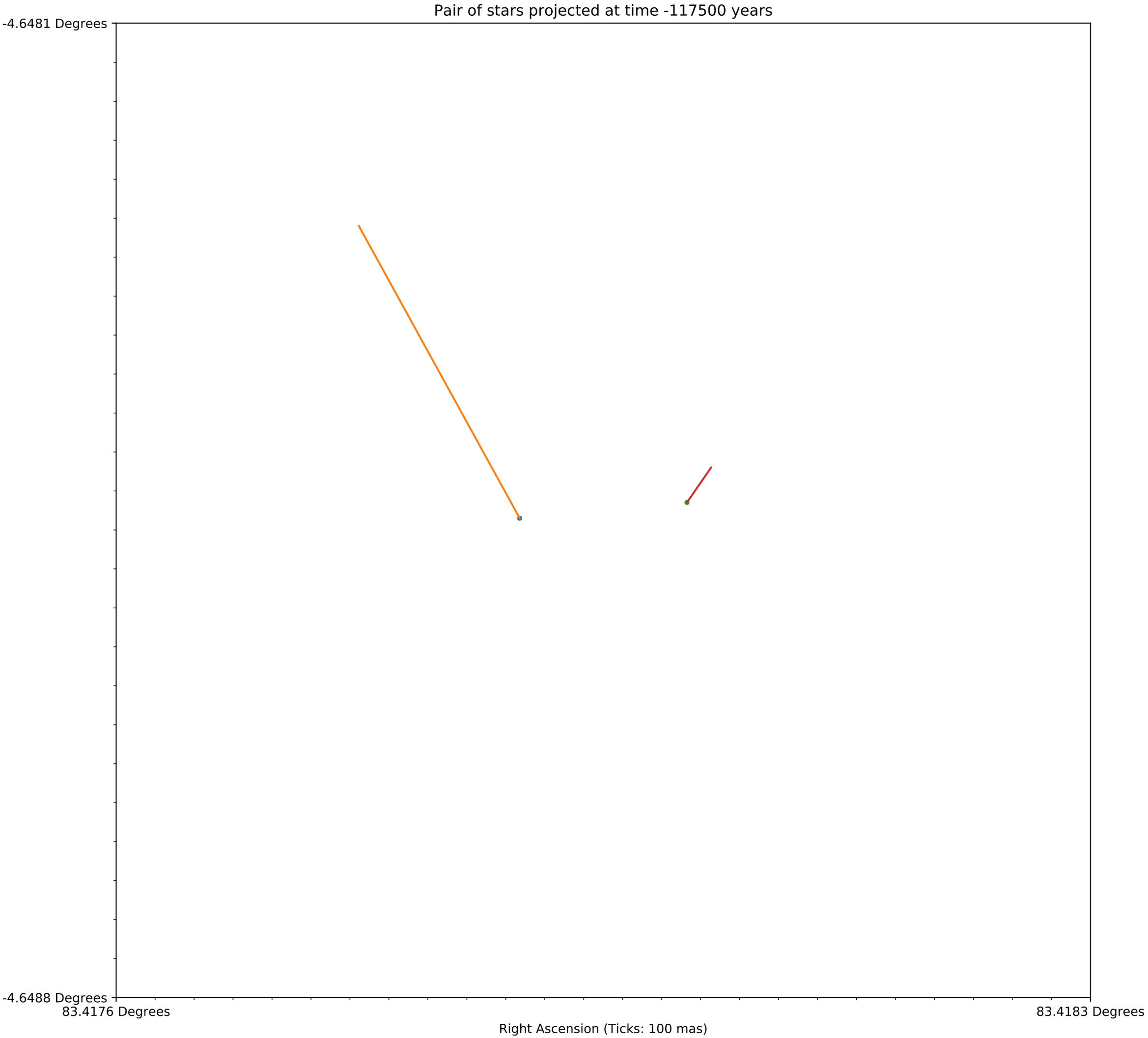

Pair of stars projected at time -108200 years
-4.4983 Degrees
-4.4986 Degrees
83.7032 Degrees
83.7036 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

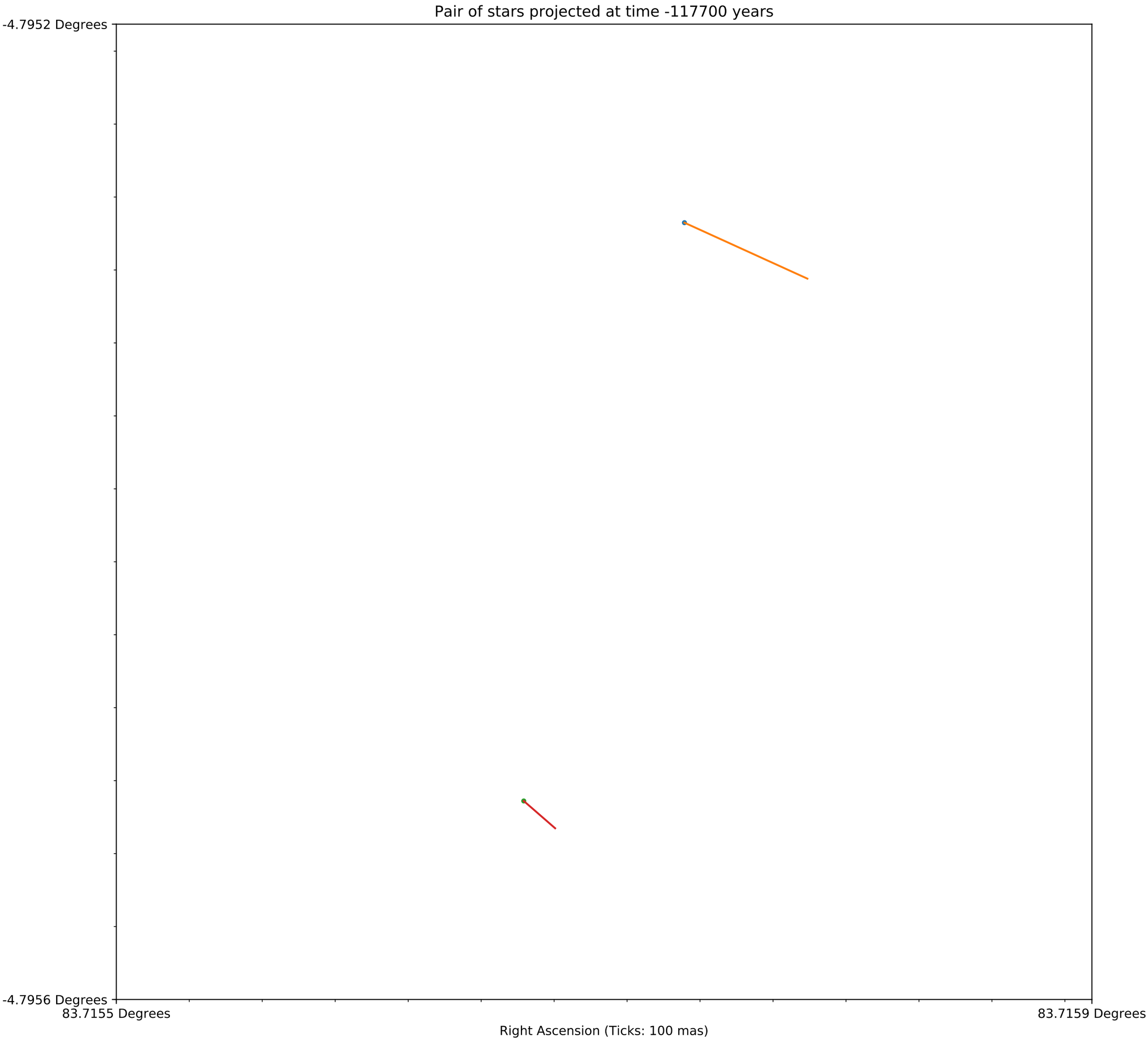

Pair of stars projected at time -110000 years
-5.0724 Degrees
-5.0727 Degrees
83.6937 Degrees
83.6941 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -110500 years
-6.3759 Degrees
Declination (Ticks: 100 mas)
-6.3763 Degrees
83.8304 Degrees
83.8308 Degrees
Right Ascension (Ticks: 100 mas)

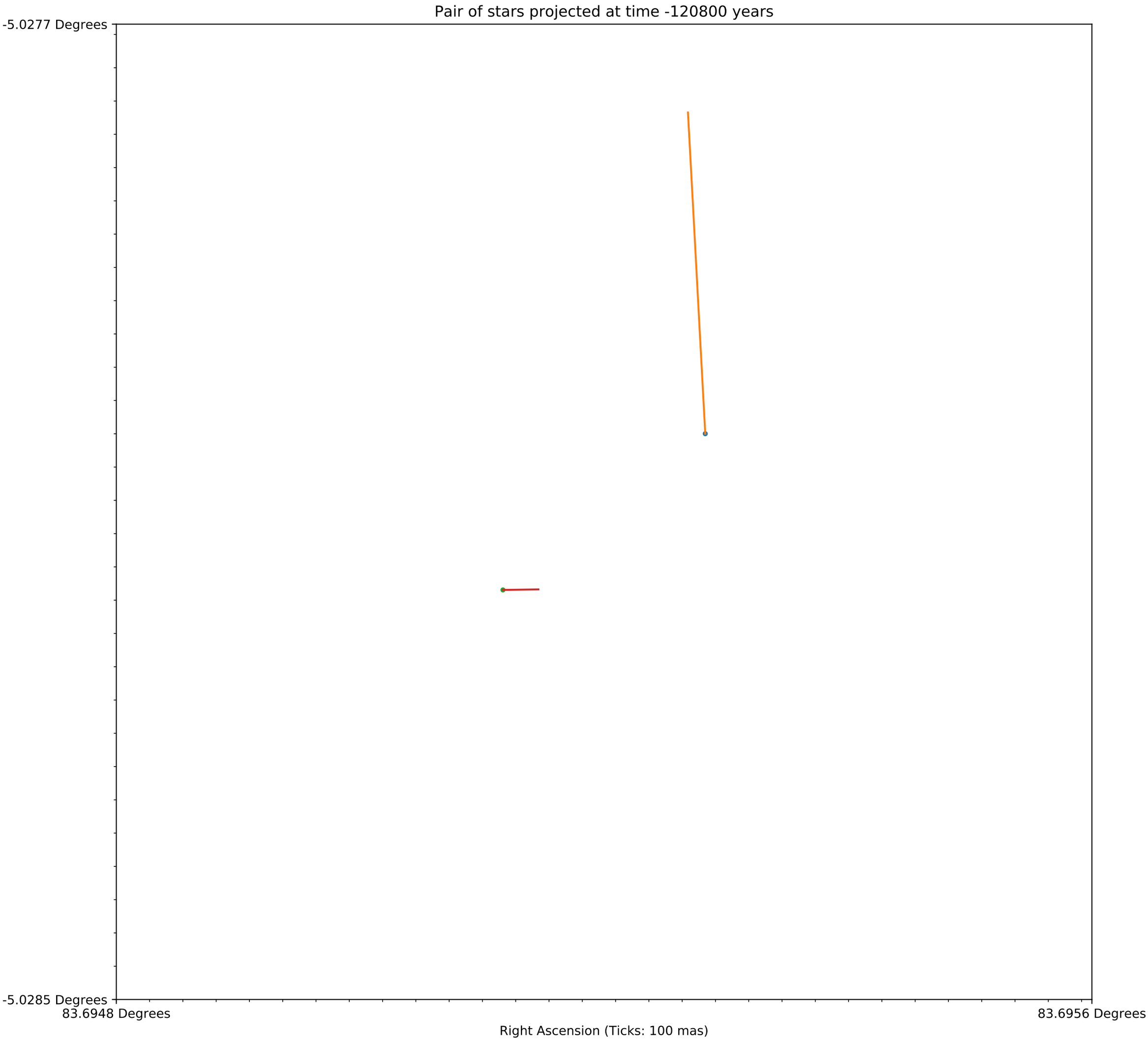

Pair of stars projected at time -110900 years
-4.4867 Degrees
Declination (Ticks: 100 mas)
-4.4878 Degrees
82.1327 Degrees
82.1339 Degrees
Right Ascension (Ticks: 100 mas)

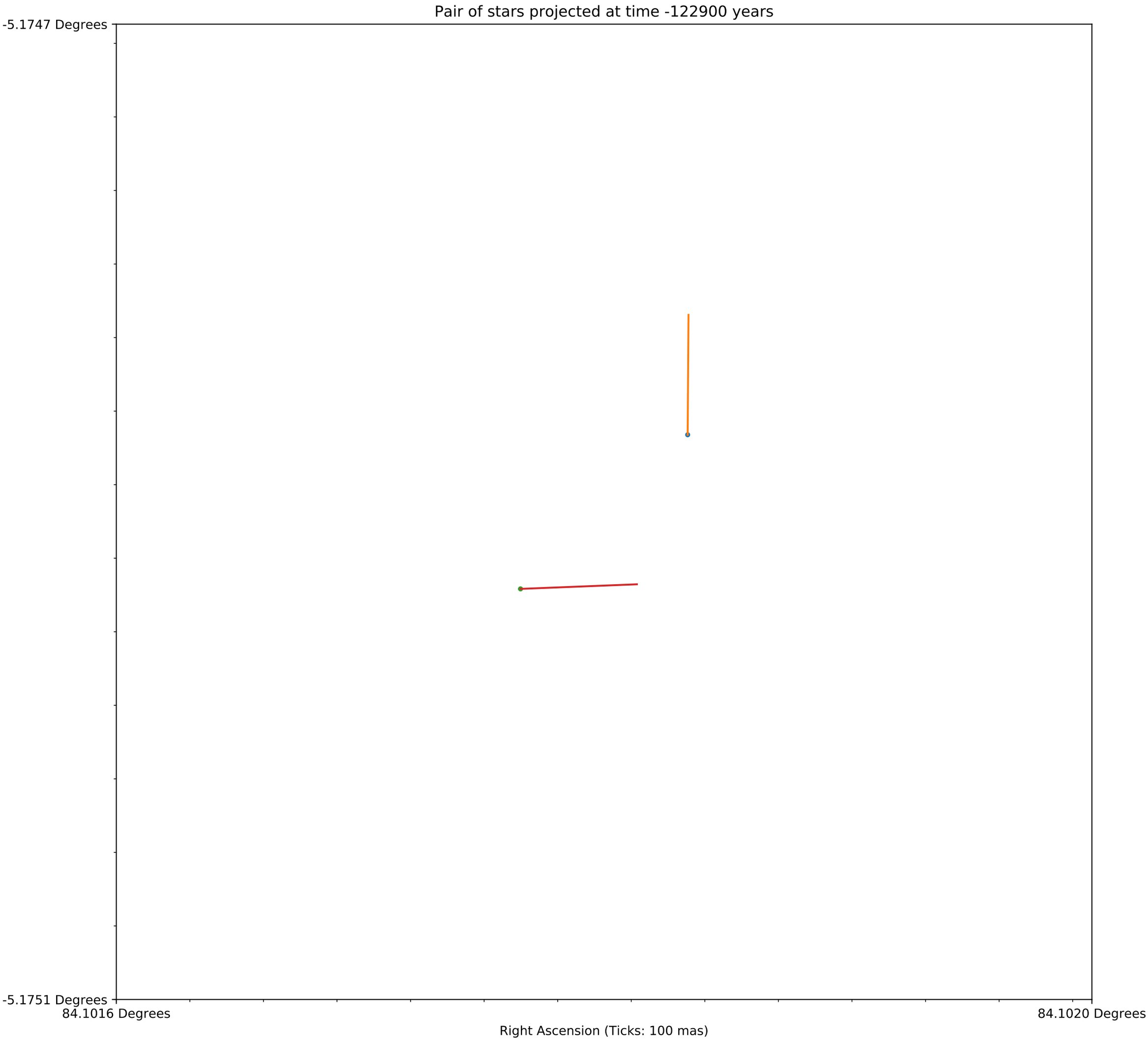

Pair of stars projected at time -115300 years
-4.8186 Degrees
Declination (Ticks: 100 mas)
-4.8217 Degrees
82.9598 Degrees
82.9629 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -117500 years
-4.6481 Degrees
Declination (Ticks: 100 mas)
-4.6488 Degrees
83.4176 Degrees
83.4183 Degrees
Right Ascension (Ticks: 100 mas)

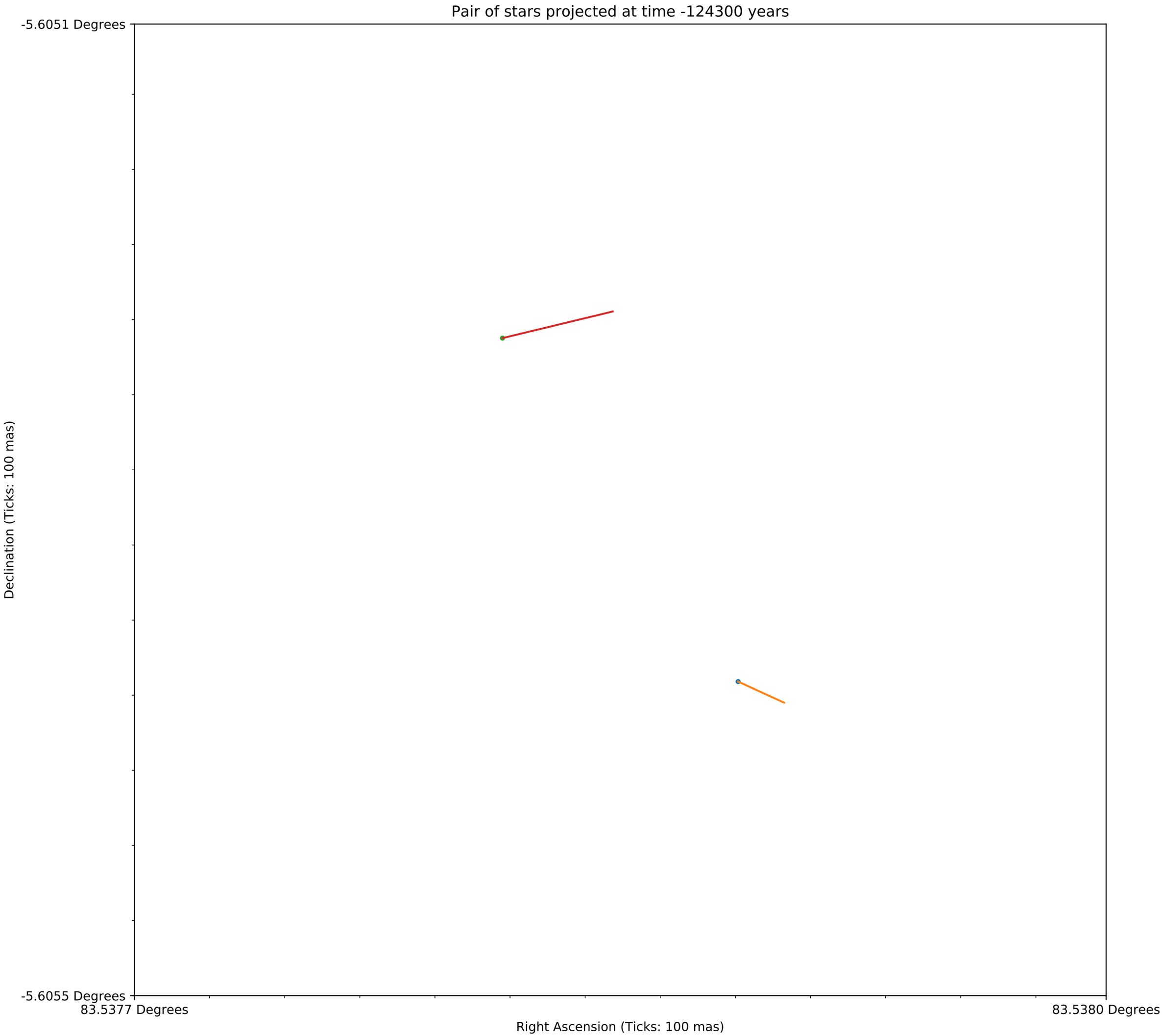

Pair of stars projected at time -117700 years
-4.7952 Degrees
Declination (Ticks: 100 mas)
-4.7956 Degrees
83.7155 Degrees
83.7159 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -118600 years
-4.0610 Degrees
Declination (Ticks: 100 mas)
-4.0627 Degrees
83.6408 Degrees
83.6424 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -120800 years
-5.0277 Degrees
-5.0285 Degrees
83.6948 Degrees
83.6956 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

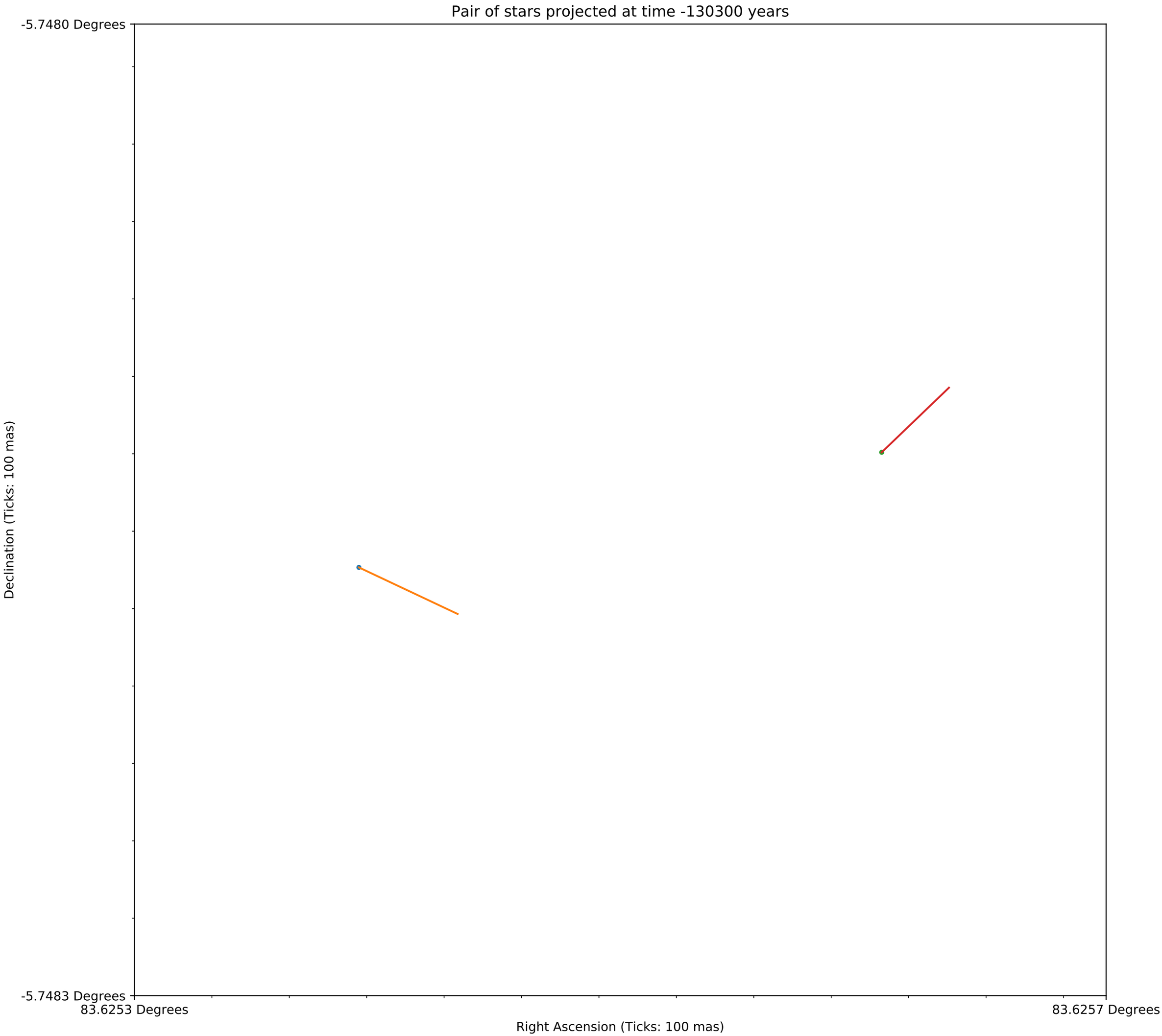

Pair of stars projected at time -122900 years
-5.1747 Degrees
-5.1751 Degrees
84.1016 Degrees
84.1020 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

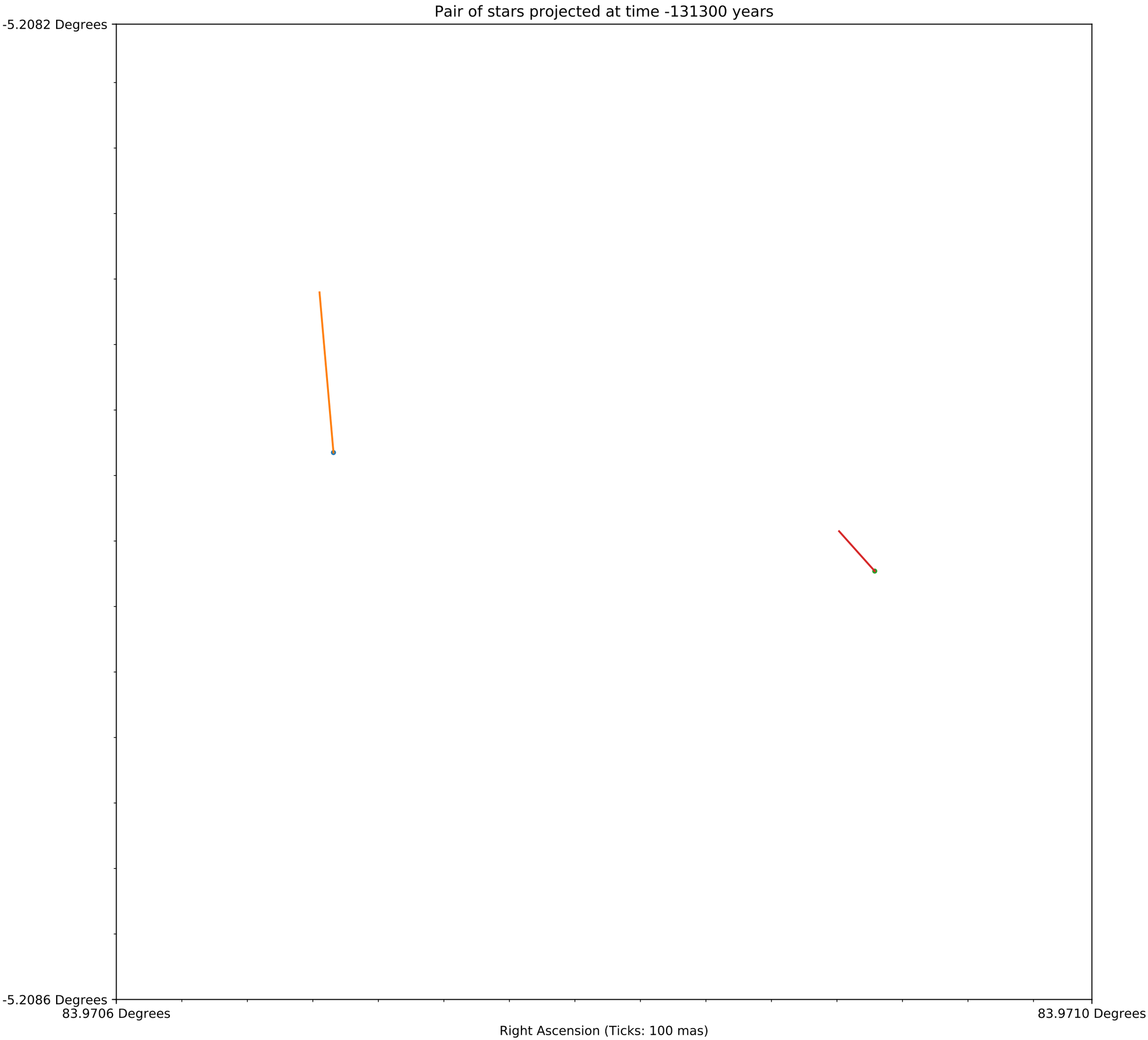
Pair of stars projected at time -123900 years
-6.0409 Degrees
Declination (Ticks: 100 mas)
-6.0424 Degrees
83.1242 Degrees
83.1257 Degrees
Right Ascension (Ticks: 100 mas)

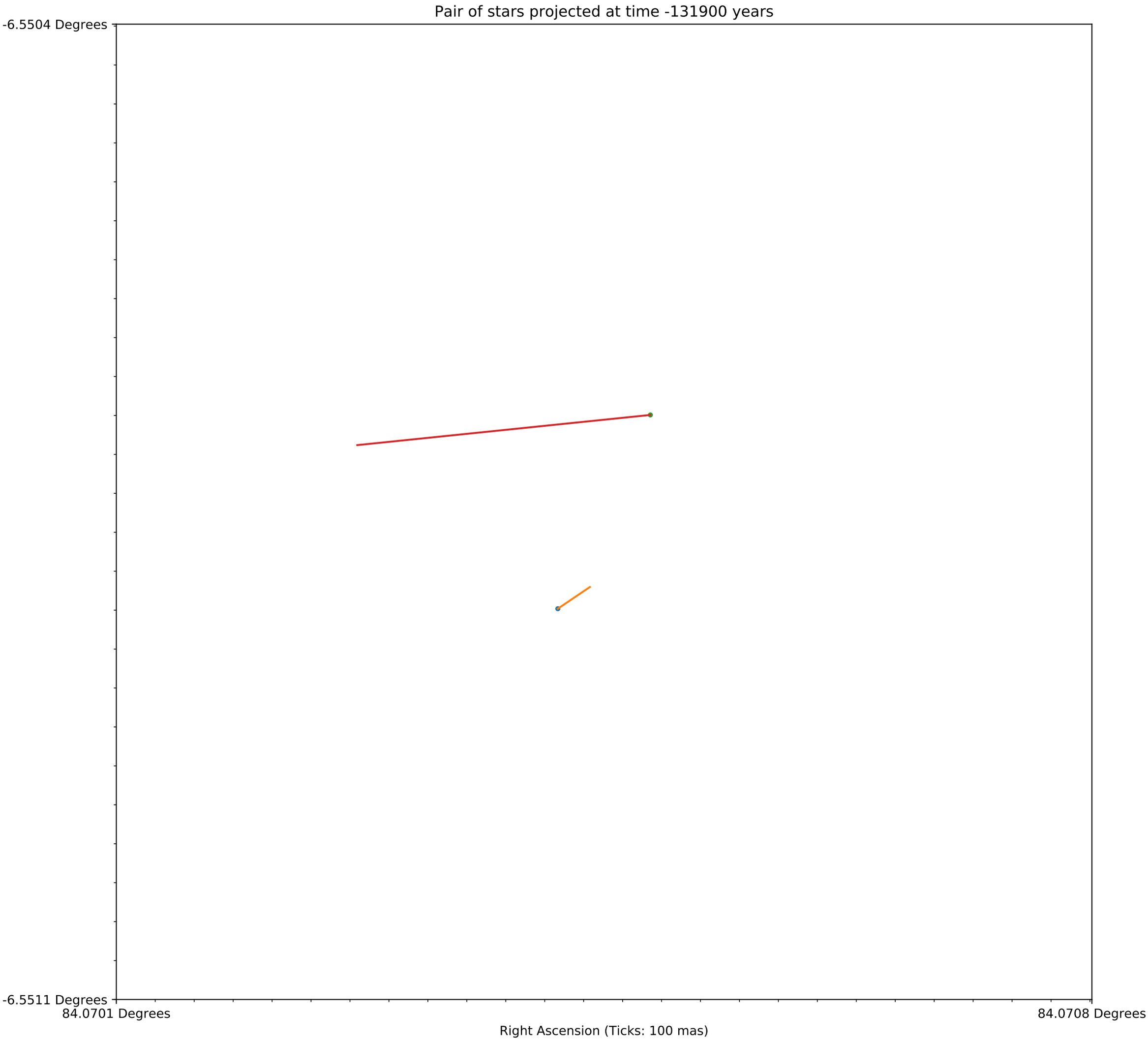

Pair of stars projected at time -124300 years
-5.6051 Degrees
Declination (Ticks: 100 mas)
-5.6055 Degrees
83.5377 Degrees
83.5380 Degrees
Right Ascension (Ticks: 100 mas)

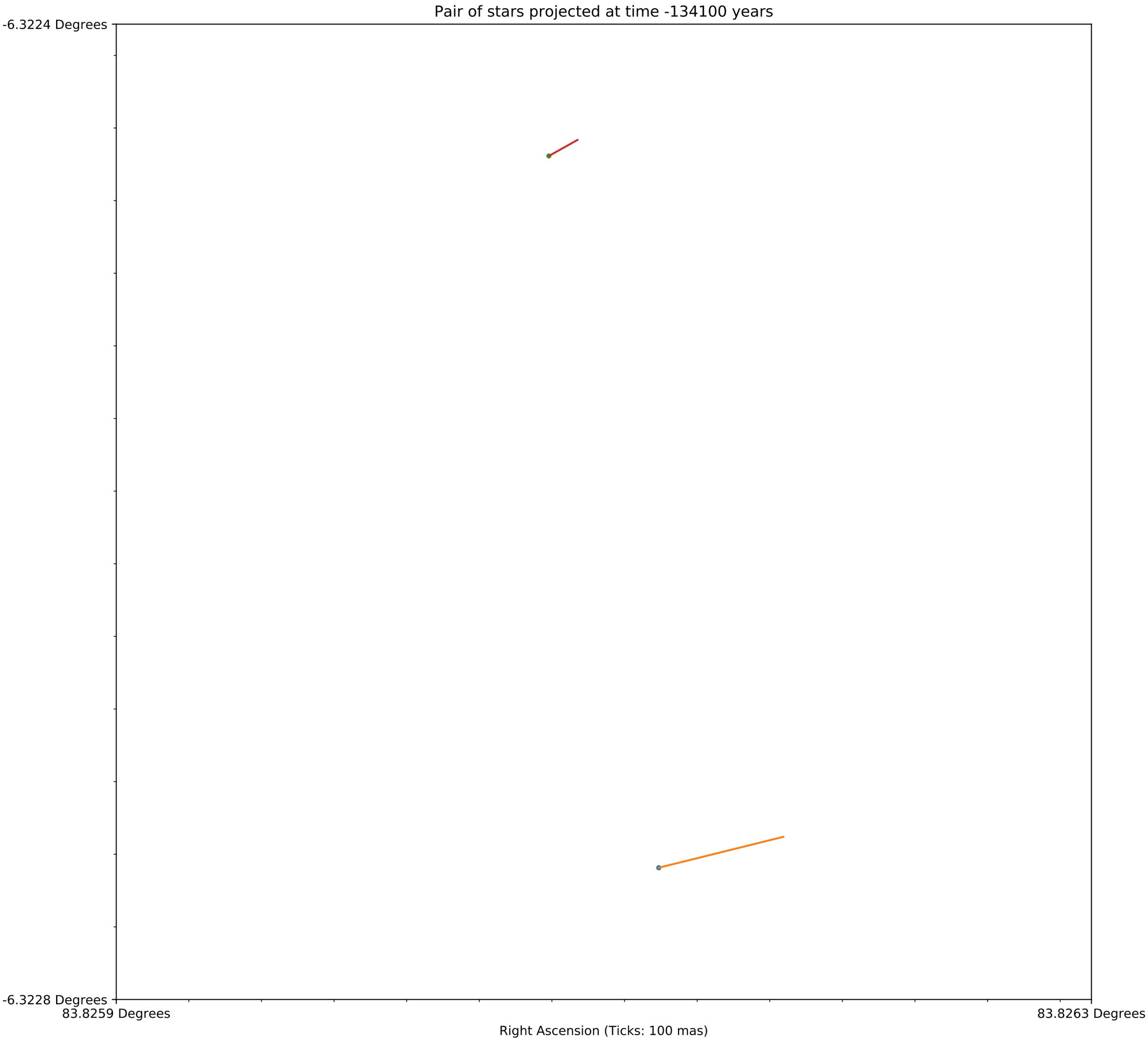
Pair of stars projected at time -125700 years
-5.1752 Degrees
Declination (Ticks: 100 mas)
-5.1763 Degrees
83.9358 Degrees
83.9369 Degrees
Right Ascension (Ticks: 100 mas)

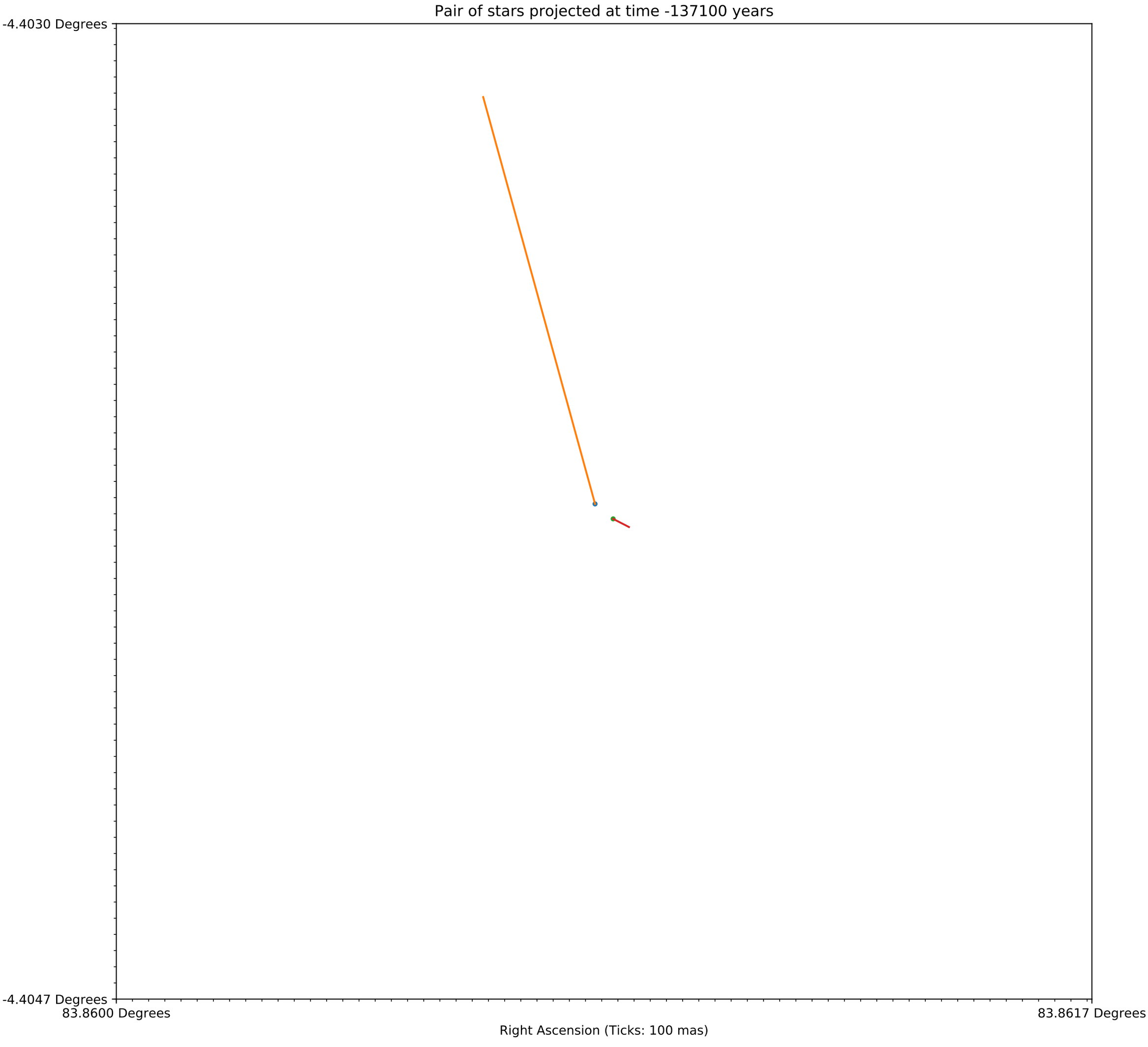
Pair of stars projected at time -128300 years
-3.9300 Degrees
Declination (Ticks: 100 mas)
-3.9304 Degrees
83.3475 Degrees
83.3480 Degrees
Right Ascension (Ticks: 100 mas)

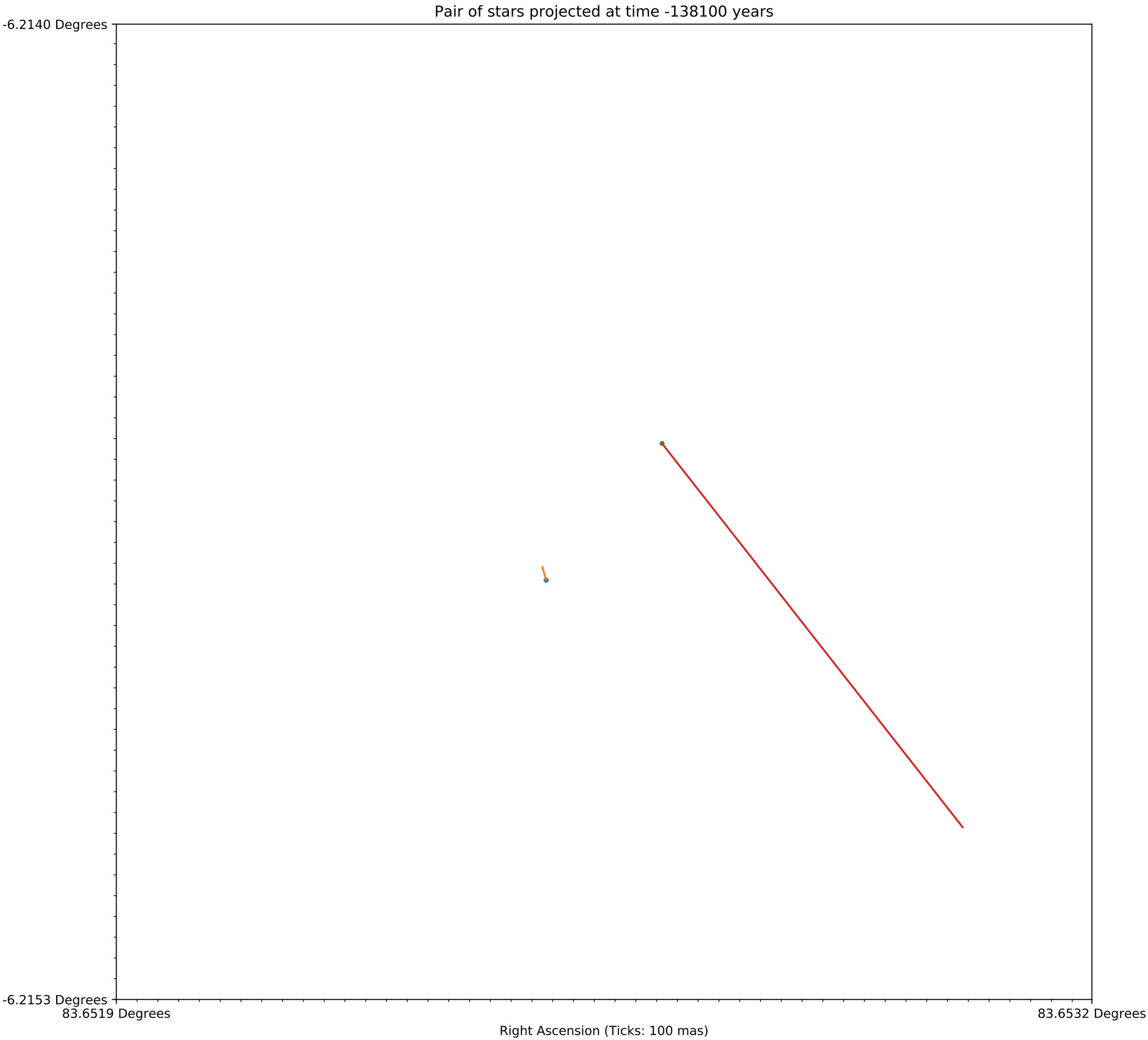

Pair of stars projected at time -130300 years
-5.7480 Degrees
-5.7483 Degrees
83.6253 Degrees
83.6257 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

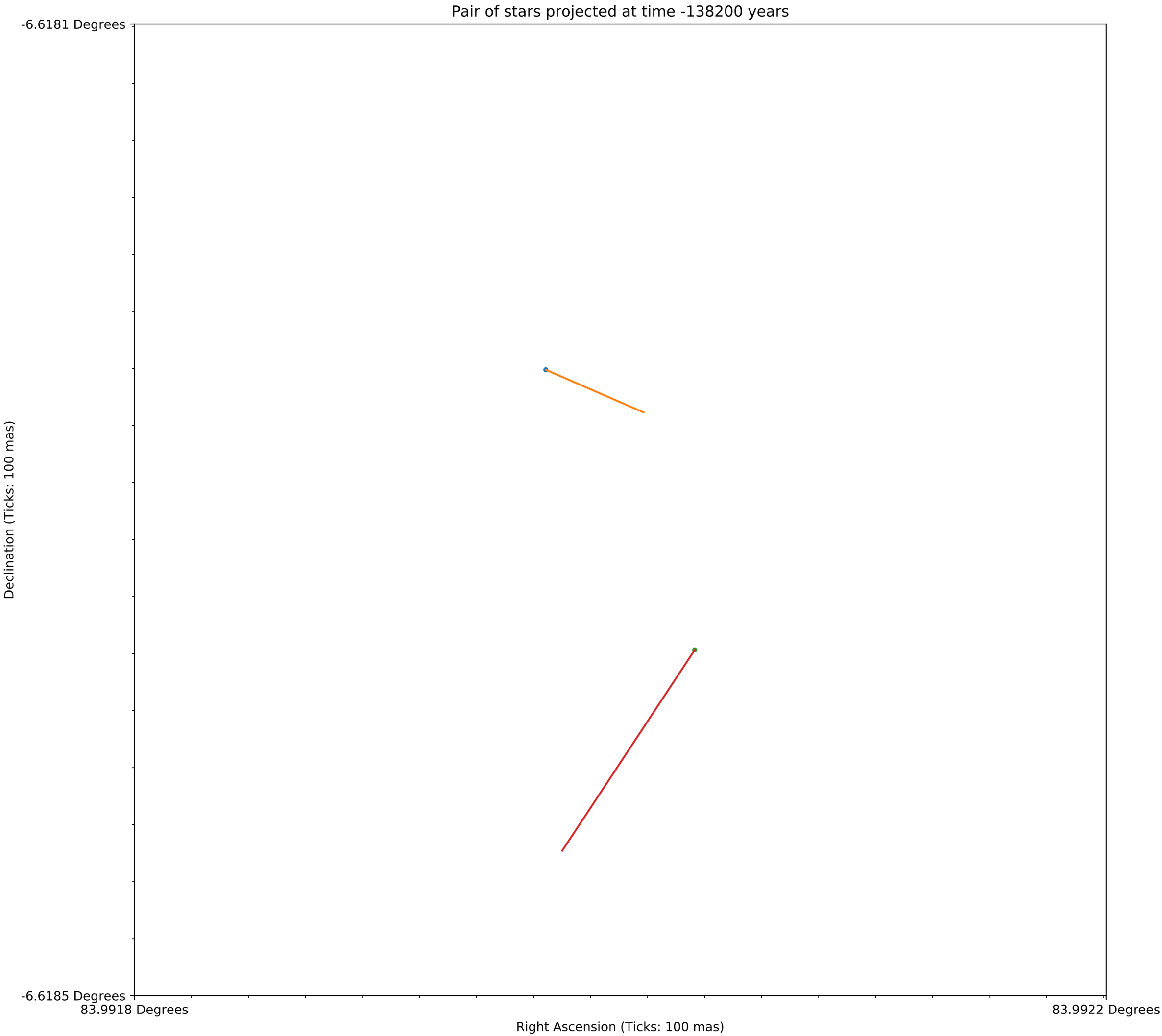

Pair of stars projected at time -131300 years
-5.2082 Degrees
-5.2086 Degrees
83.9706 Degrees
83.9710 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

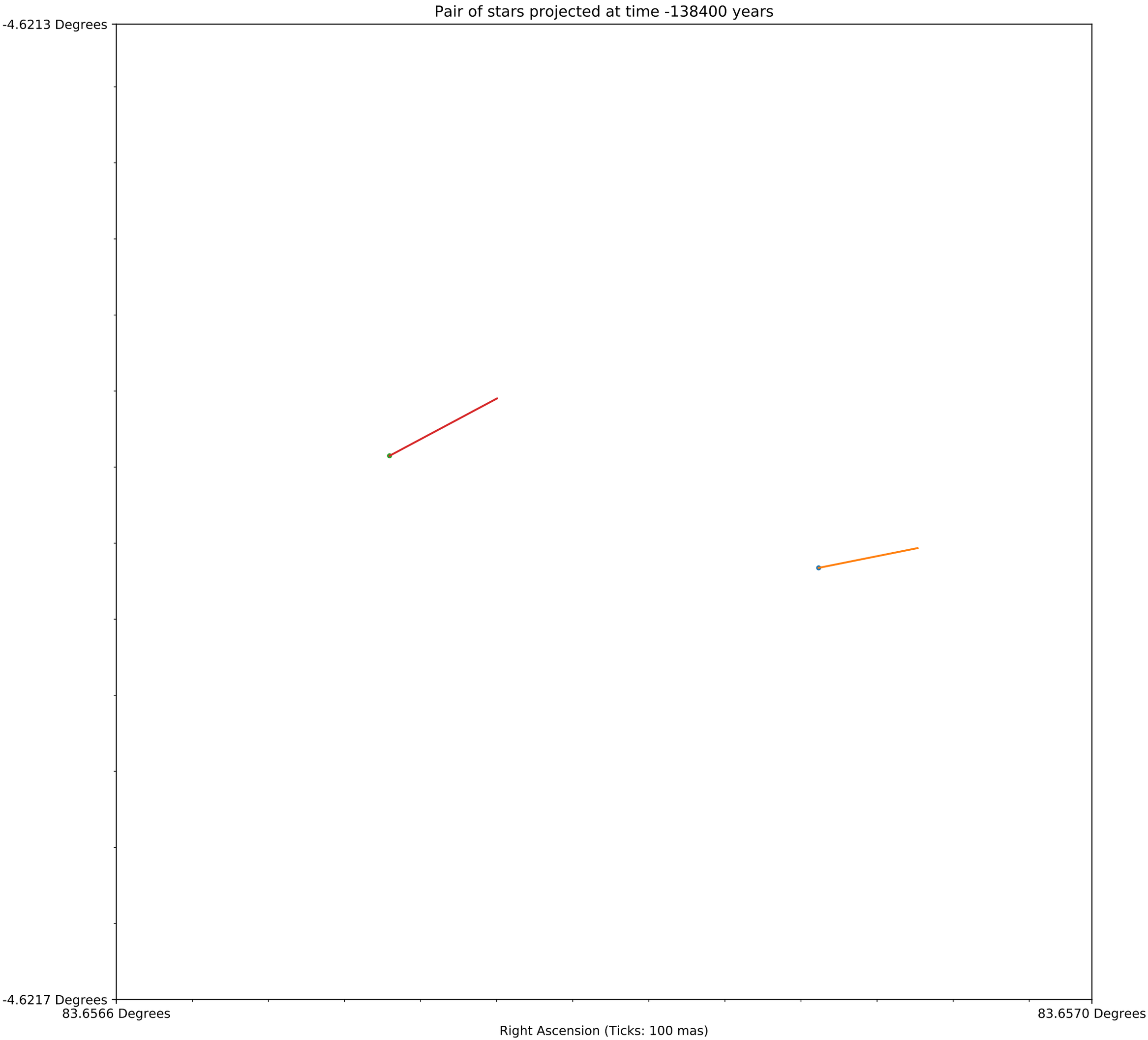

Pair of stars projected at time -131900 years
-6.5504 Degrees
Declination (Ticks: 100 mas)
-6.5511 Degrees
84.0701 Degrees
84.0708 Degrees
Right Ascension (Ticks: 100 mas)

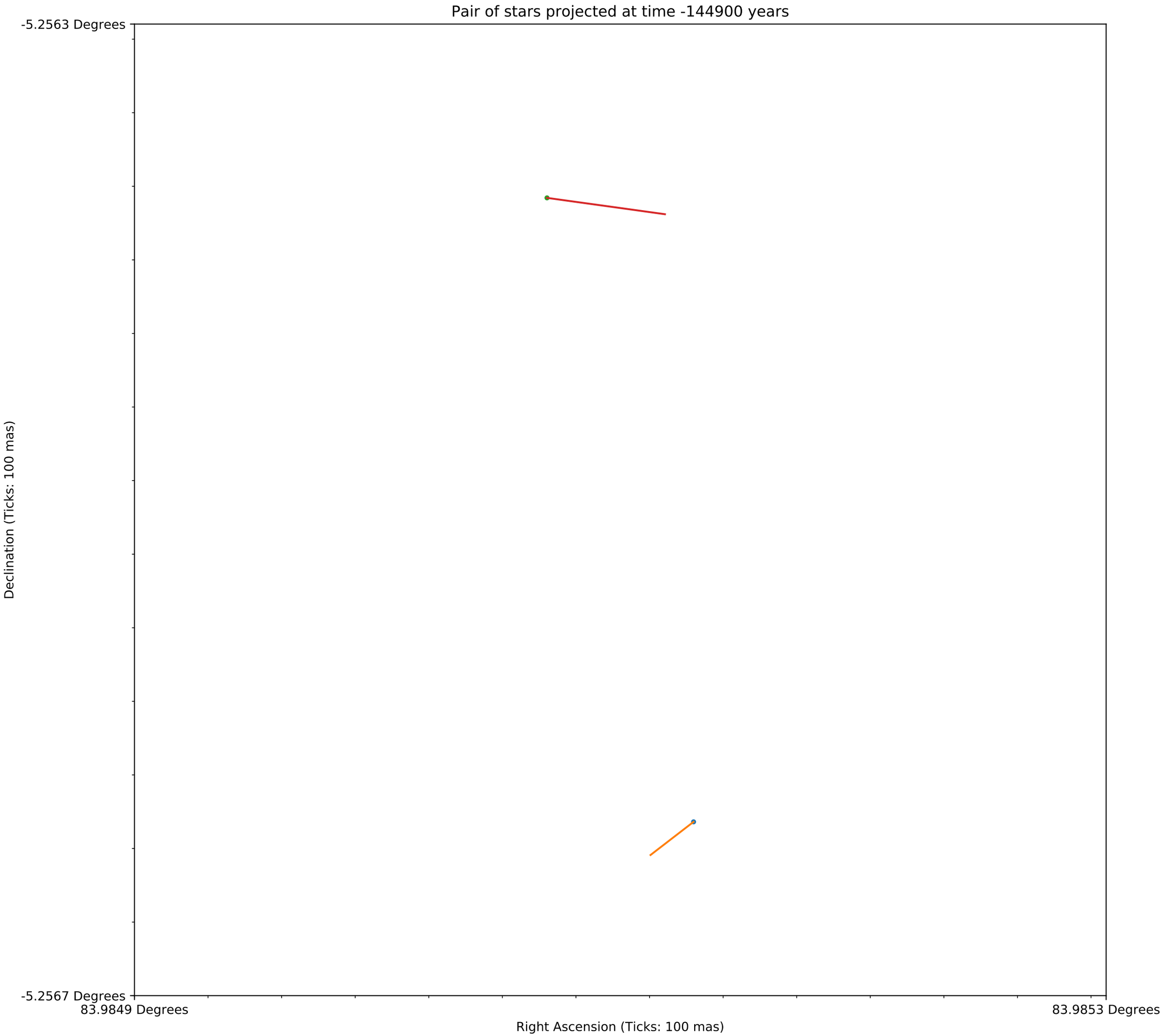

Pair of stars projected at time -134100 years
-6.3224 Degrees
Declination (Ticks: 100 mas)
-6.3228 Degrees
83.8259 Degrees
83.8263 Degrees
Right Ascension (Ticks: 100 mas)

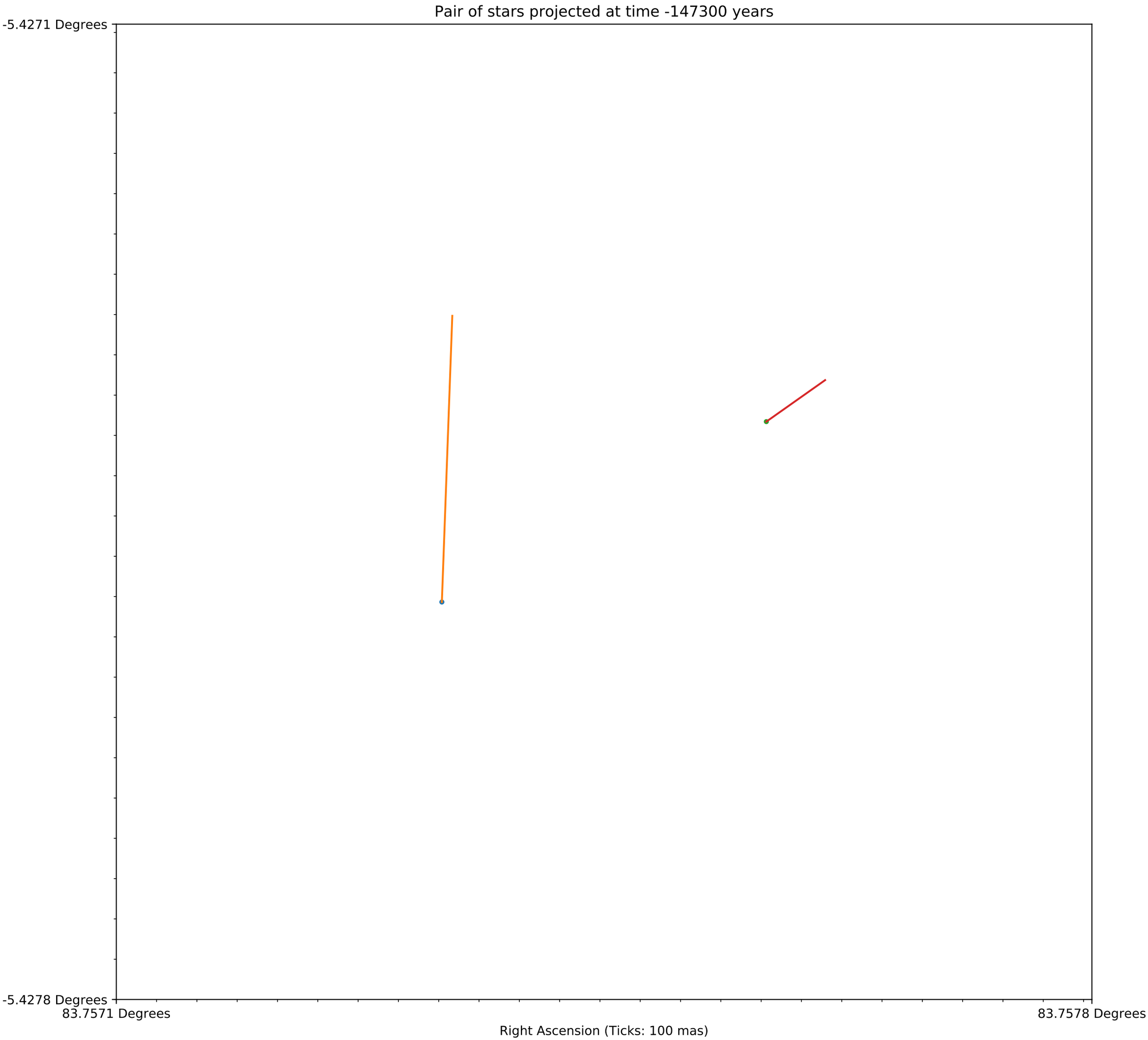

Pair of stars projected at time -137100 years
-4.4030 Degrees
Declination (Ticks: 100 mas)
-4.4047 Degrees
83.8600 Degrees
83.8617 Degrees
Right Ascension (Ticks: 100 mas)

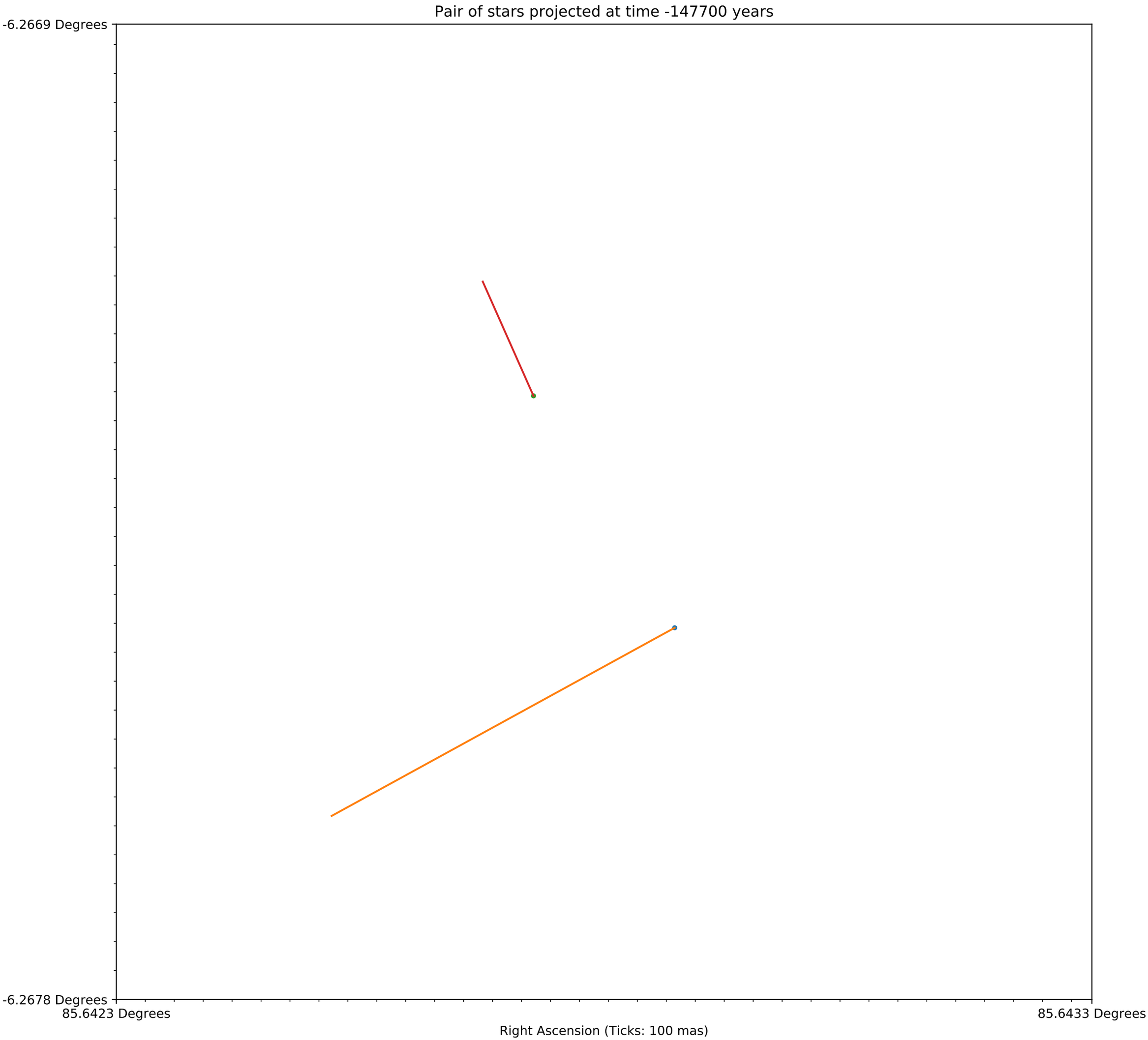

Pair of stars projected at time -138100 years
-6.2140 Degrees
-6.2153 Degrees
83.6519 Degrees
83.6532 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

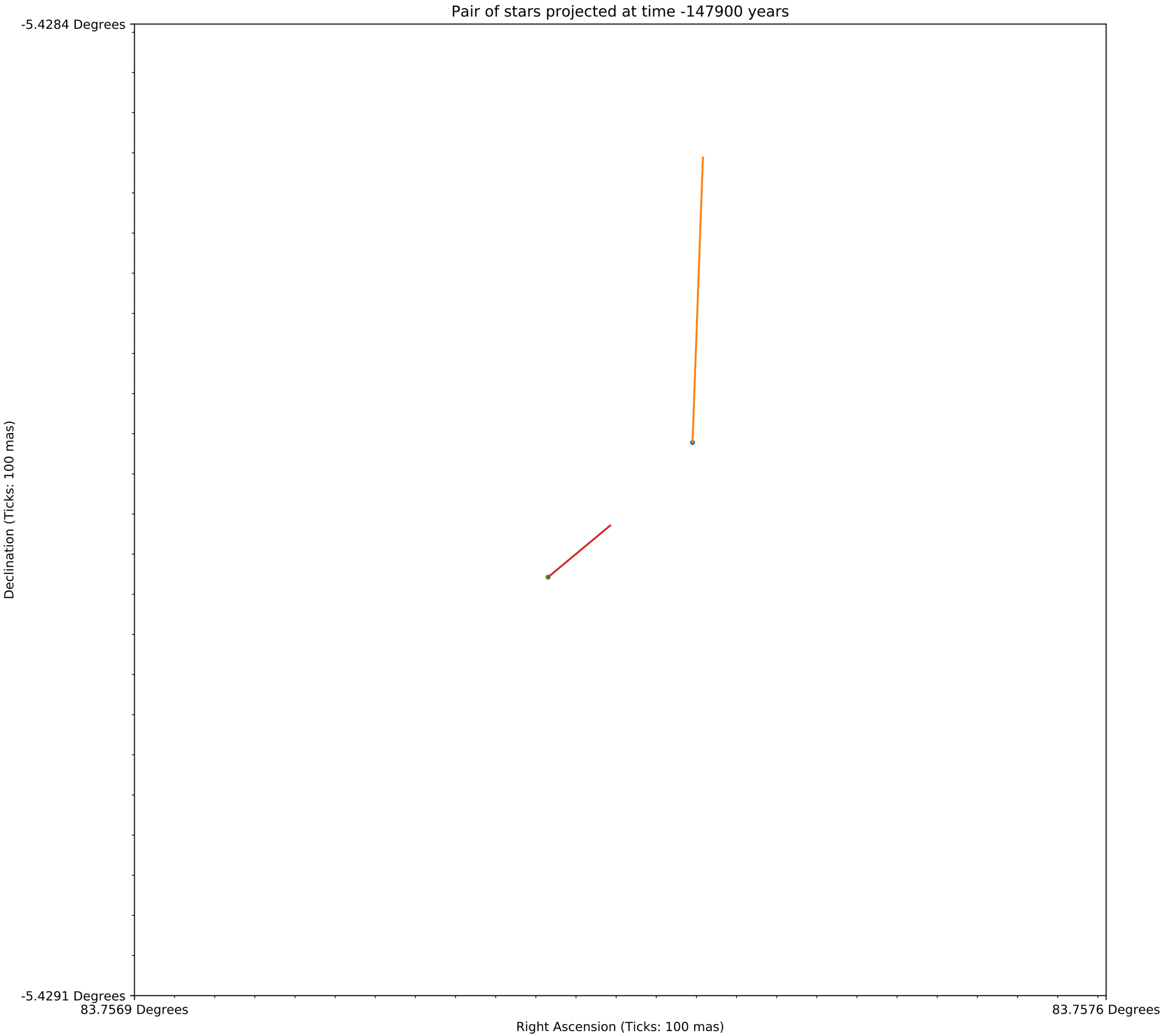

Pair of stars projected at time -138200 years
-6.6181 Degrees
Declination (Ticks: 100 mas)
-6.6185 Degrees
83.9918 Degrees
83.9922 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -138400 years
-4.6213 Degrees
-4.6217 Degrees
83.6566 Degrees
83.6570 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

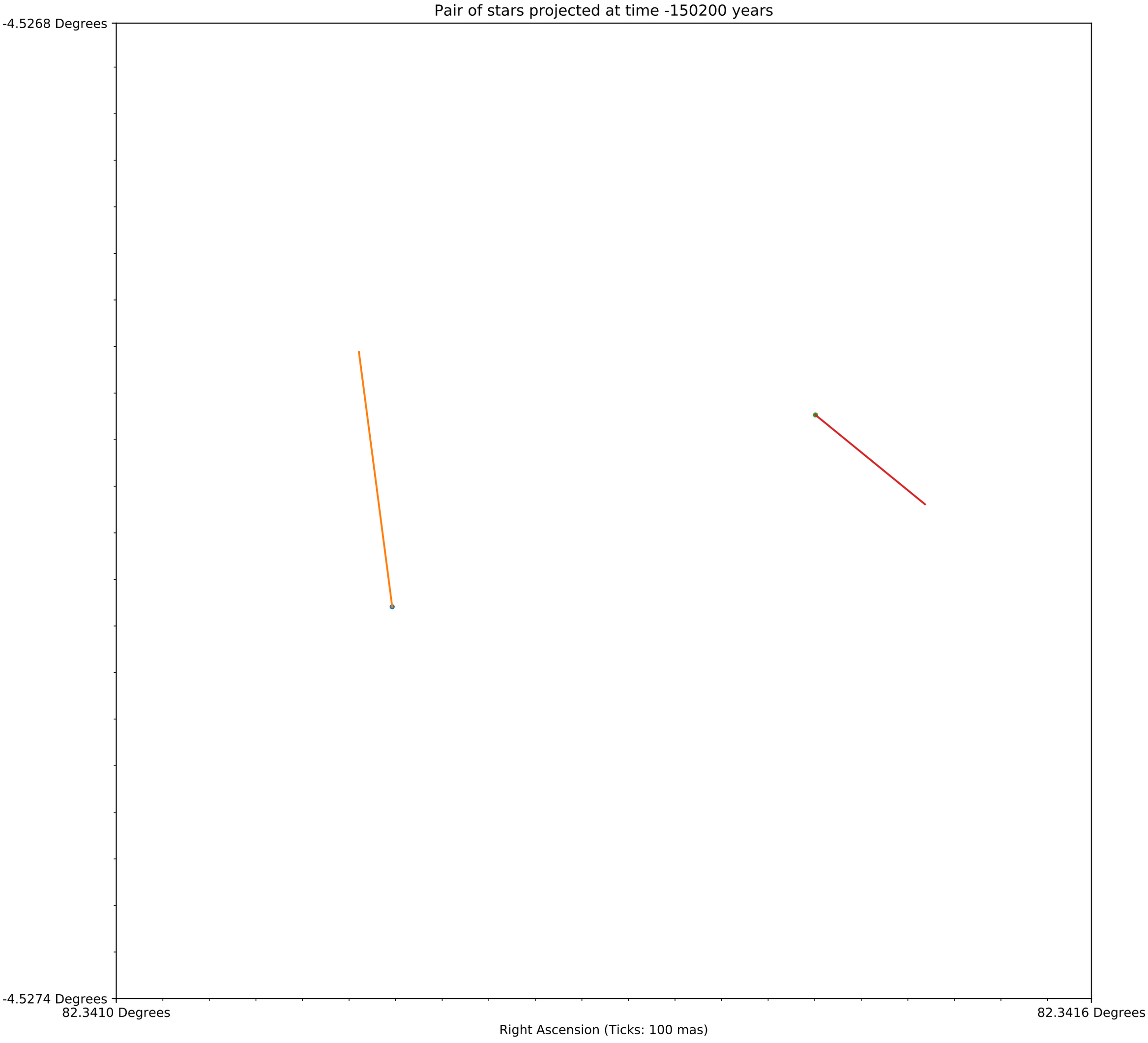

Pair of stars projected at time -144900 years
-5.2563 Degrees
-5.2567 Degrees
83.9849 Degrees
83.9853 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

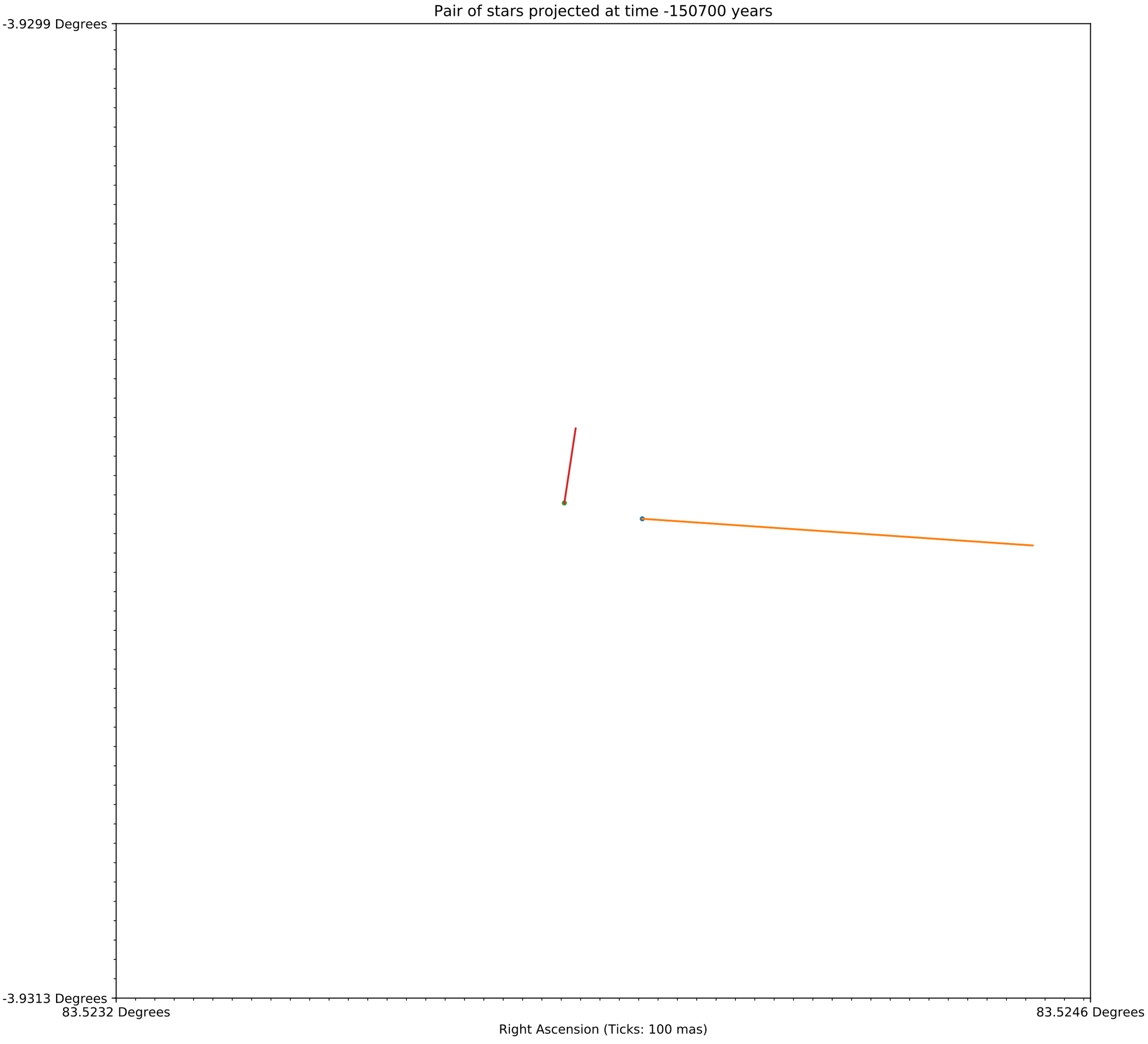

Pair of stars projected at time -147300 years
-5.4271 Degrees
Declination (Ticks: 100 mas)
-5.4278 Degrees
83.7571 Degrees
83.7578 Degrees
Right Ascension (Ticks: 100 mas)

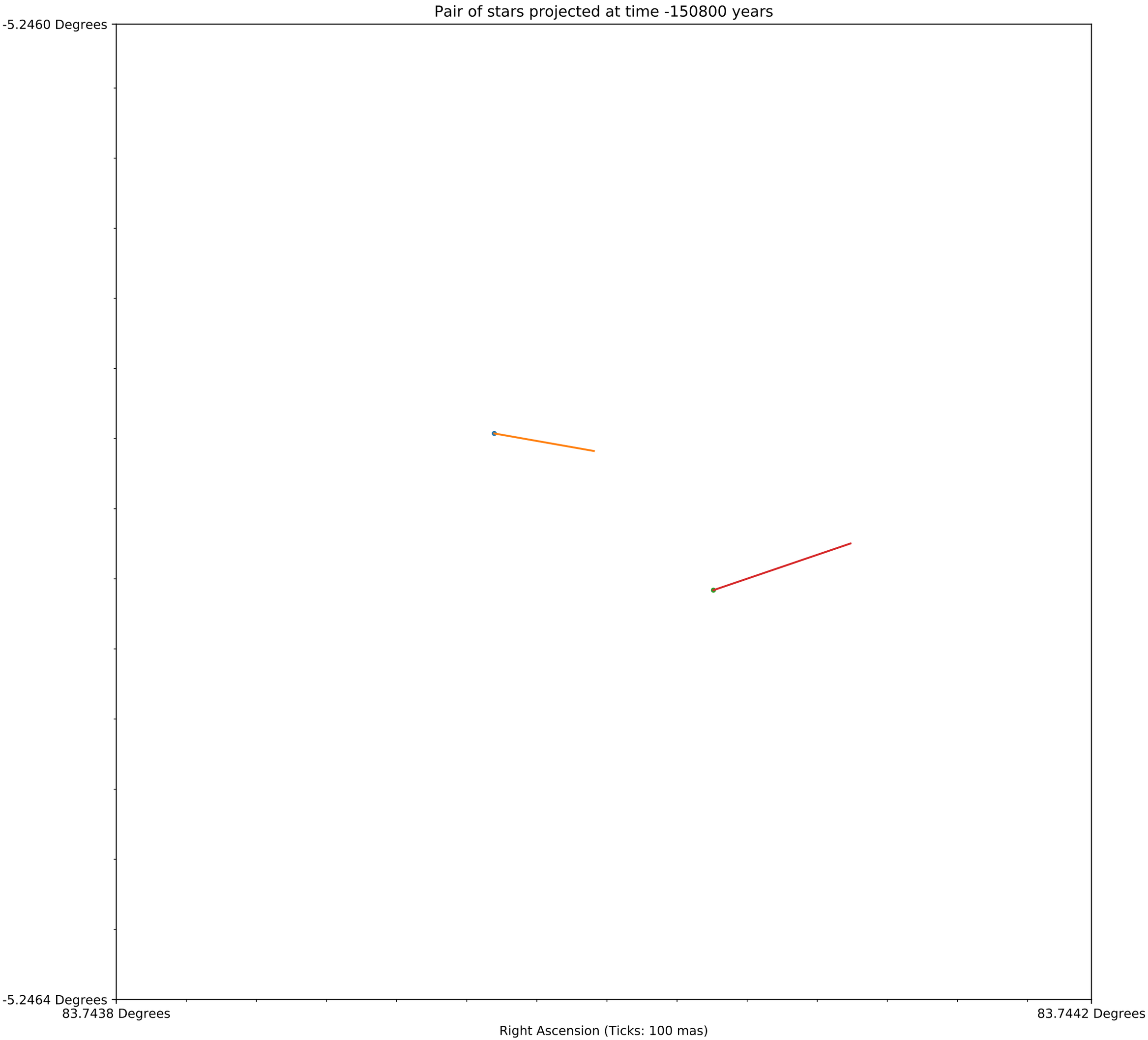

Pair of stars projected at time -147700 years
-6.2669 Degrees
Declination (Ticks: 100 mas)
-6.2678 Degrees
85.6423 Degrees
85.6433 Degrees
Right Ascension (Ticks: 100 mas)

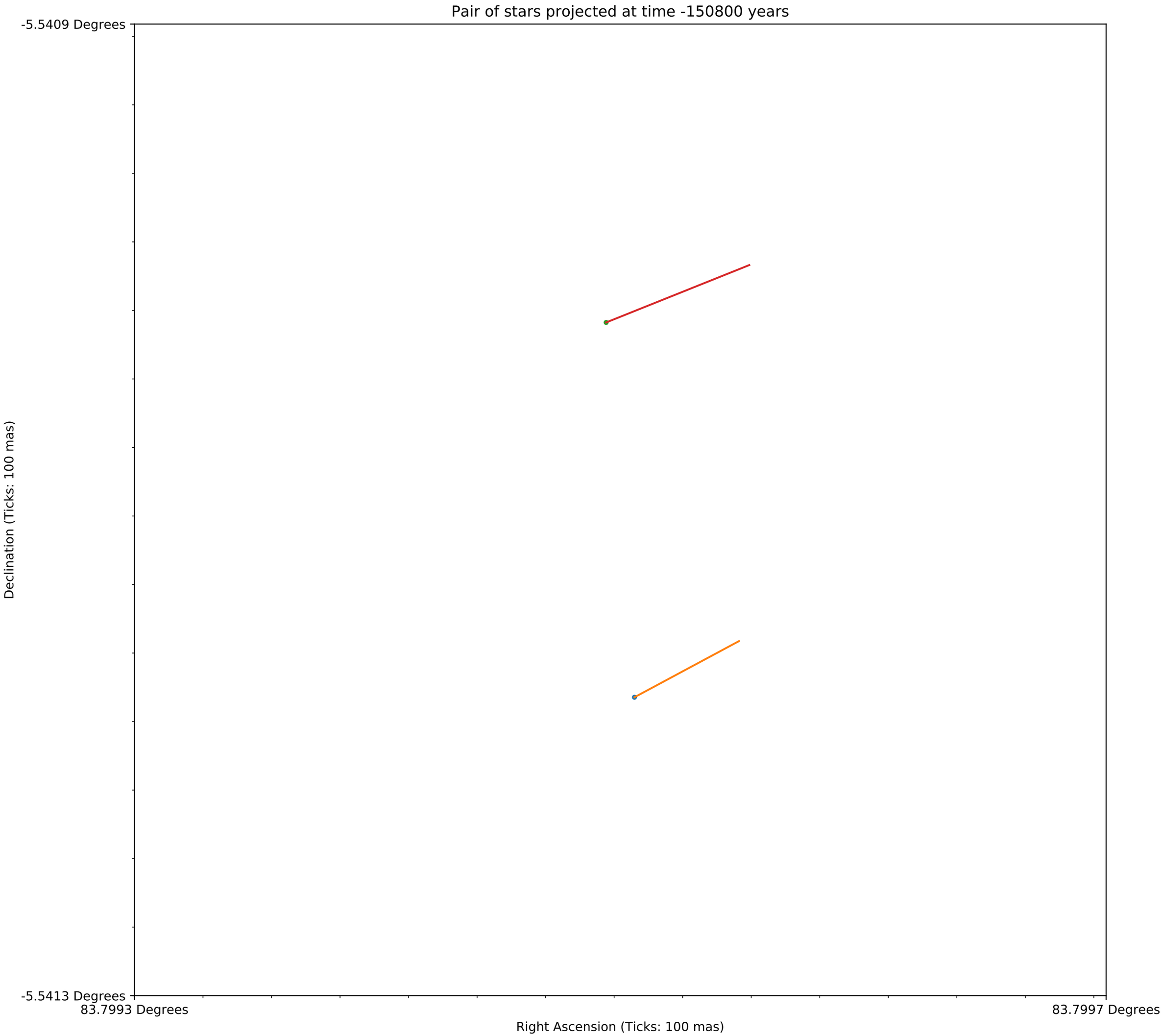

Pair of stars projected at time -147900 years
-5.4284 Degrees
-5.4291 Degrees
83.7569 Degrees
83.7576 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

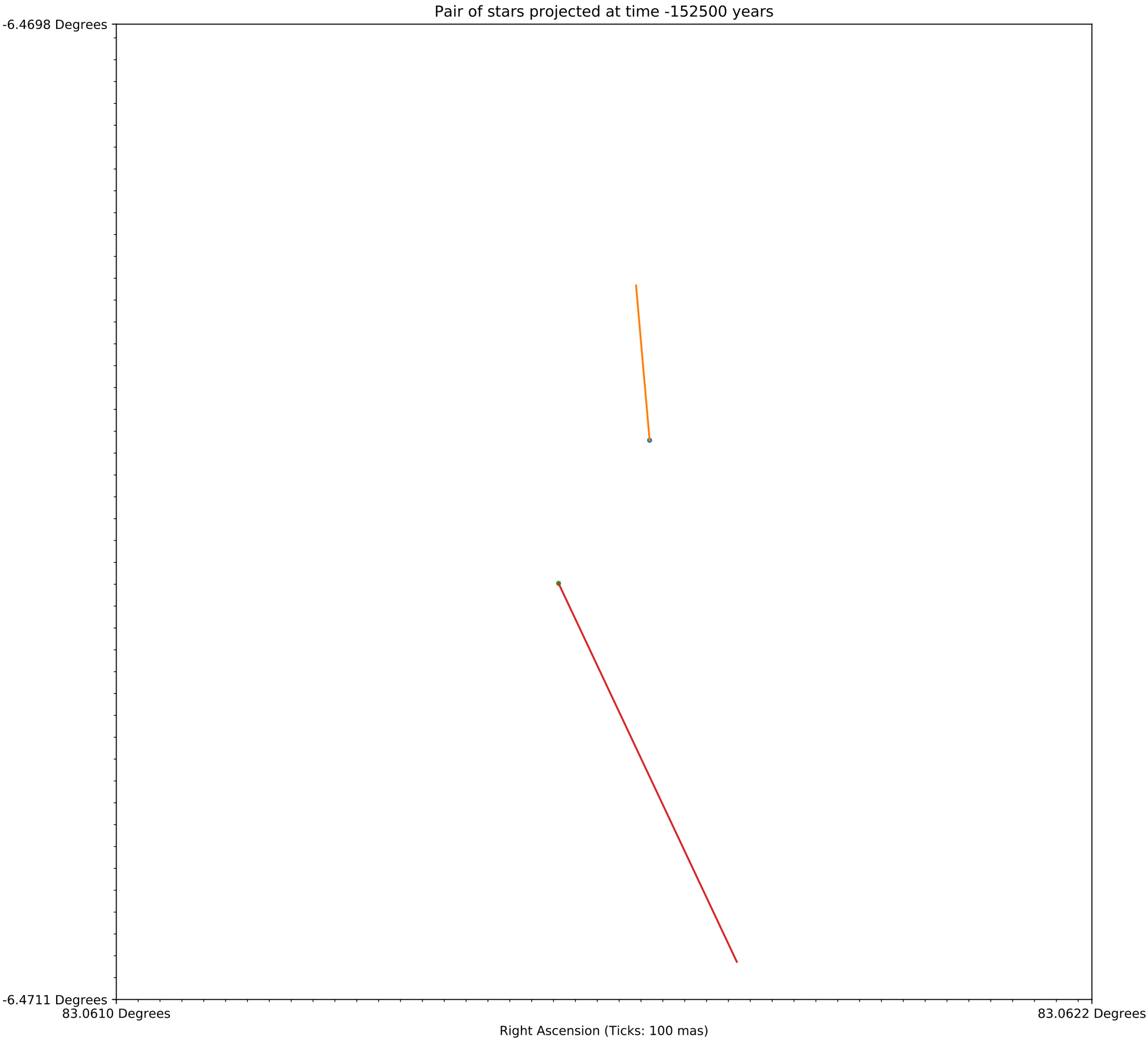
Pair of stars projected at time -149300 years
-6.2650 Degrees
-6.2654 Degrees
84.1323 Degrees
84.1327 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

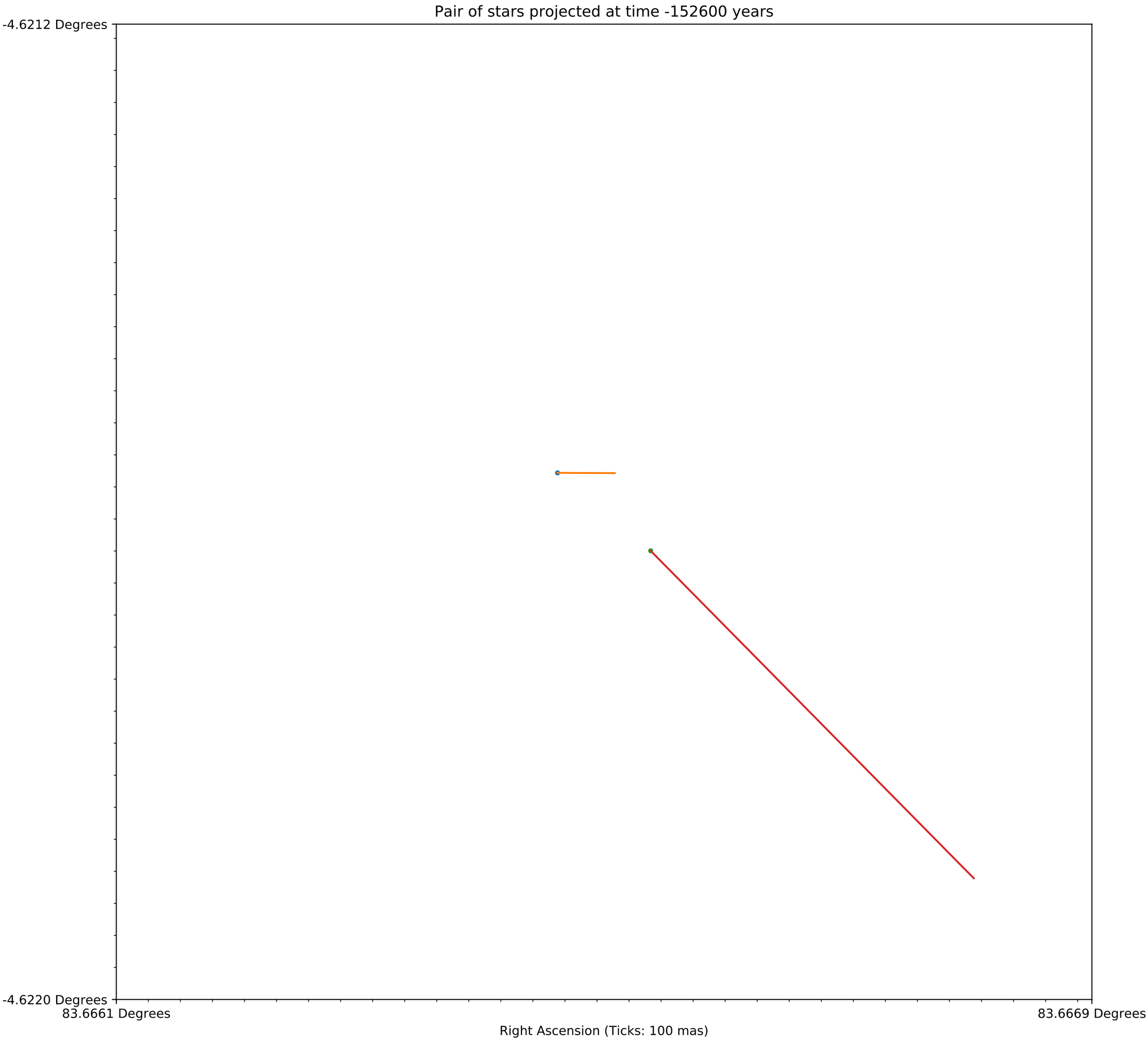

Pair of stars projected at time -150200 years
-4.5268 Degrees
Declination (Ticks: 100 mas)
-4.5274 Degrees
82.3410 Degrees
82.3416 Degrees
Right Ascension (Ticks: 100 mas)

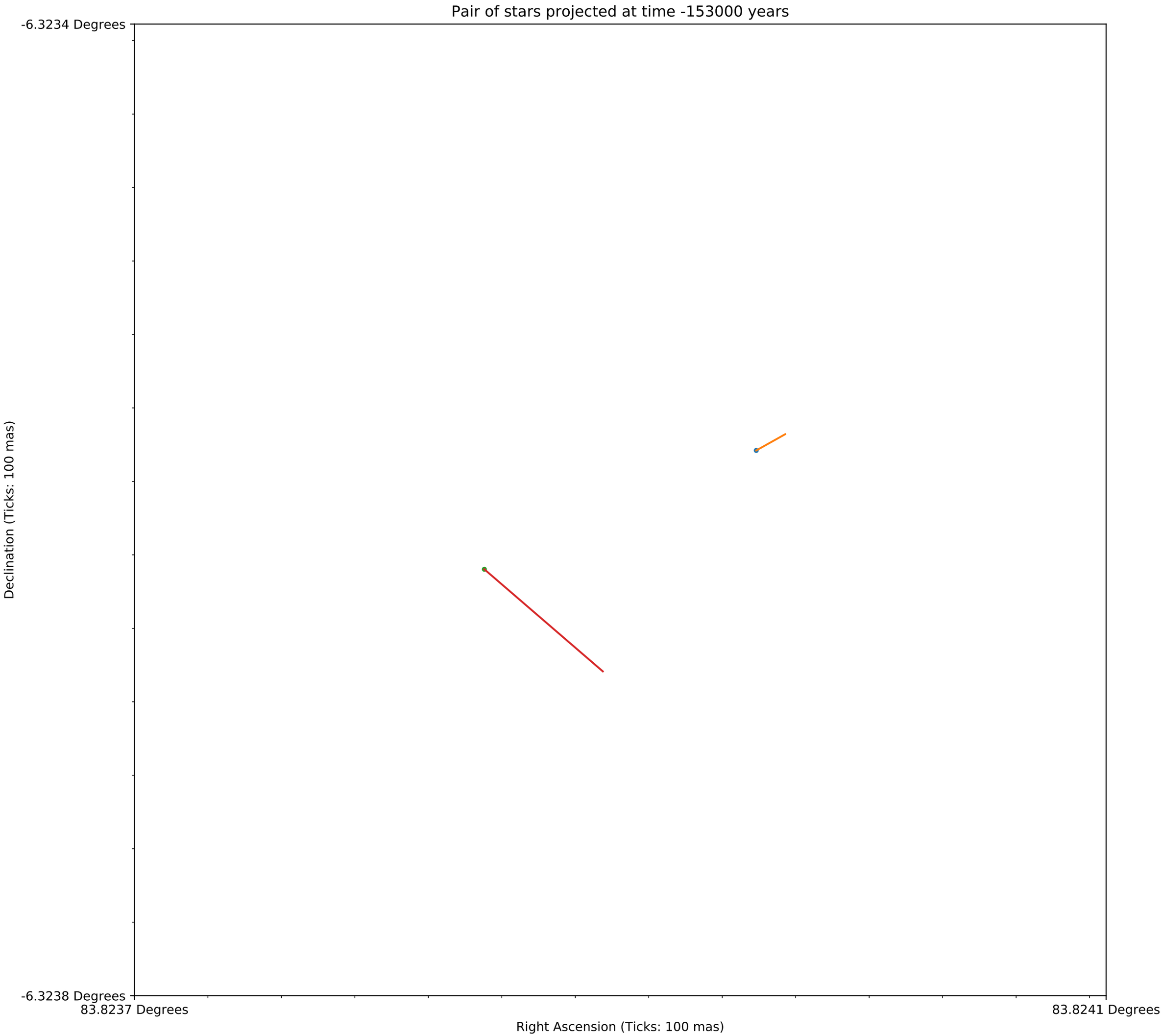

Pair of stars projected at time -150700 years
-3.9299 Degrees
Declination (Ticks: 100 mas)
-3.9313 Degrees
83.5232 Degrees
83.5246 Degrees
Right Ascension (Ticks: 100 mas)

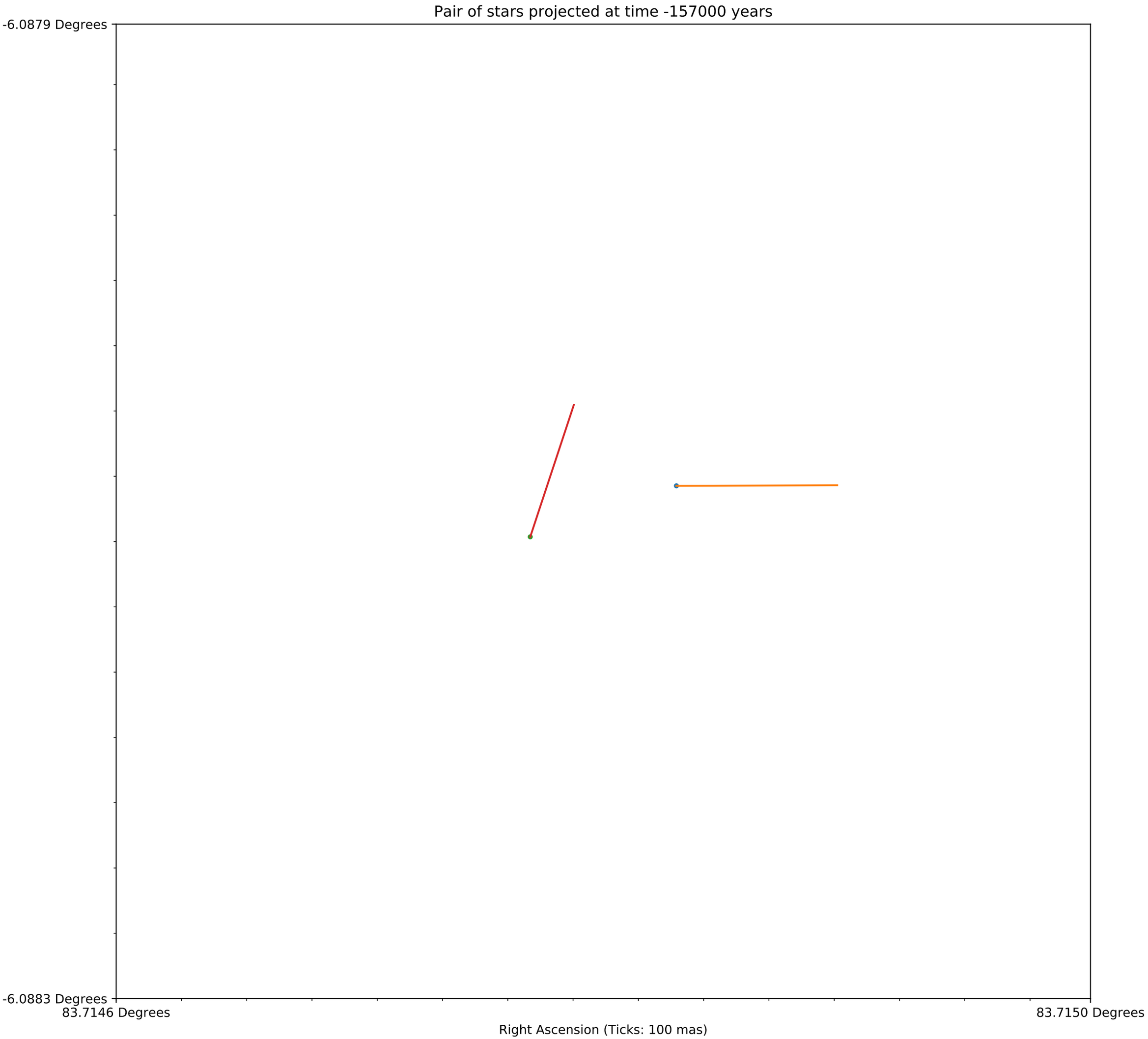

Pair of stars projected at time -150800 years
-5.2460 Degrees
Declination (Ticks: 100 mas)
-5.2464 Degrees
83.7438 Degrees
83.7442 Degrees
Right Ascension (Ticks: 100 mas)

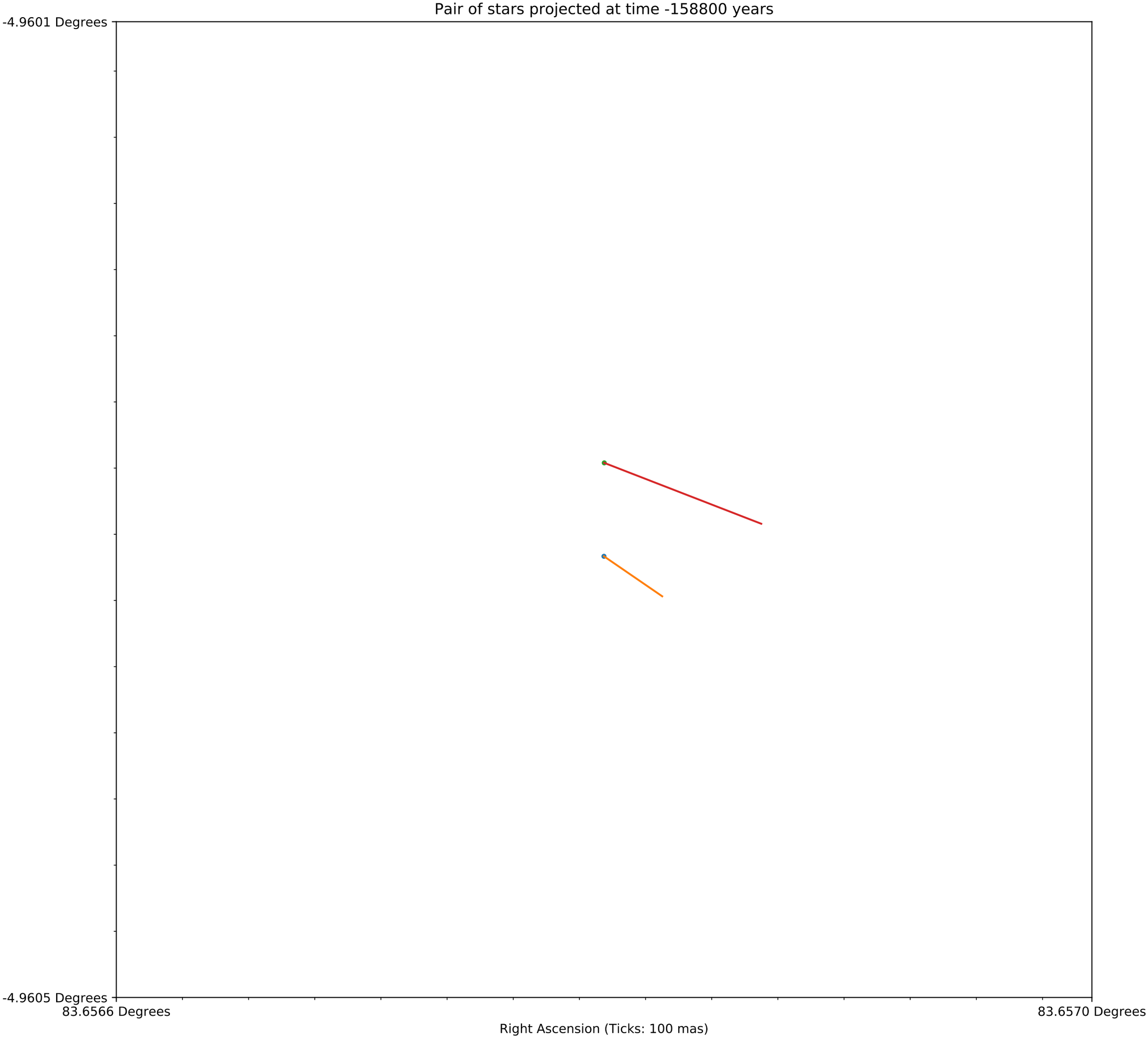

Pair of stars projected at time -150800 years
-5.5409 Degrees
Declination (Ticks: 100 mas)
-5.5413 Degrees
83.7993 Degrees
83.7997 Degrees
Right Ascension (Ticks: 100 mas)

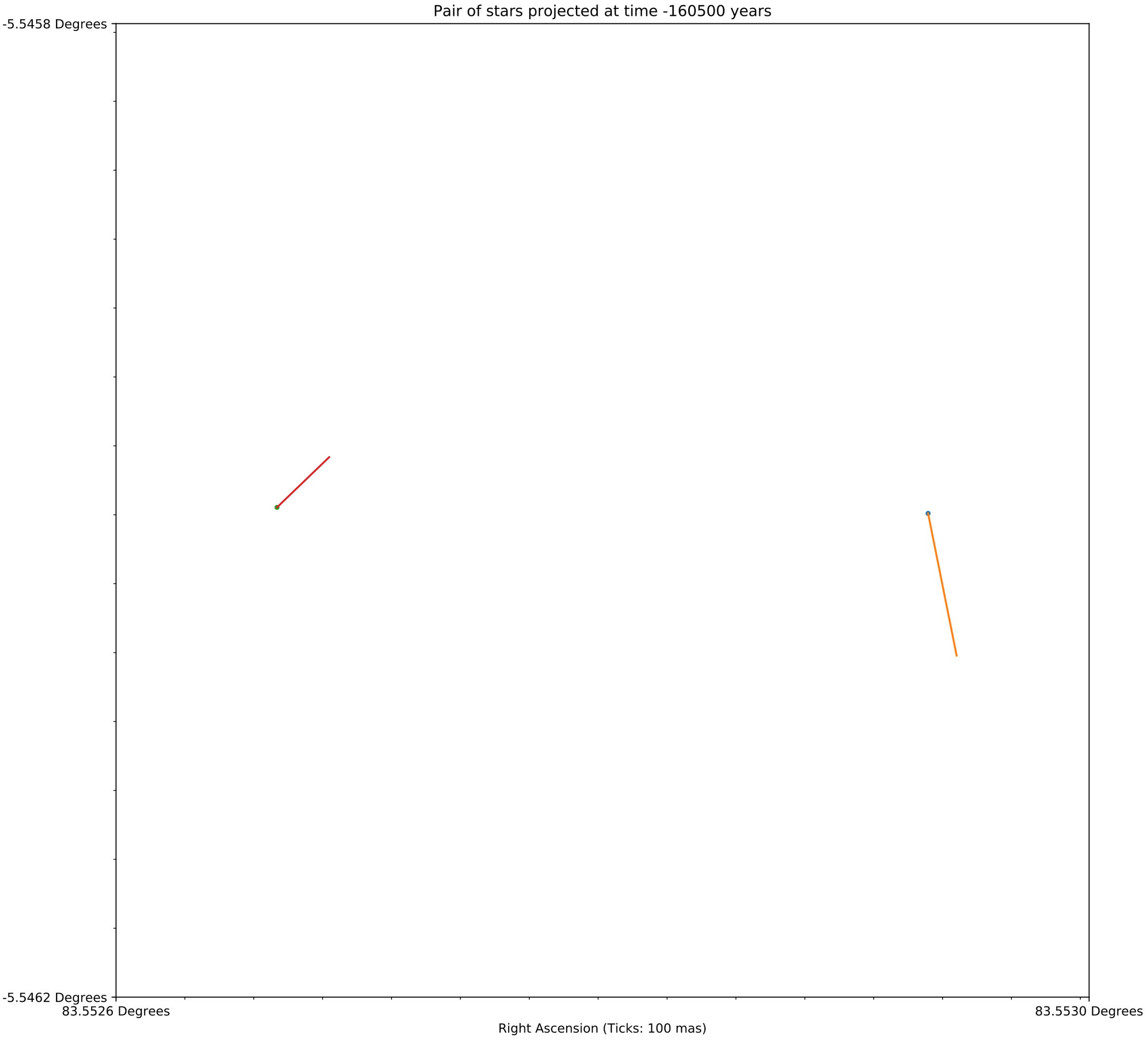

Pair of stars projected at time -152500 years
-6.4698 Degrees
Declination (Ticks: 100 mas)
-6.4711 Degrees
83.0610 Degrees
83.0622 Degrees
Right Ascension (Ticks: 100 mas)

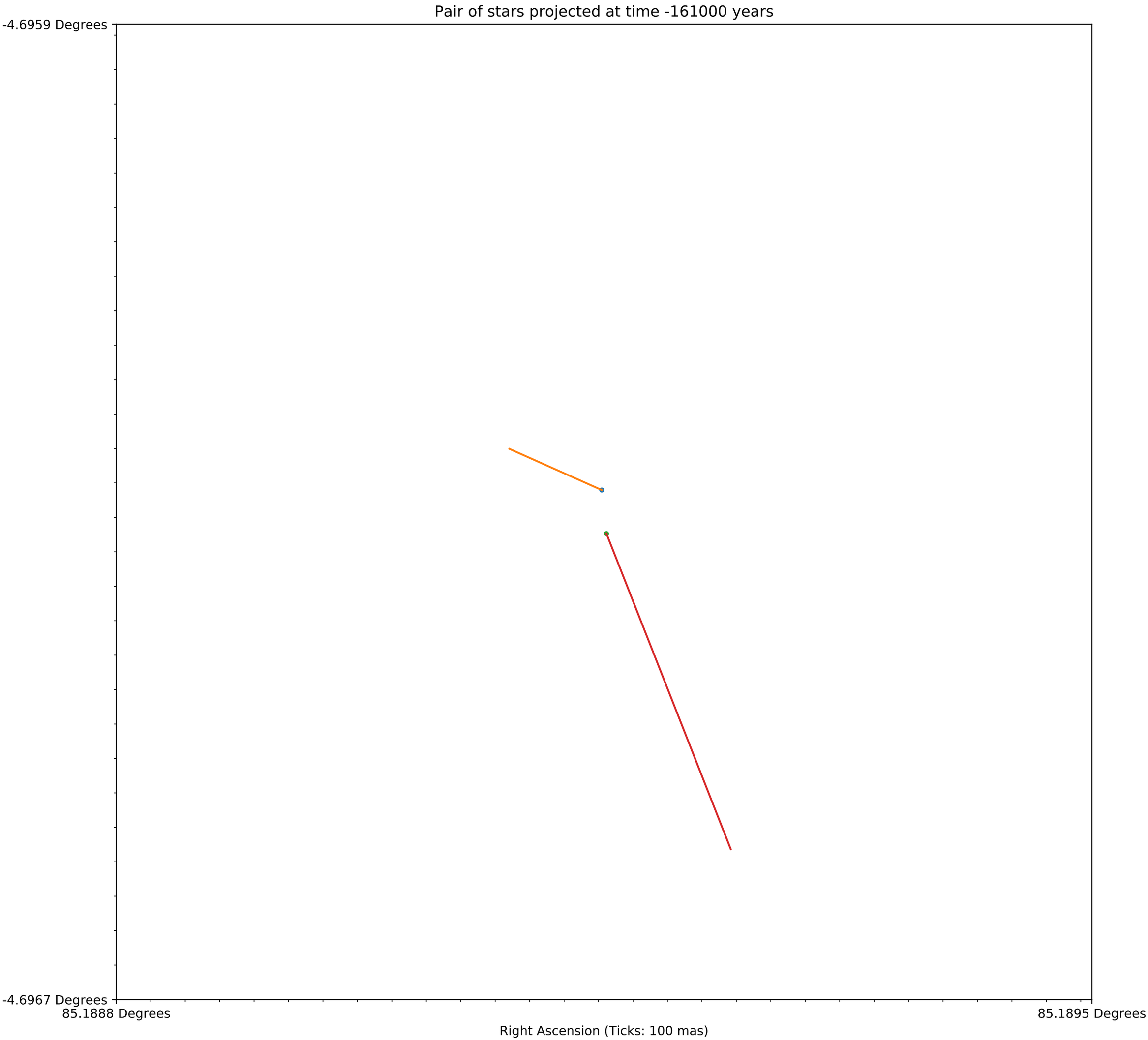

Pair of stars projected at time -152600 years
-4.6212 Degrees
-4.6220 Degrees
83.6661 Degrees
83.6669 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -153000 years
-6.3234 Degrees
Declination (Ticks: 100 mas)
-6.3238 Degrees
83.8237 Degrees
83.8241 Degrees
Right Ascension (Ticks: 100 mas)

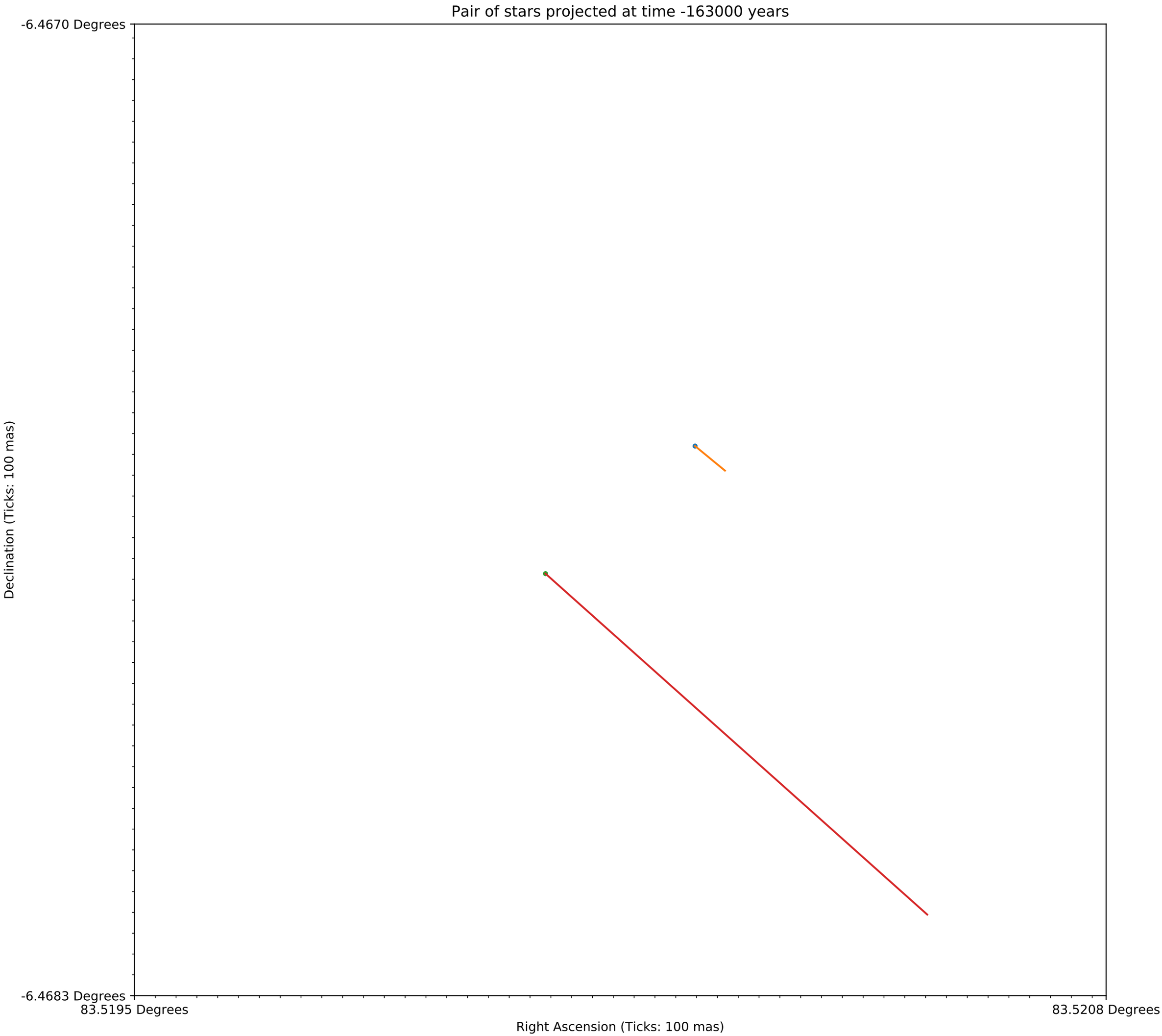

Pair of stars projected at time -157000 years
-6.0879 Degrees
Declination (Ticks: 100 mas)
-6.0883 Degrees
83.7146 Degrees
83.7150 Degrees
Right Ascension (Ticks: 100 mas)

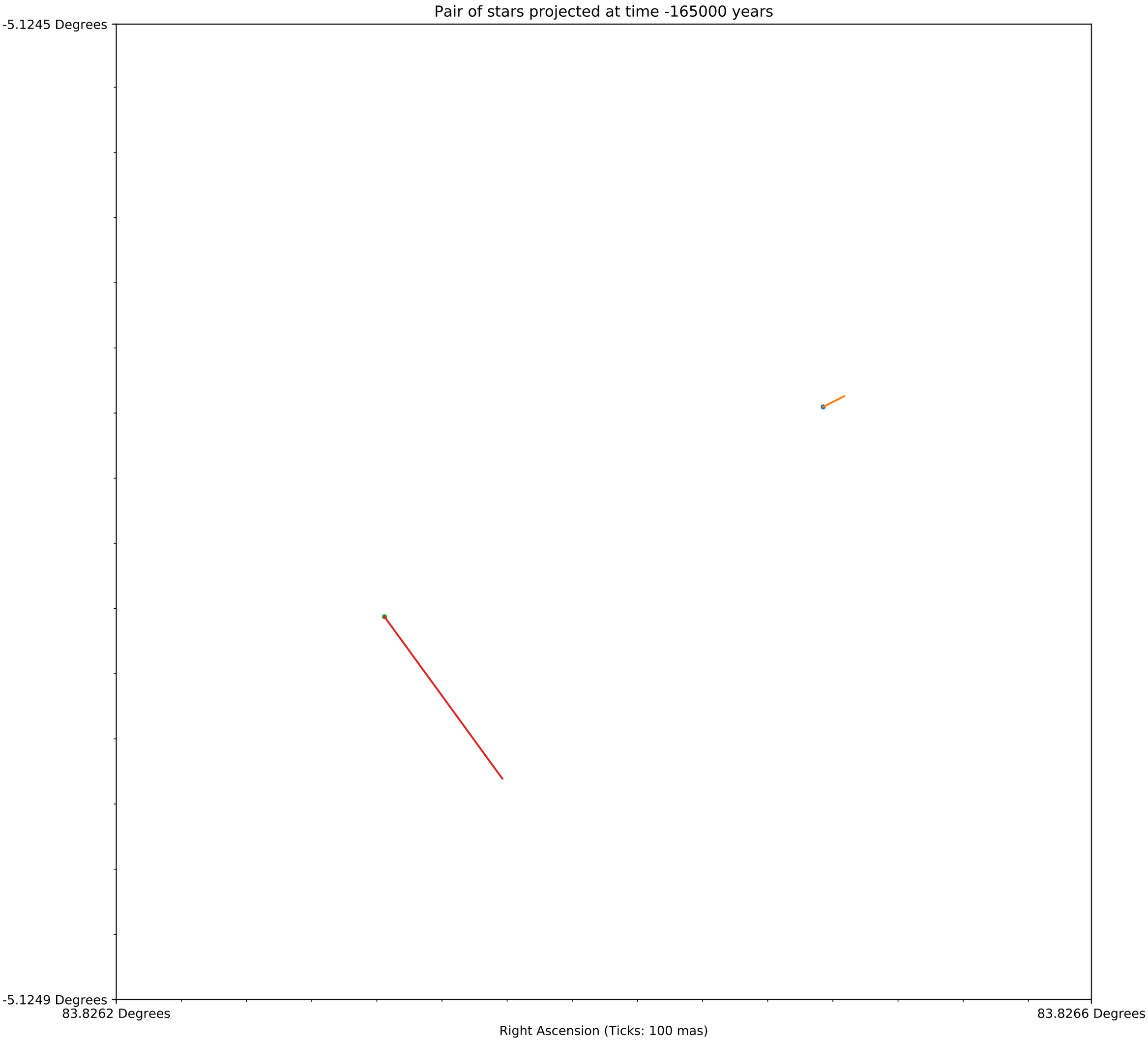

Pair of stars projected at time -158800 years
-4.9601 Degrees
-4.9605 Degrees
83.6566 Degrees
83.6570 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -160500 years
-5.5458 Degrees
Declination (Ticks: 100 mas)
-5.5462 Degrees
83.5526 Degrees
83.5530 Degrees
Right Ascension (Ticks: 100 mas)

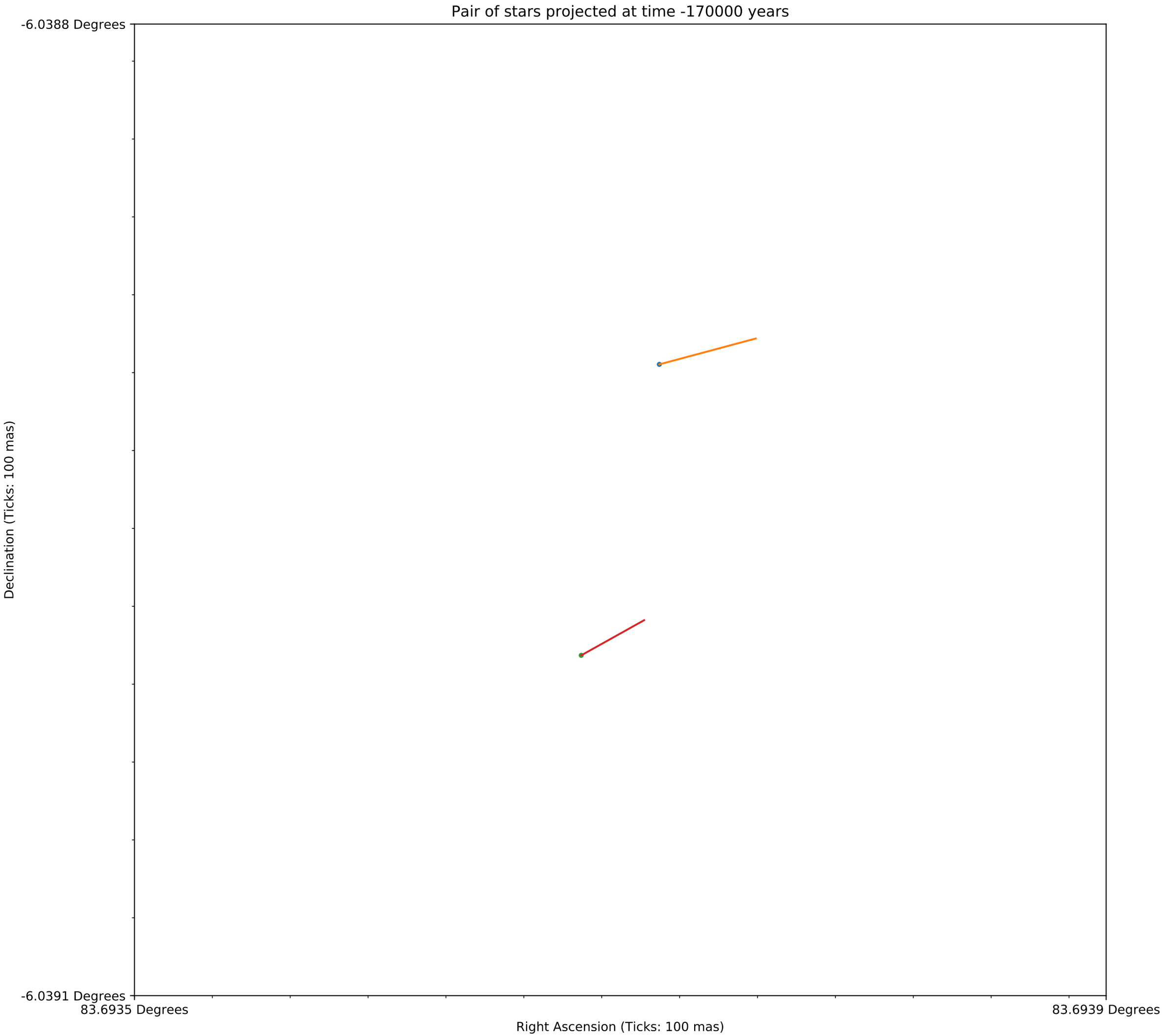

Pair of stars projected at time -161000 years
-4.6959 Degrees
Declination (Ticks: 100 mas)
-4.6967 Degrees
85.1888 Degrees
85.1895 Degrees
Right Ascension (Ticks: 100 mas)

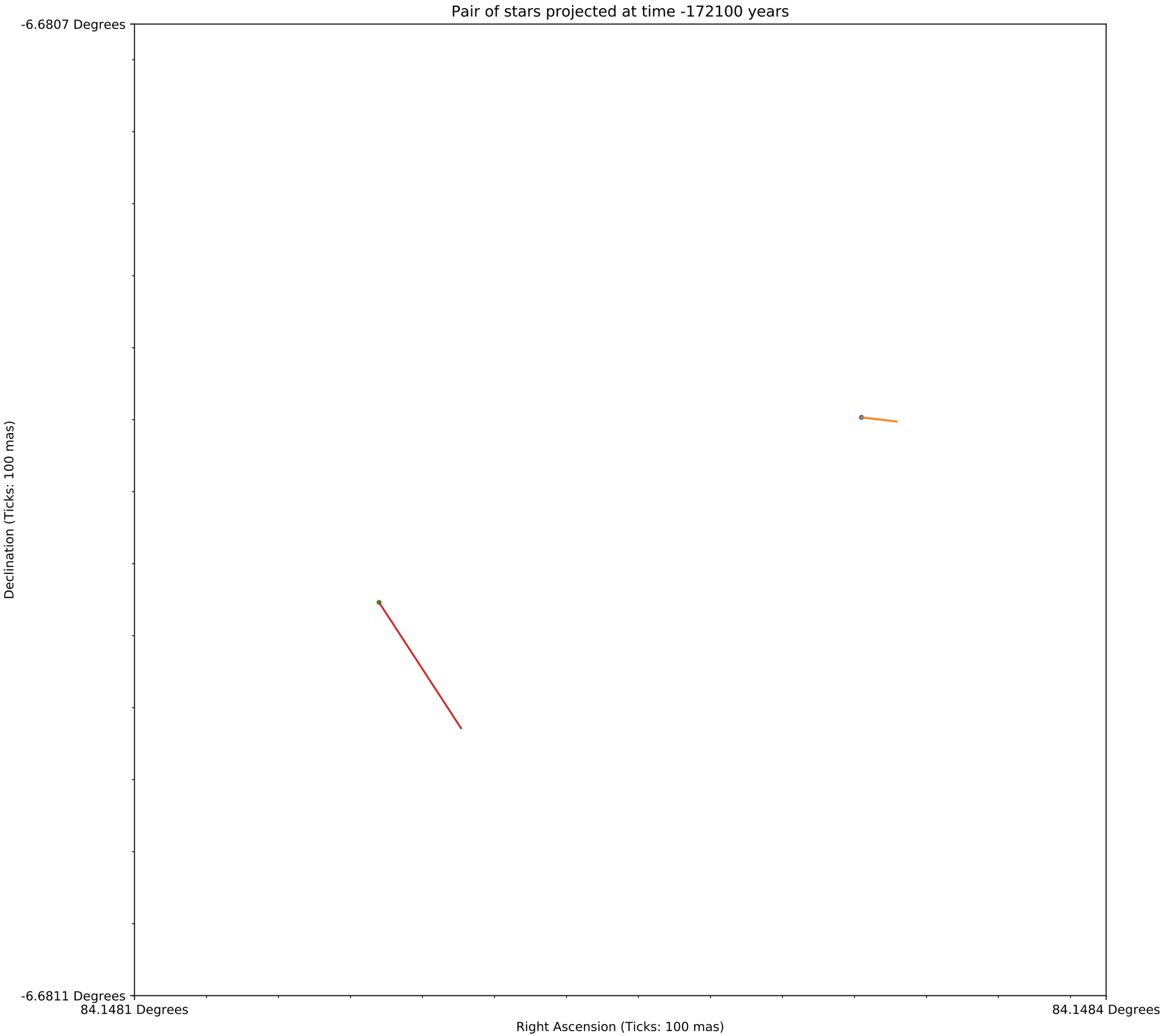
Pair of stars projected at time -161600 years
-5.1801 Degrees
Declination (Ticks: 100 mas)
-5.1811 Degrees
83.4334 Degrees
83.4344 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -163000 years
-6.4670 Degrees
-6.4683 Degrees
83.5195 Degrees
83.5208 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

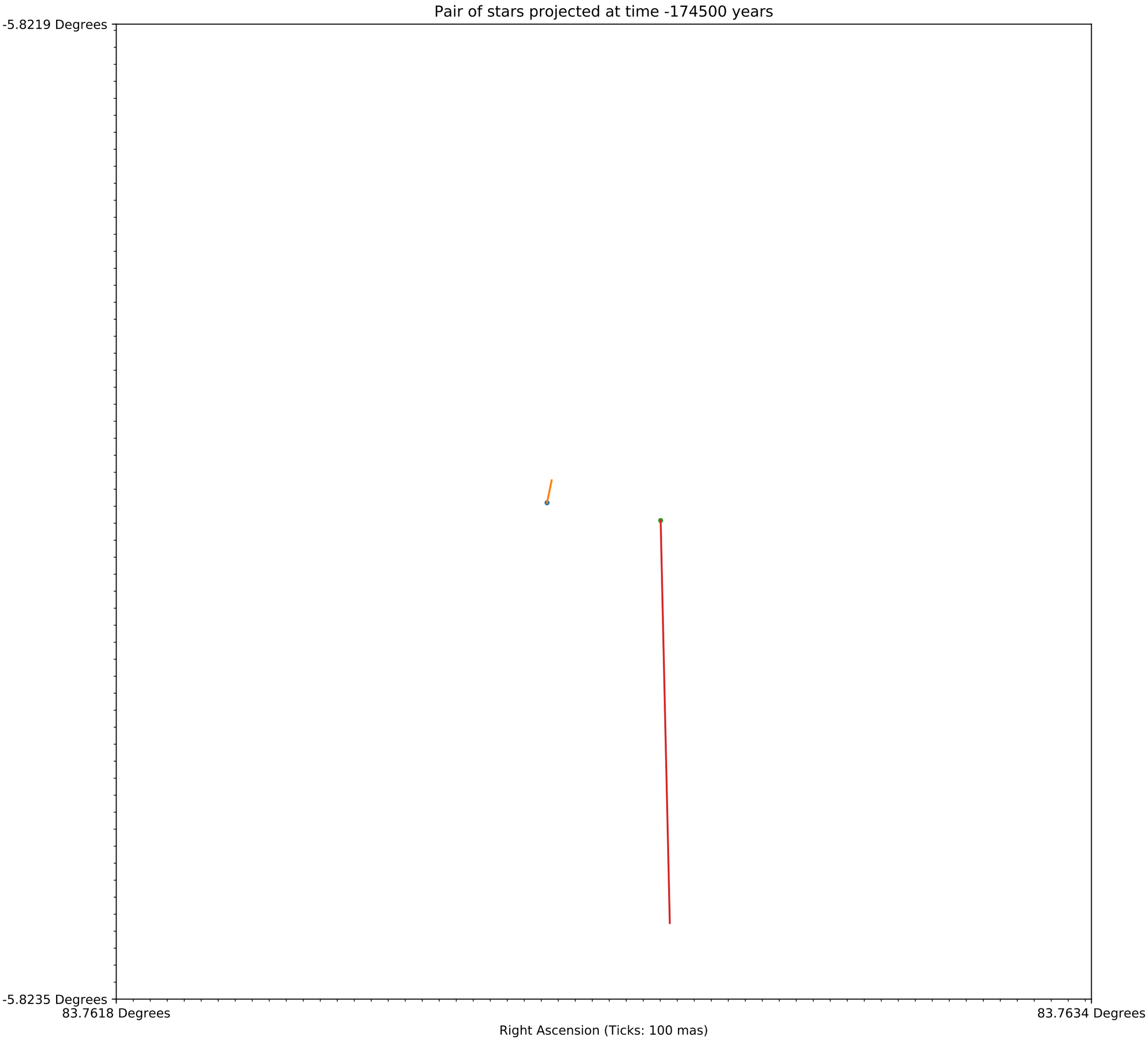

Pair of stars projected at time -165000 years
-5.1245 Degrees
-5.1249 Degrees
83.8262 Degrees
83.8266 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -167500 years
-6.4467 Degrees
Declination (Ticks: 100 mas)
-6.4480 Degrees
83.4964 Degrees
83.4977 Degrees
Right Ascension (Ticks: 100 mas)

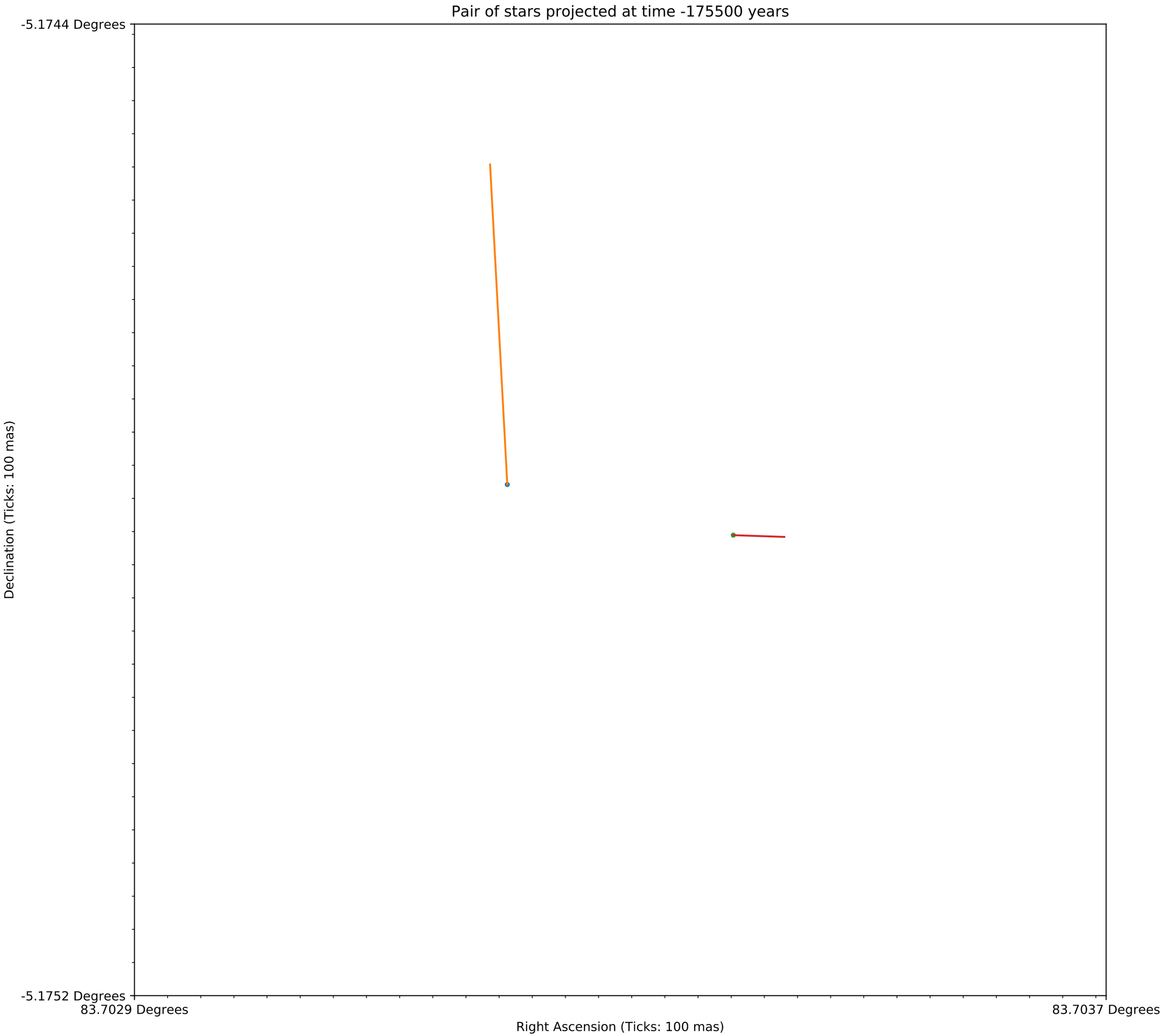

Pair of stars projected at time -170000 years
-6.0388 Degrees
Declination (Ticks: 100 mas)
-6.0391 Degrees
83.6935 Degrees
83.6939 Degrees
Right Ascension (Ticks: 100 mas)

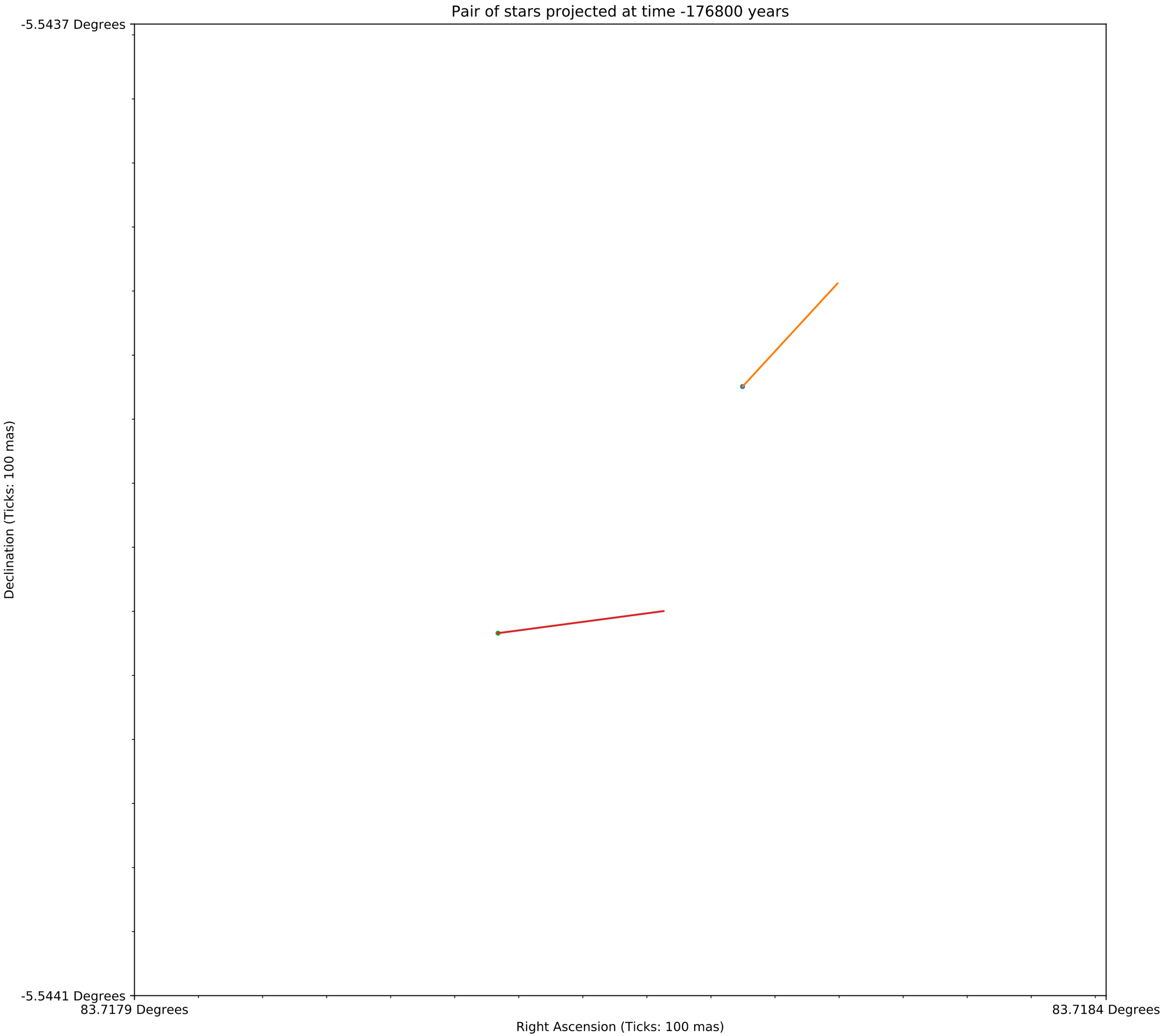

Pair of stars projected at time -172100 years
-6.6807 Degrees
-6.6811 Degrees
84.1481 Degrees
84.1484 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

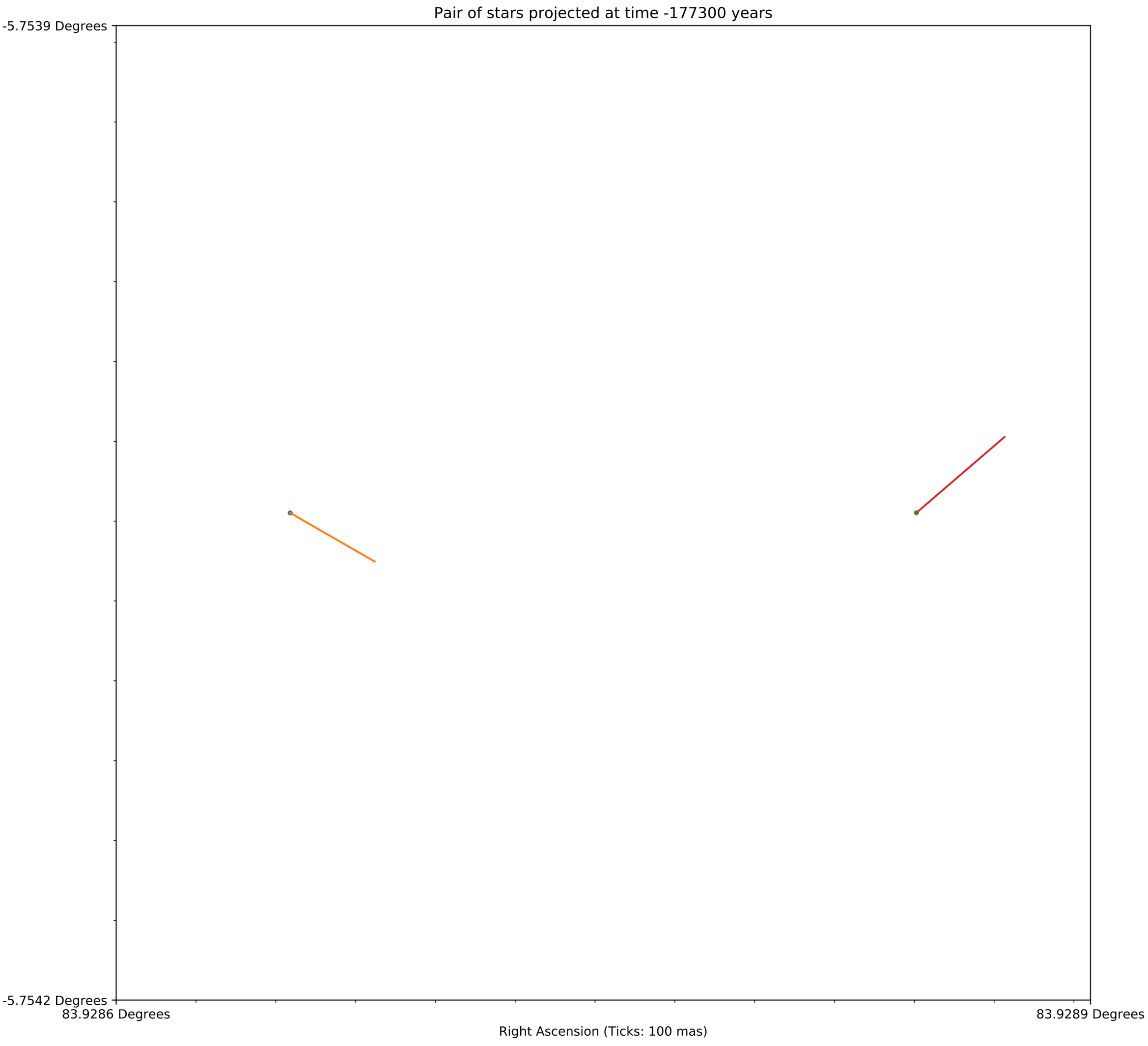
Pair of stars projected at time -174200 years
-5.1814 Degrees
Declination (Ticks: 100 mas)
-5.1818 Degrees
83.6261 Degrees
83.6265 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -174500 years
-5.8219 Degrees
Declination (Ticks: 100 mas)
-5.8235 Degrees
83.7618 Degrees
83.7634 Degrees
Right Ascension (Ticks: 100 mas)

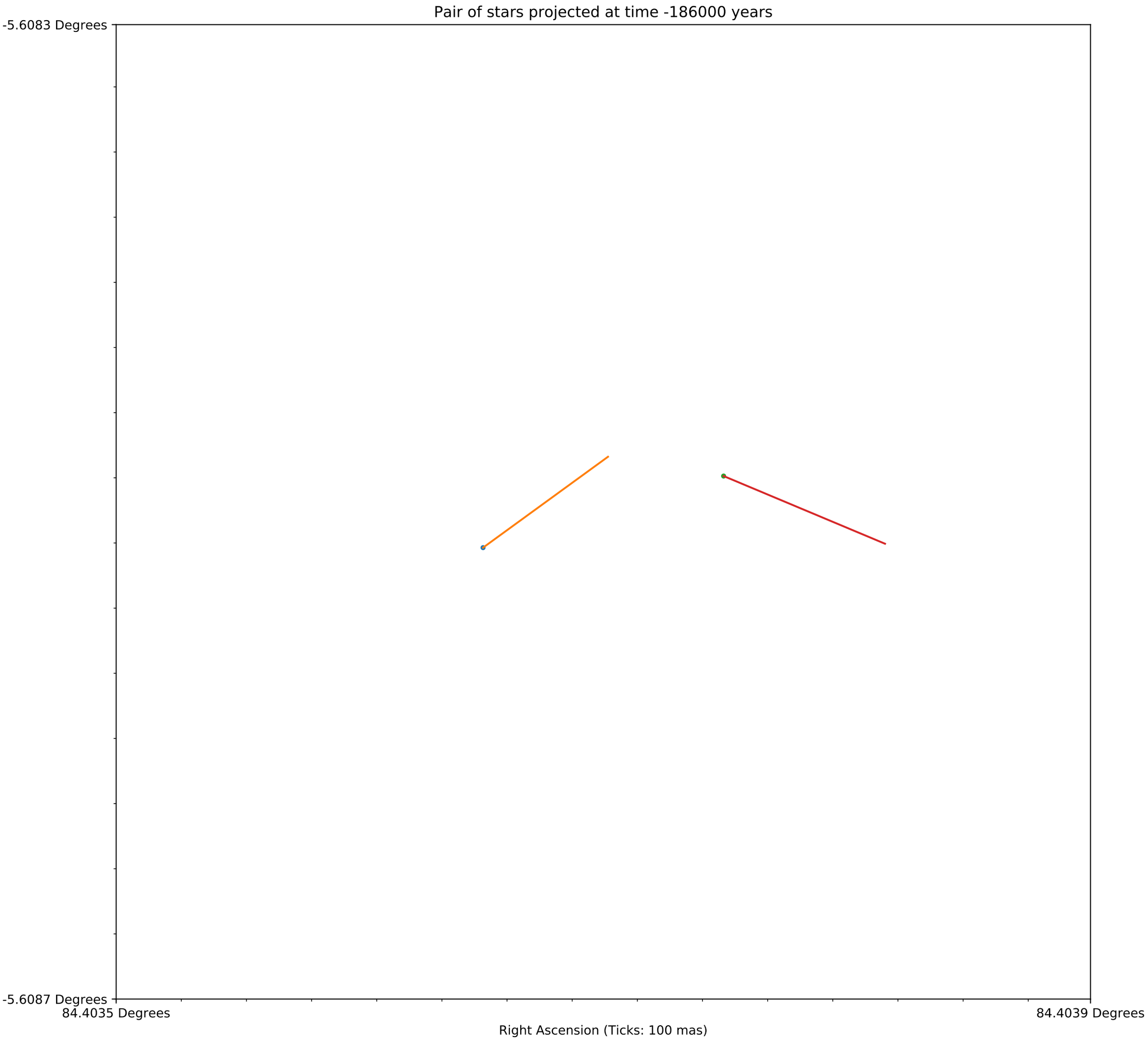
Pair of stars projected at time -175400 years
-4.6238 Degrees
Declination (Ticks: 100 mas)
-4.6255 Degrees
85.3160 Degrees
85.3177 Degrees
Right Ascension (Ticks: 100 mas)

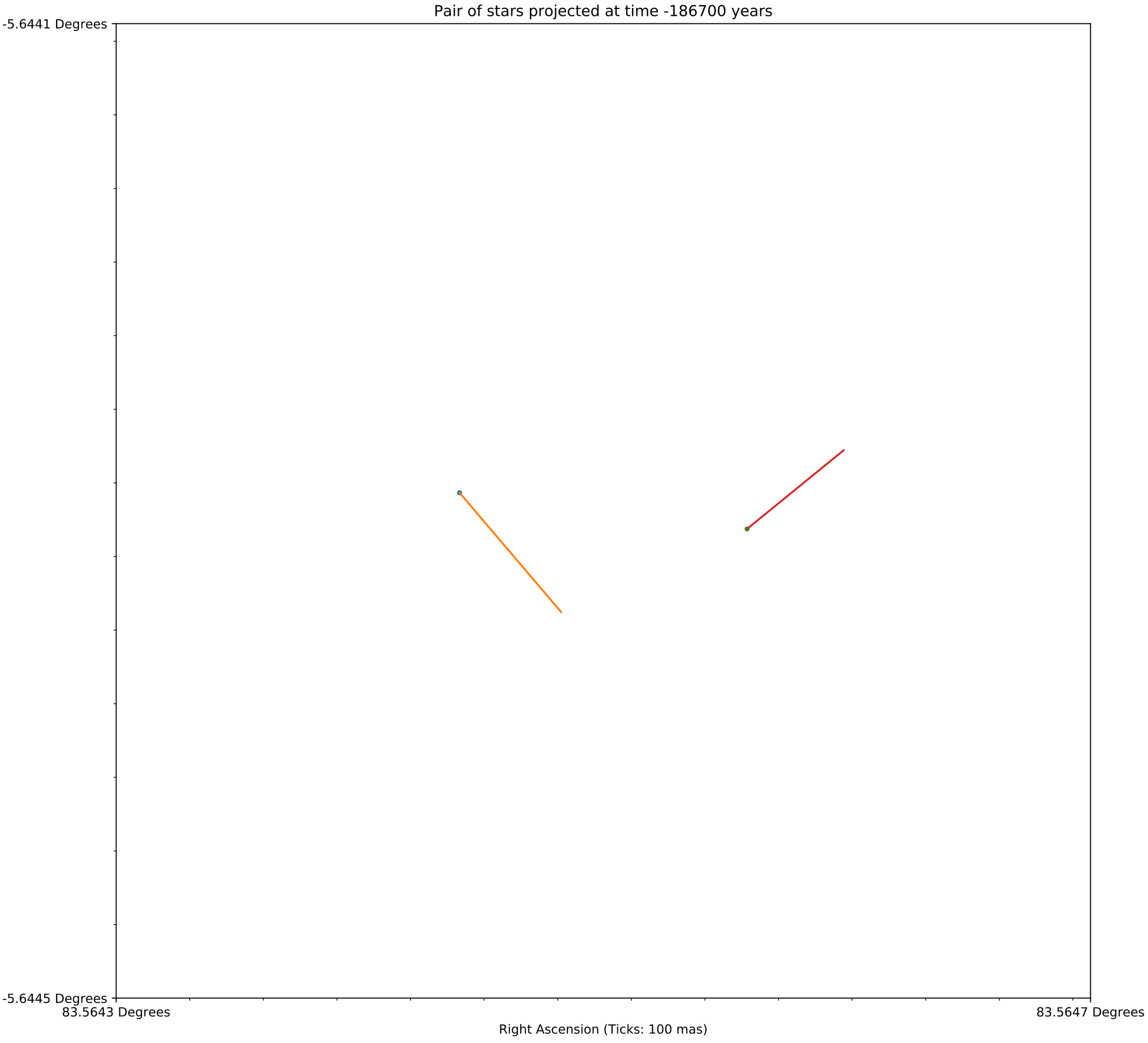

Pair of stars projected at time -175500 years
-5.1744 Degrees
Declination (Ticks: 100 mas)
-5.1752 Degrees
83.7029 Degrees
83.7037 Degrees
Right Ascension (Ticks: 100 mas)

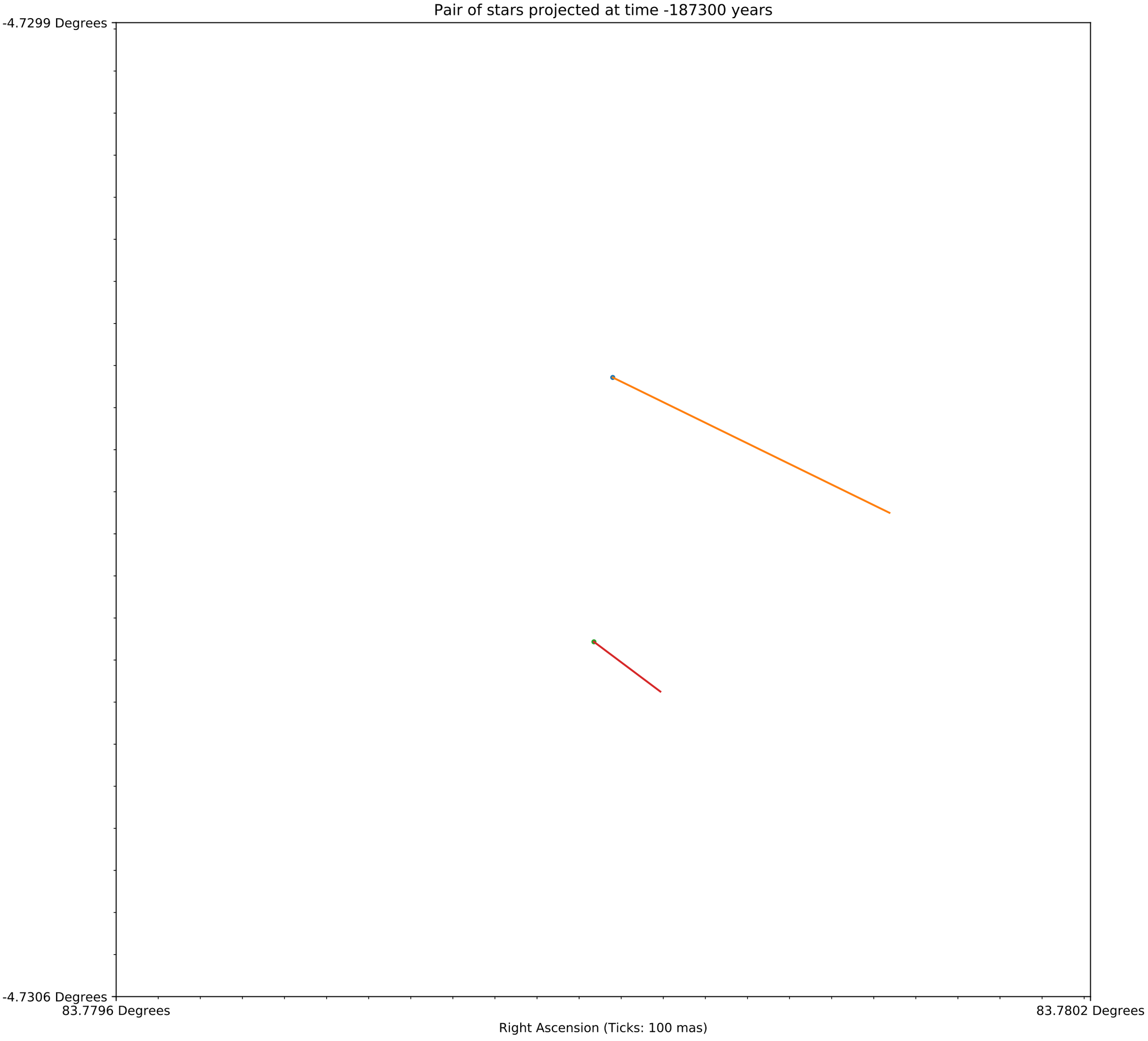

Pair of stars projected at time -176800 years
-5.5437 Degrees
-5.5441 Degrees
83.7179 Degrees
83.7184 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -177300 years
-5.7539 Degrees
Declination (Ticks: 100 mas)
-5.7542 Degrees
83.9286 Degrees
83.9289 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -181000 years
-3.4424 Degrees
-3.4431 Degrees
83.5031 Degrees
83.5038 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -186000 years
-5.6083 Degrees
-5.6087 Degrees
84.4035 Degrees
84.4039 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

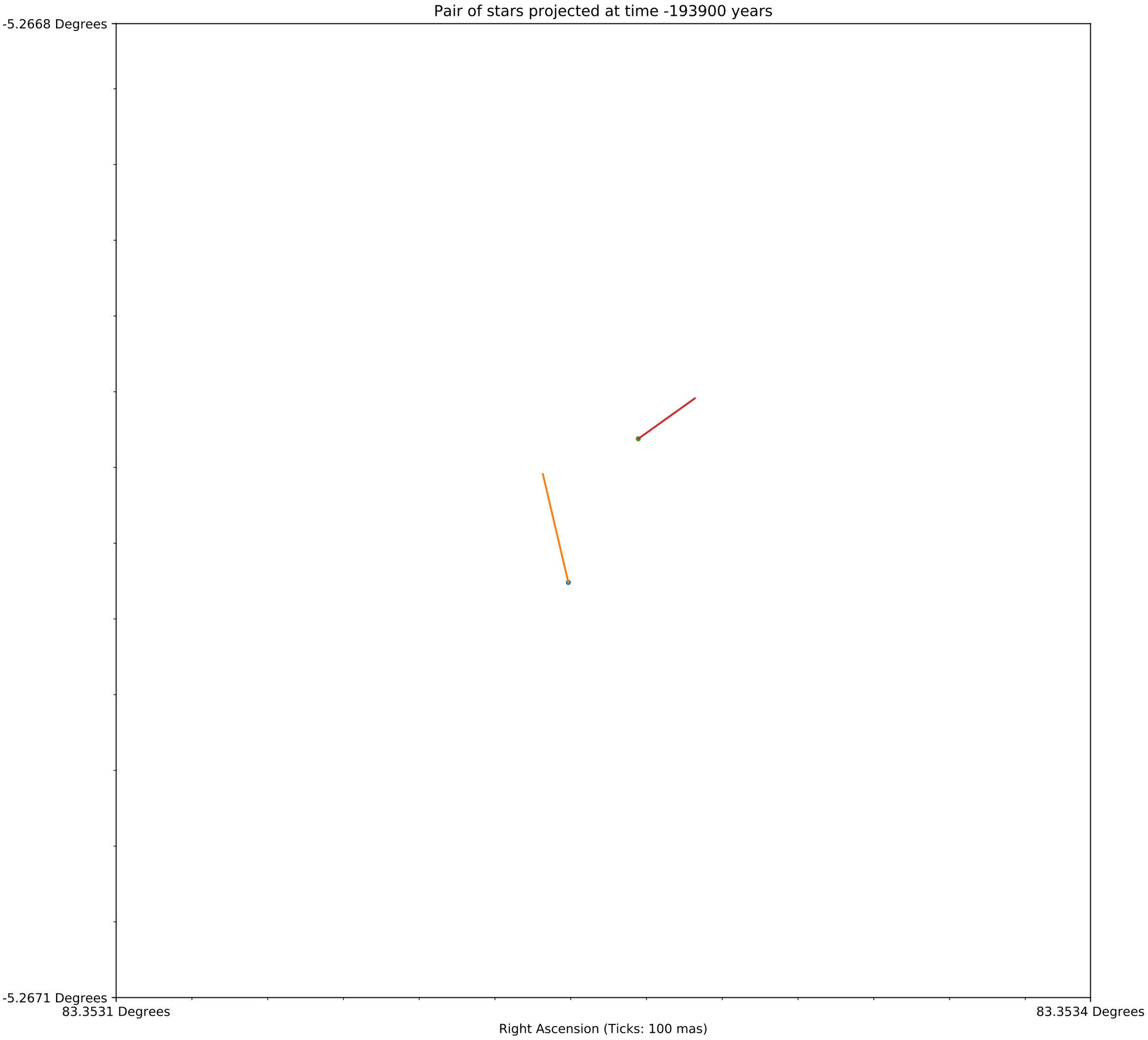

Pair of stars projected at time -186700 years
-5.6441 Degrees
-5.6445 Degrees
83.5643 Degrees
83.5647 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

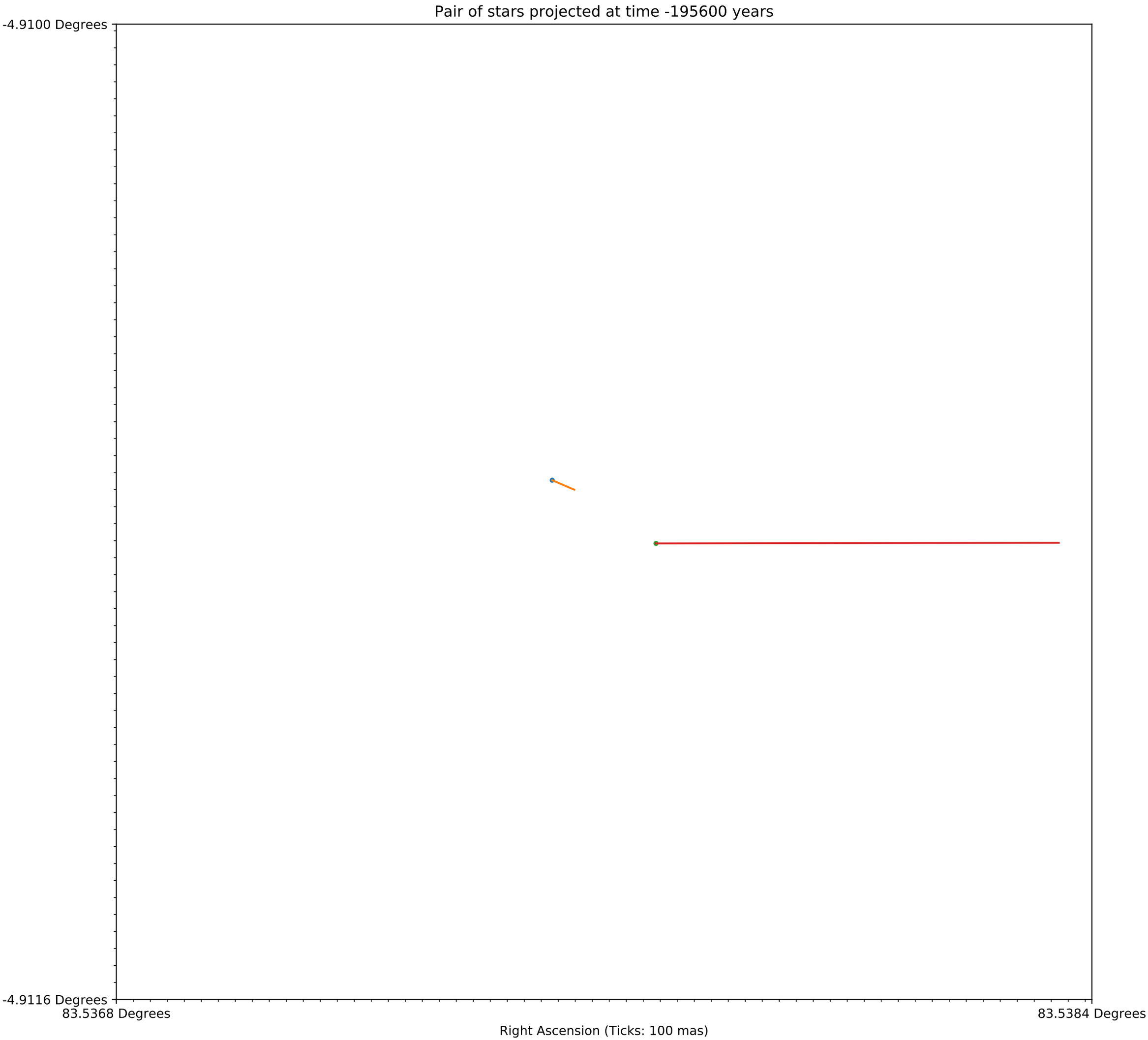

Pair of stars projected at time -187300 years
-4.7299 Degrees
Declination (Ticks: 100 mas)
-4.7306 Degrees
83.7796 Degrees
83.7802 Degrees
Right Ascension (Ticks: 100 mas)

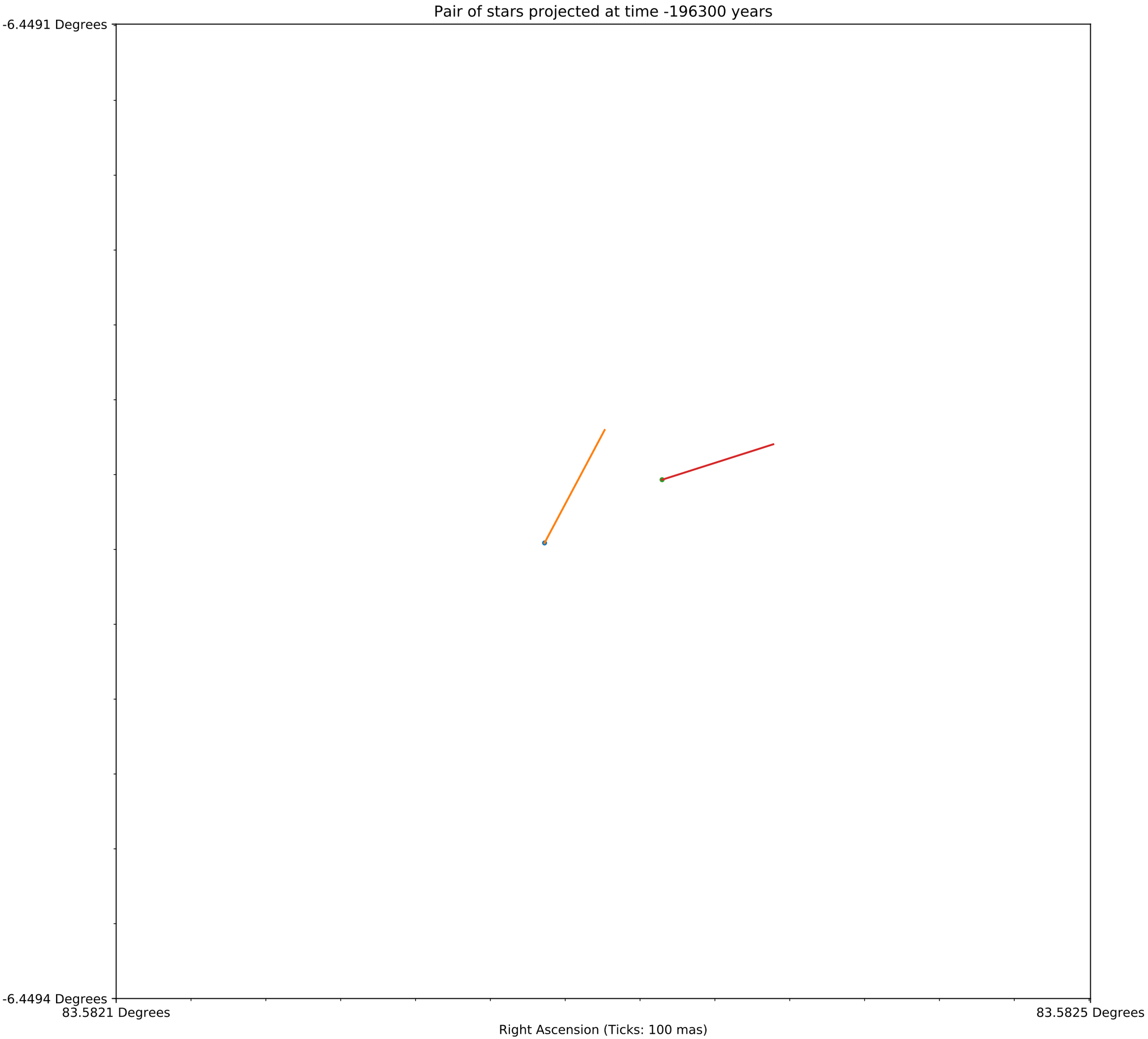
Pair of stars projected at time -190200 years
-5.3346 Degrees
Declination (Ticks: 100 mas)
-5.3363 Degrees
83.1088 Degrees
83.1106 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -190300 years
-5.1935 Degrees
-5.1948 Degrees
83.9985 Degrees
83.9998 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -192800 years
-4.3060 Degrees
Declination (Ticks: 100 mas)
-4.3064 Degrees
83.9750 Degrees
83.9754 Degrees
Right Ascension (Ticks: 100 mas)

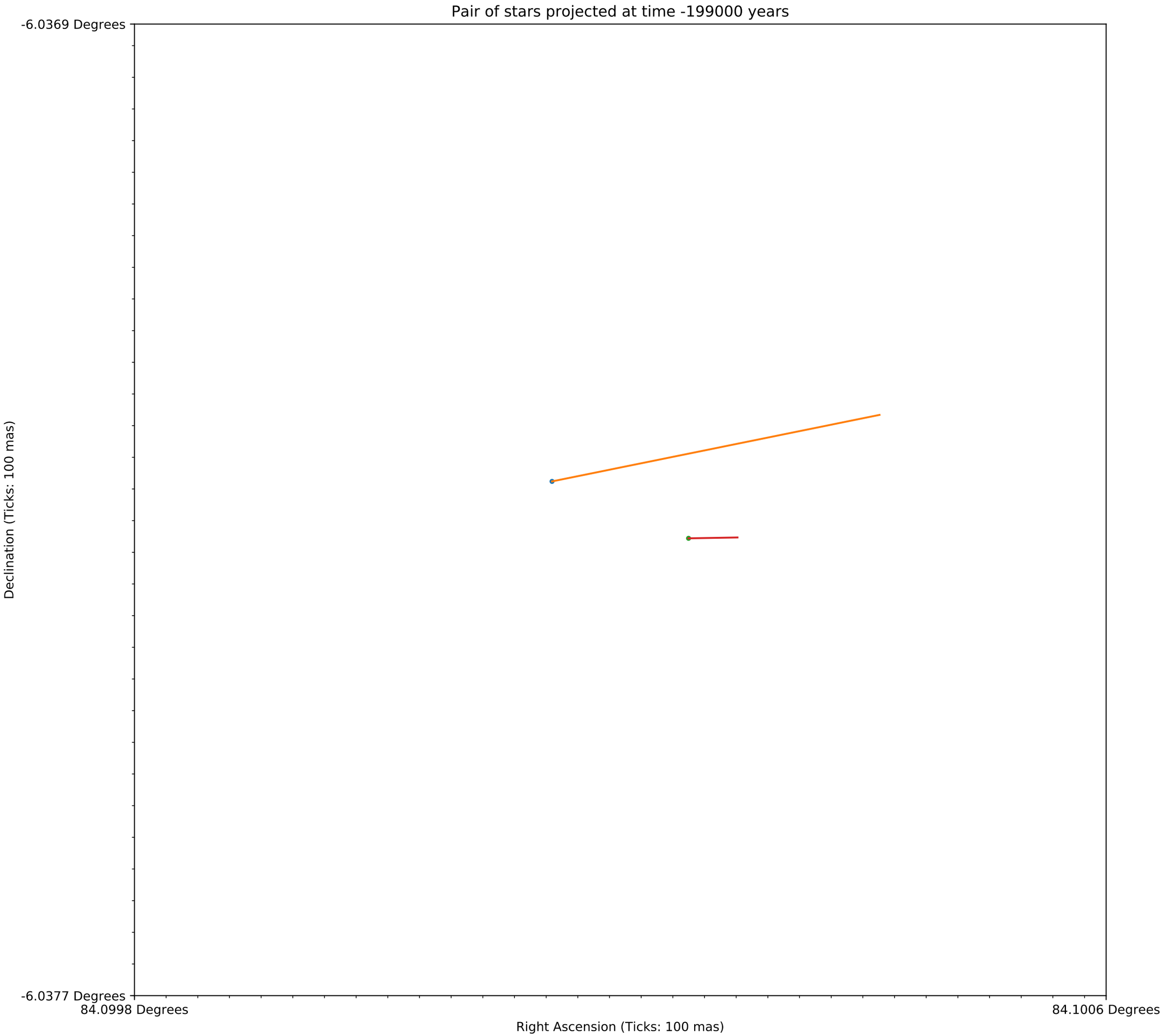

Pair of stars projected at time -193900 years
-5.2668 Degrees
Declination (Ticks: 100 mas)
-5.2671 Degrees
83.3531 Degrees
83.3534 Degrees
Right Ascension (Ticks: 100 mas)

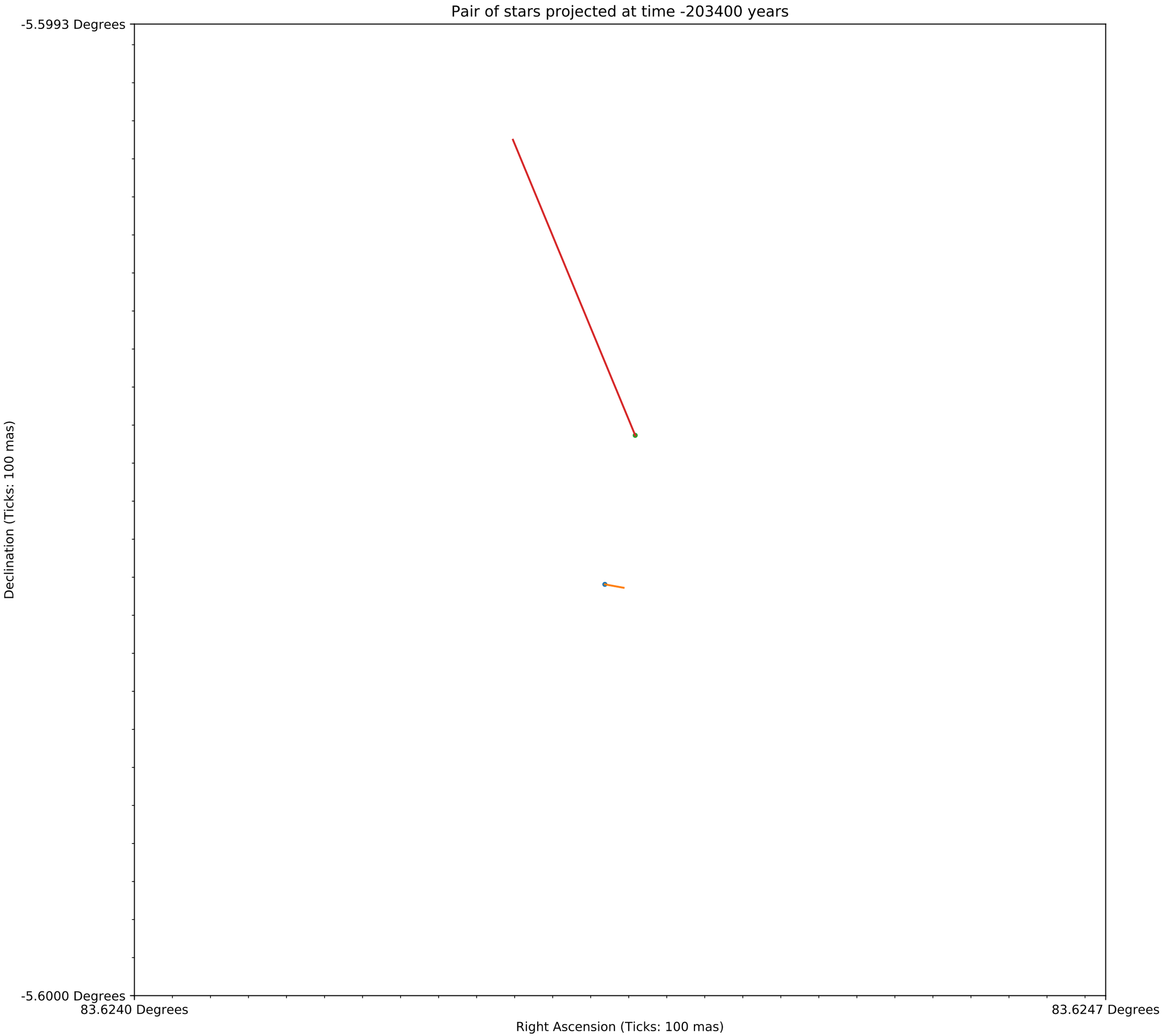

Pair of stars projected at time -195600 years
-4.9100 Degrees
-4.9116 Degrees
83.5368 Degrees
83.5384 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

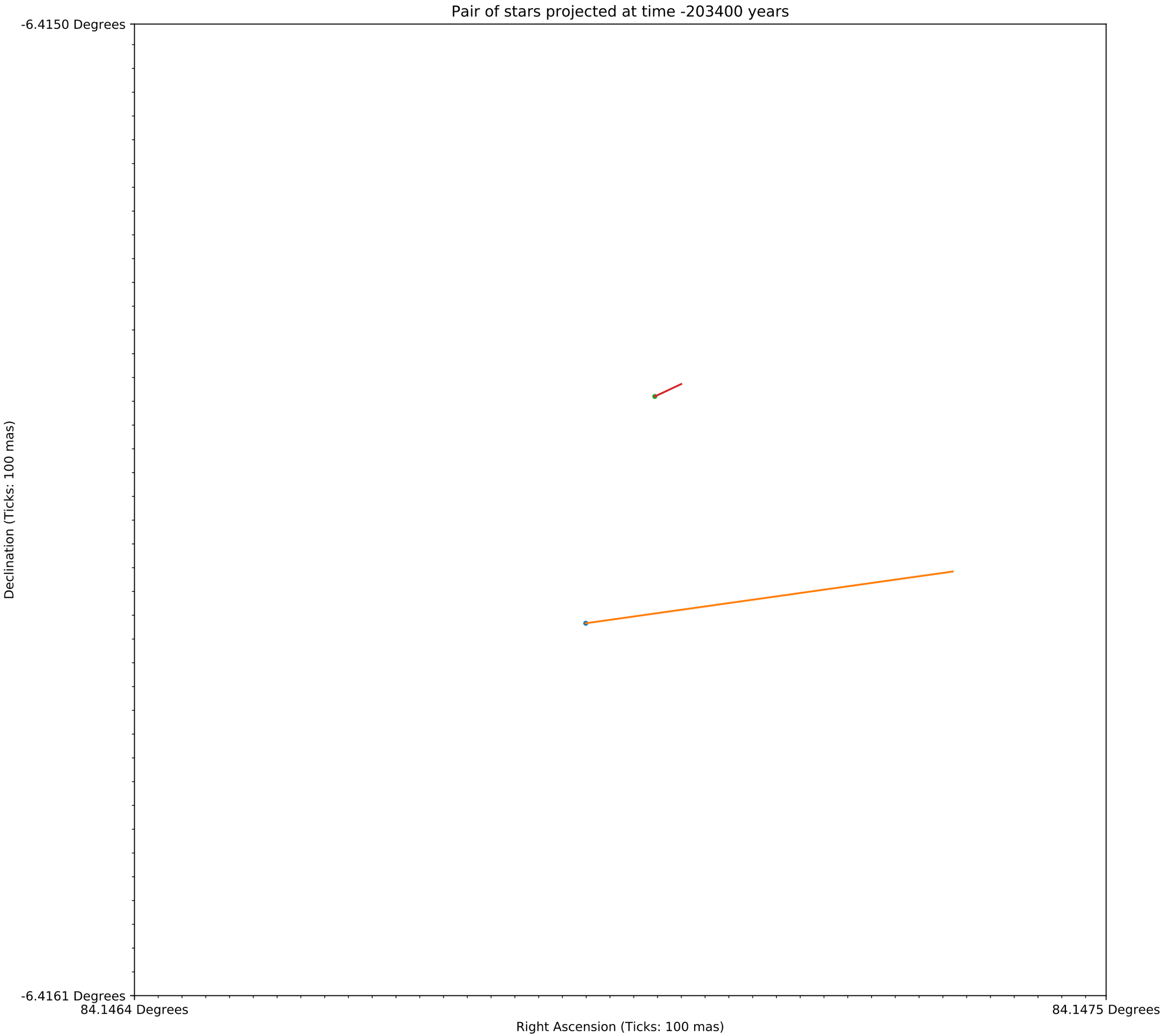

Pair of stars projected at time -196300 years
-6.4491 Degrees
Declination (Ticks: 100 mas)
-6.4494 Degrees
83.5821 Degrees
83.5825 Degrees
Right Ascension (Ticks: 100 mas)

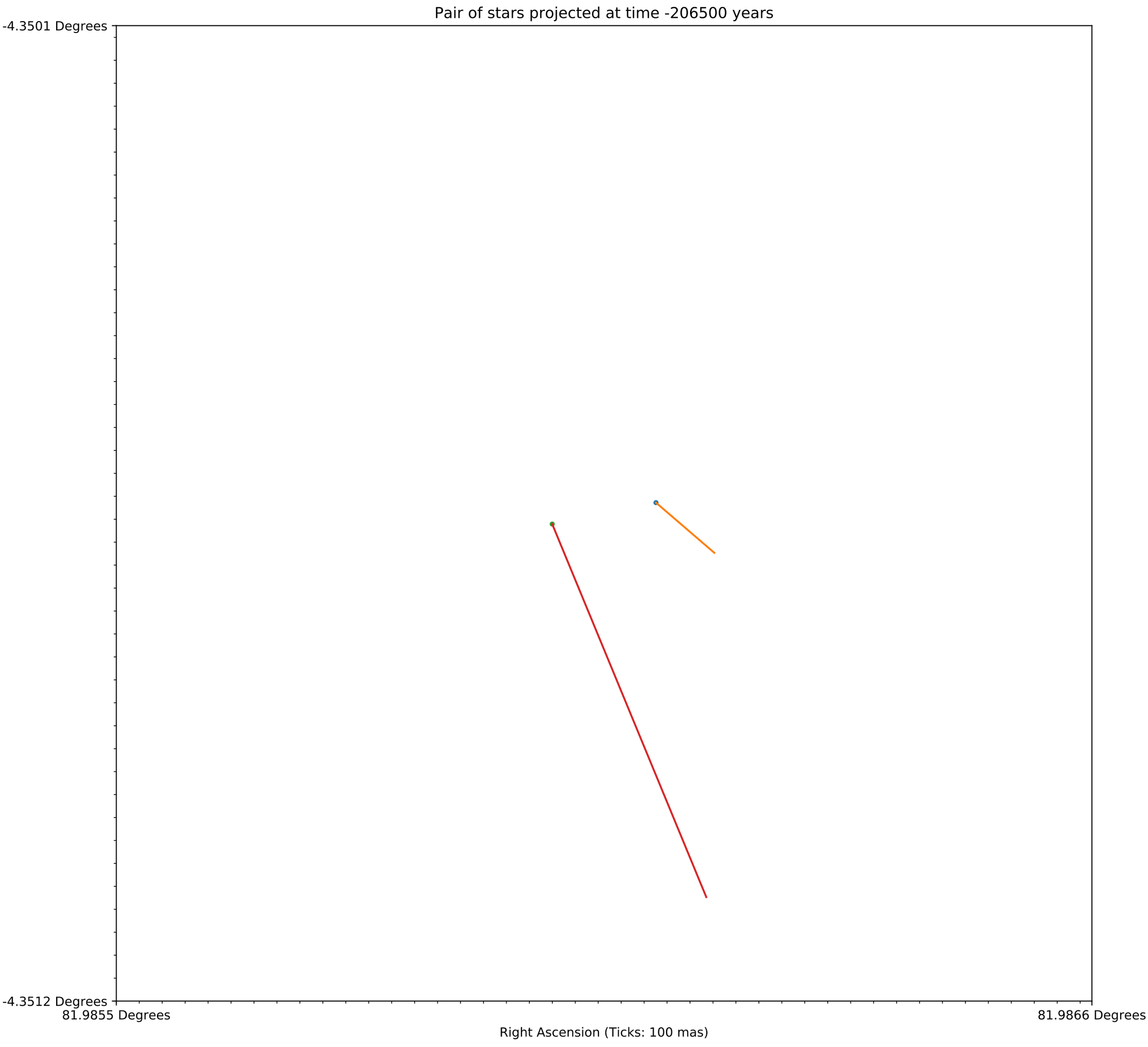
Pair of stars projected at time -196600 years
-4.1992 Degrees
-4.1996 Degrees
82.9735 Degrees
82.9738 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -199000 years
-4.4584 Degrees
Declination (Ticks: 100 mas)
-4.4588 Degrees
83.5597 Degrees
83.5602 Degrees
Right Ascension (Ticks: 100 mas)

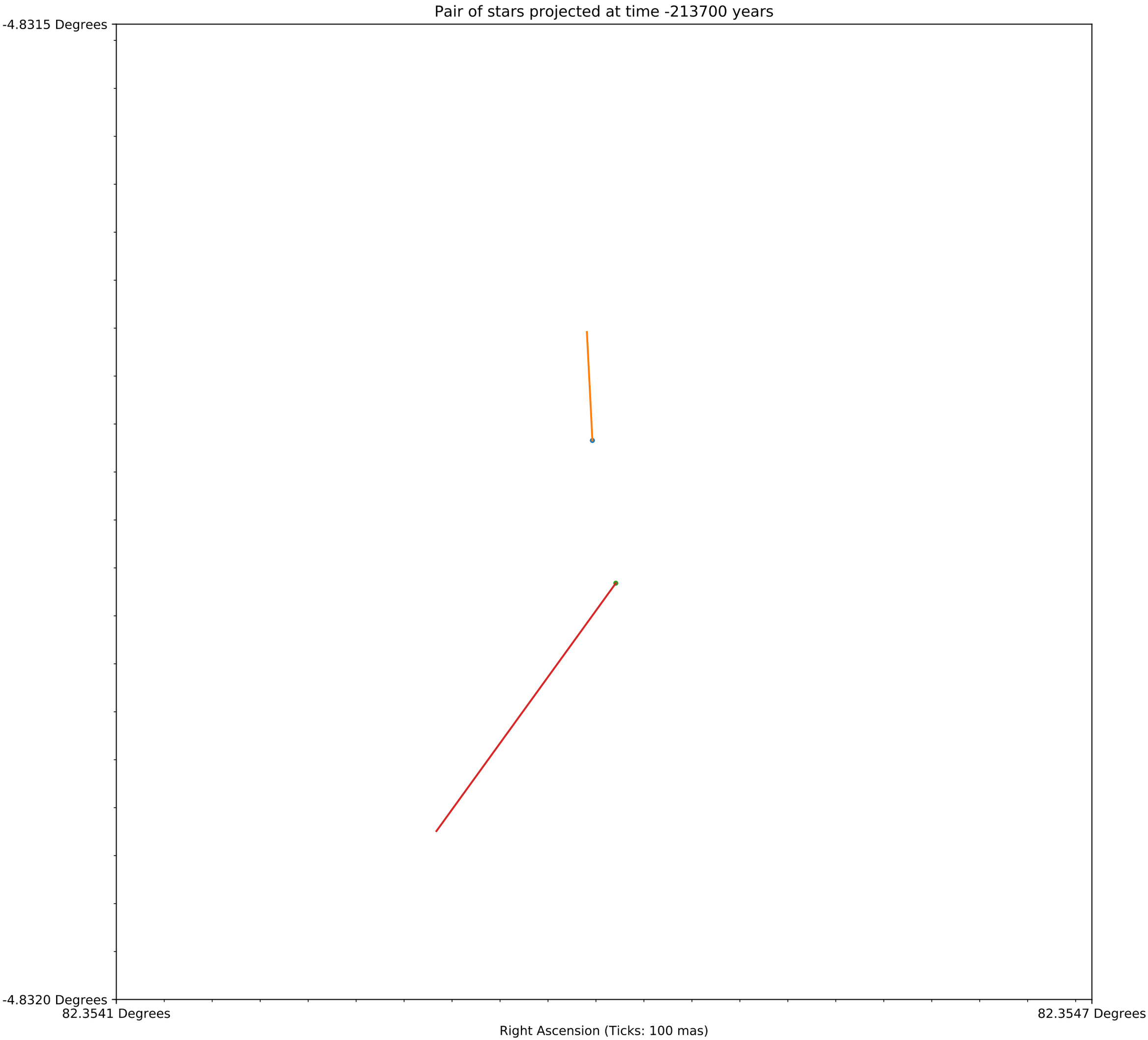

Pair of stars projected at time -199000 years
-6.0369 Degrees
-6.0377 Degrees
84.0998 Degrees
84.1006 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -203400 years
-5.5993 Degrees
-5.6000 Degrees
83.6240 Degrees
83.6247 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

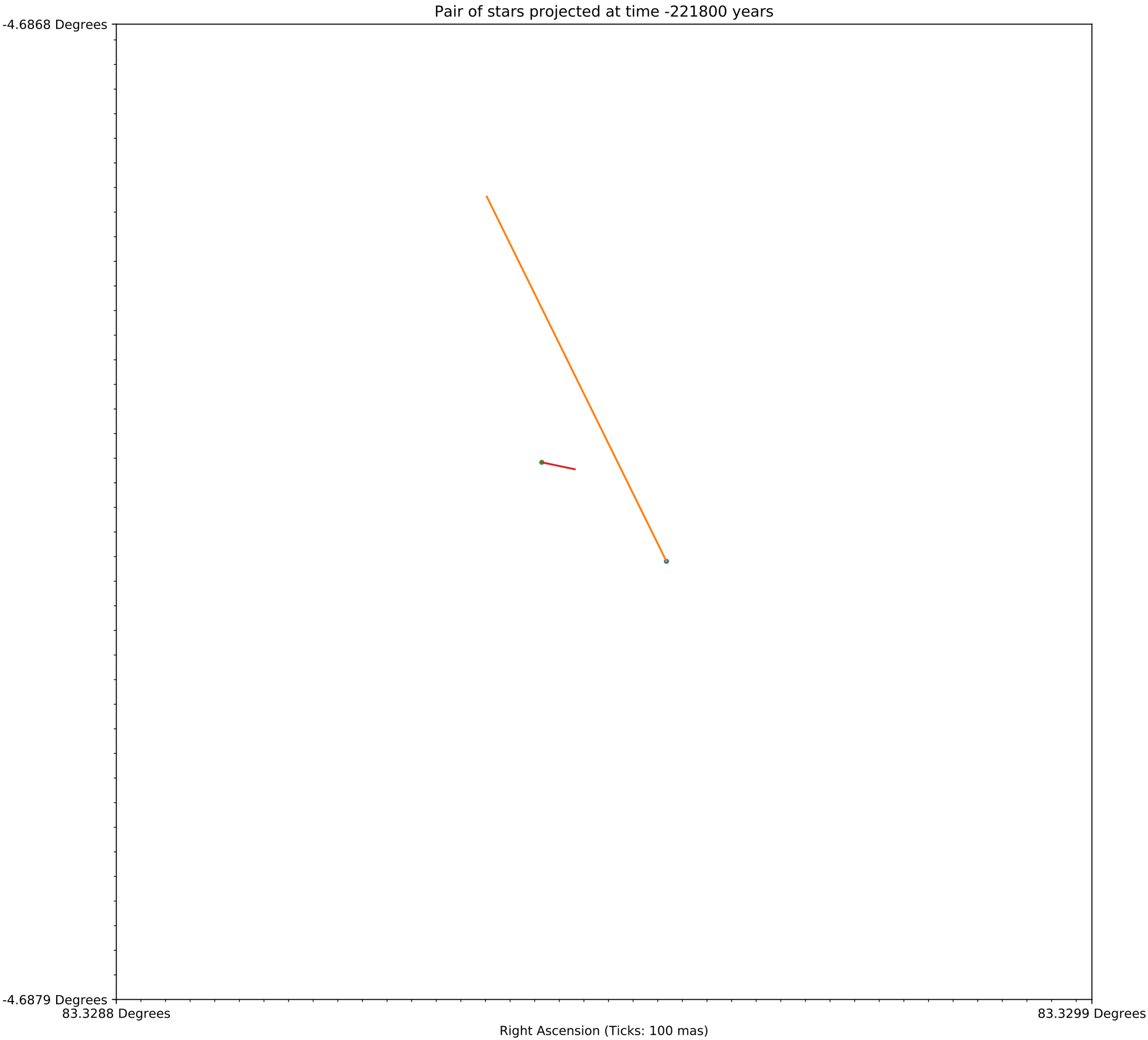

Pair of stars projected at time -203400 years
-6.4150 Degrees
Declination (Ticks: 100 mas)
-6.4161 Degrees
84.1464 Degrees
84.1475 Degrees
Right Ascension (Ticks: 100 mas)

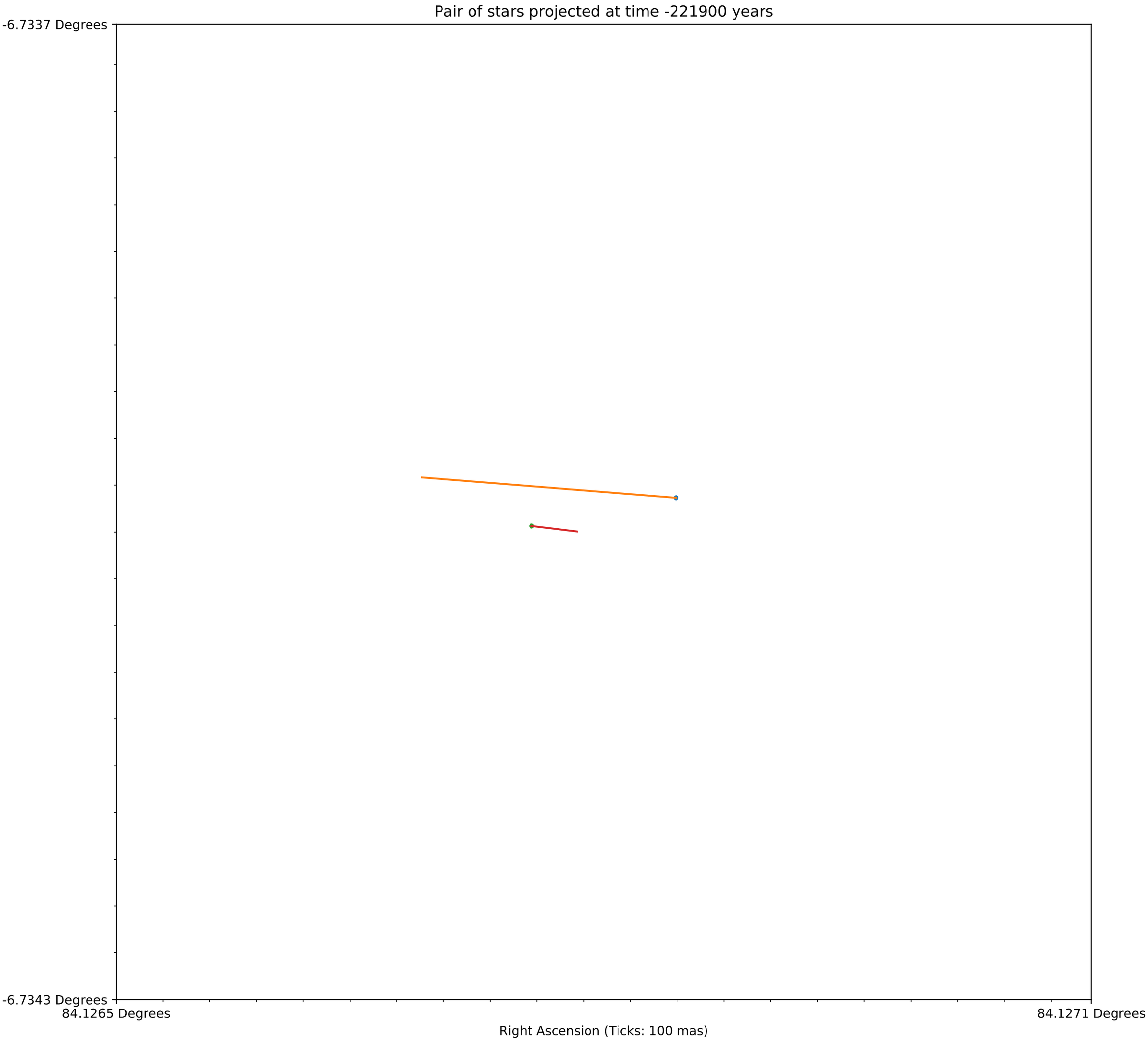

Pair of stars projected at time -206500 years
-4.3501 Degrees
Declination (Ticks: 100 mas)
-4.3512 Degrees
81.9855 Degrees
81.9866 Degrees
Right Ascension (Ticks: 100 mas)

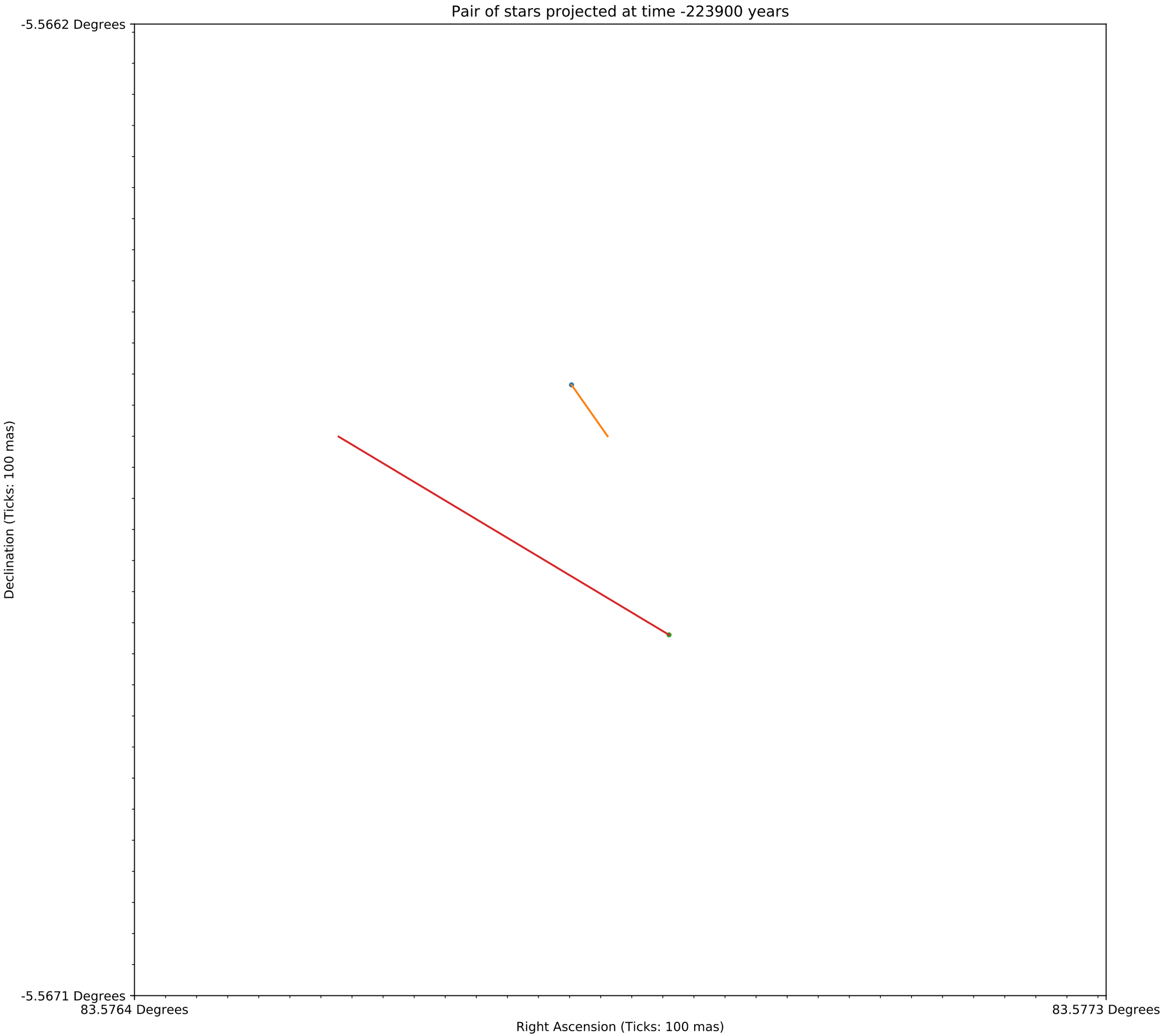
Pair of stars projected at time -207800 years
-5.3514 Degrees
Declination (Ticks: 100 mas)
-5.3521 Degrees
83.7122 Degrees
83.7129 Degrees
Right Ascension (Ticks: 100 mas)

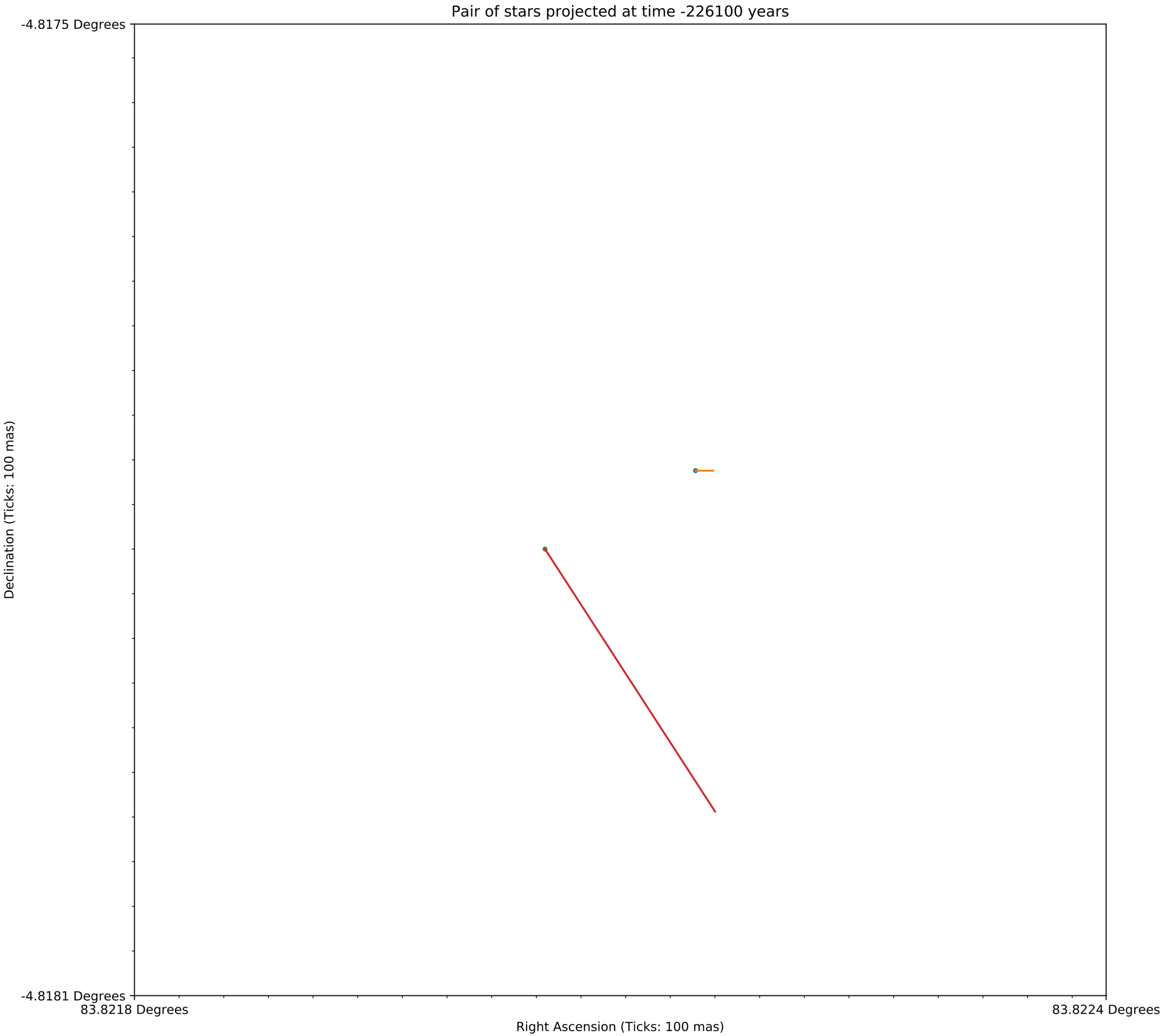

Pair of stars projected at time -213700 years
-4.8315 Degrees
-4.8320 Degrees
82.3541 Degrees
82.3547 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -217800 years
-5.5791 Degrees
-5.5795 Degrees
83.6675 Degrees
83.6679 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

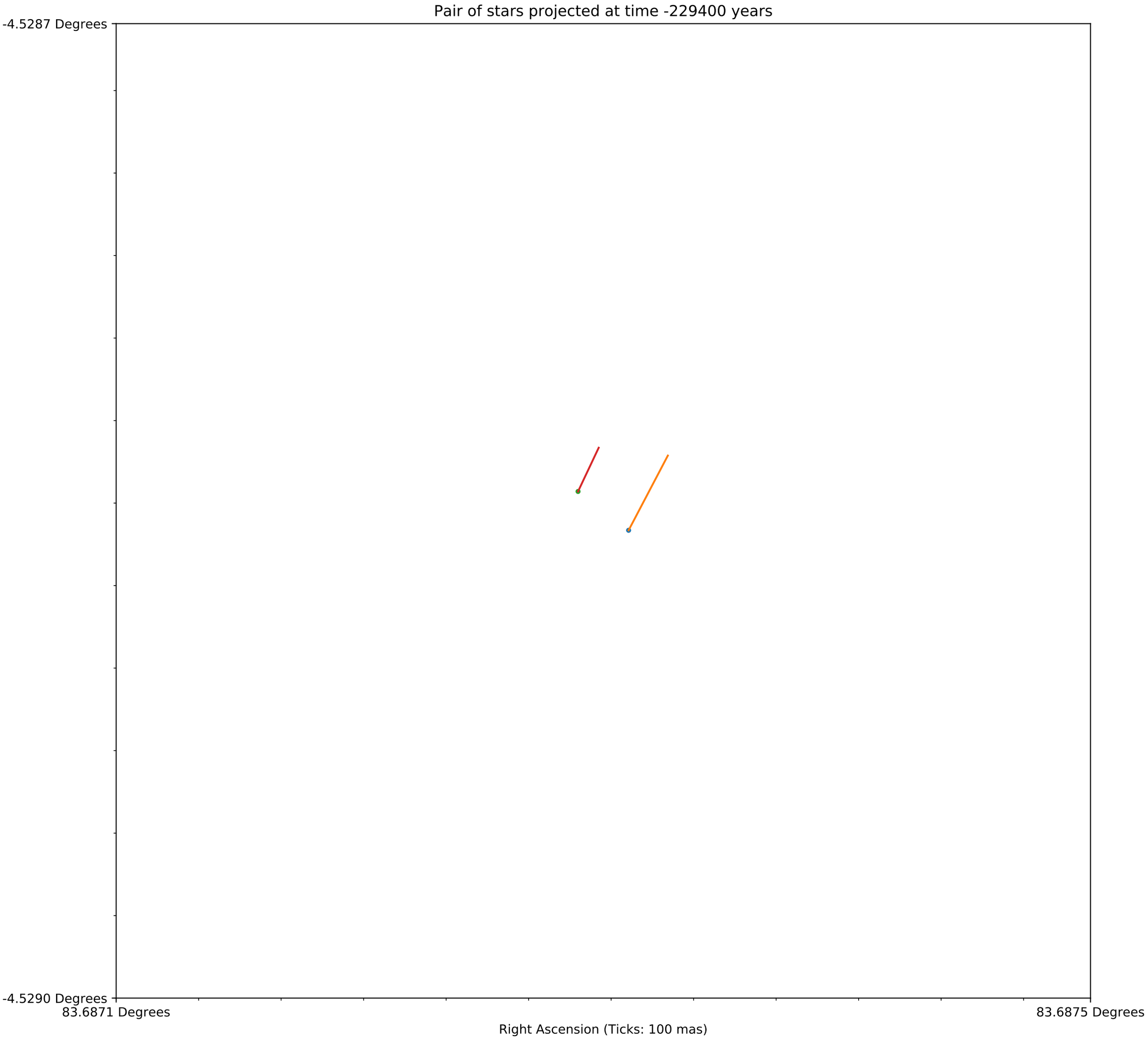

Pair of stars projected at time -221800 years
-4.6868 Degrees
-4.6879 Degrees
83.3288 Degrees
83.3299 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -221900 years
-6.7337 Degrees
Declination (Ticks: 100 mas)
-6.7343 Degrees
84.1265 Degrees
84.1271 Degrees
Right Ascension (Ticks: 100 mas)

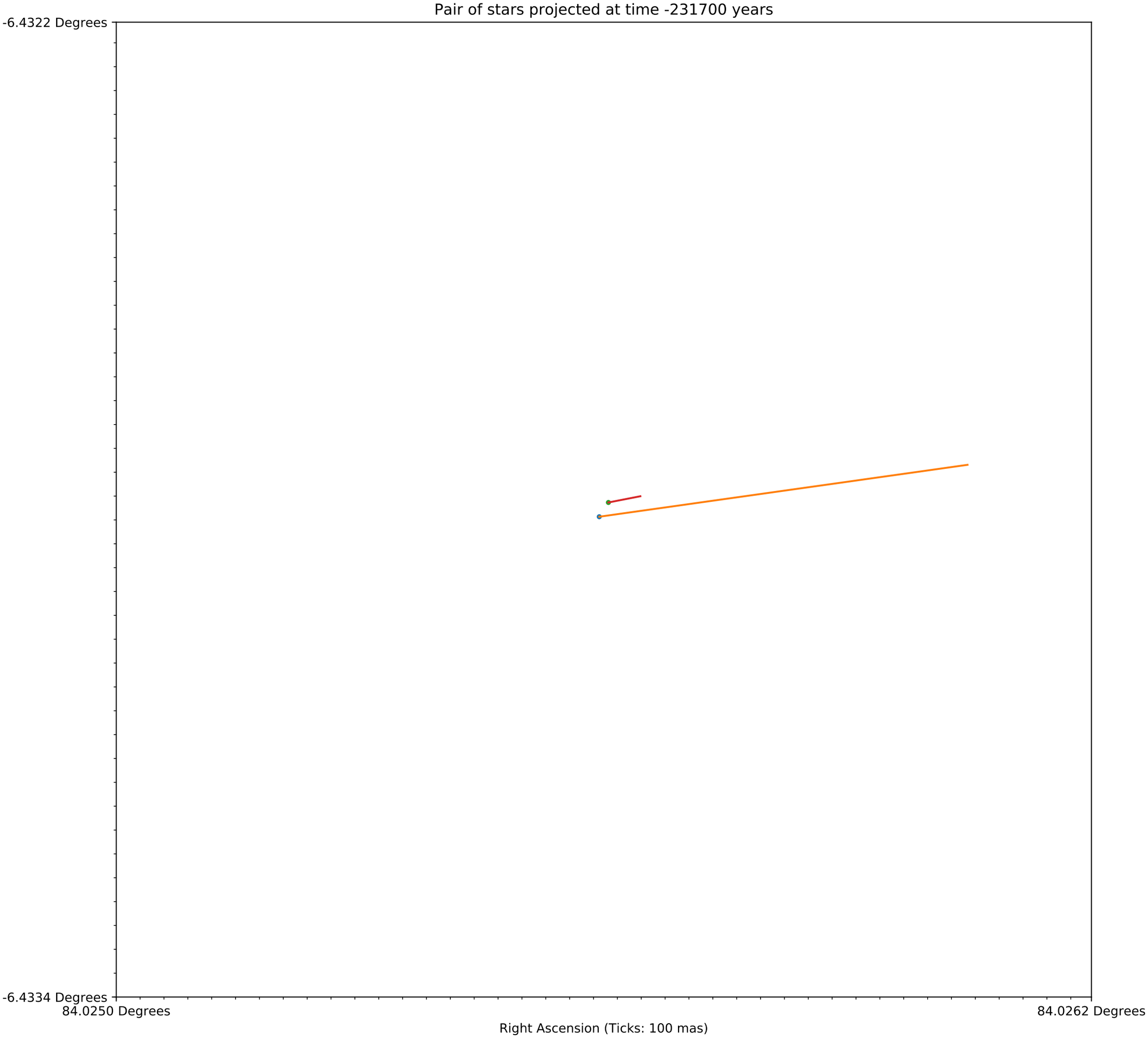

Pair of stars projected at time -223900 years
-5.5662 Degrees
Declination (Ticks: 100 mas)
-5.5671 Degrees
83.5764 Degrees
83.5773 Degrees
Right Ascension (Ticks: 100 mas)

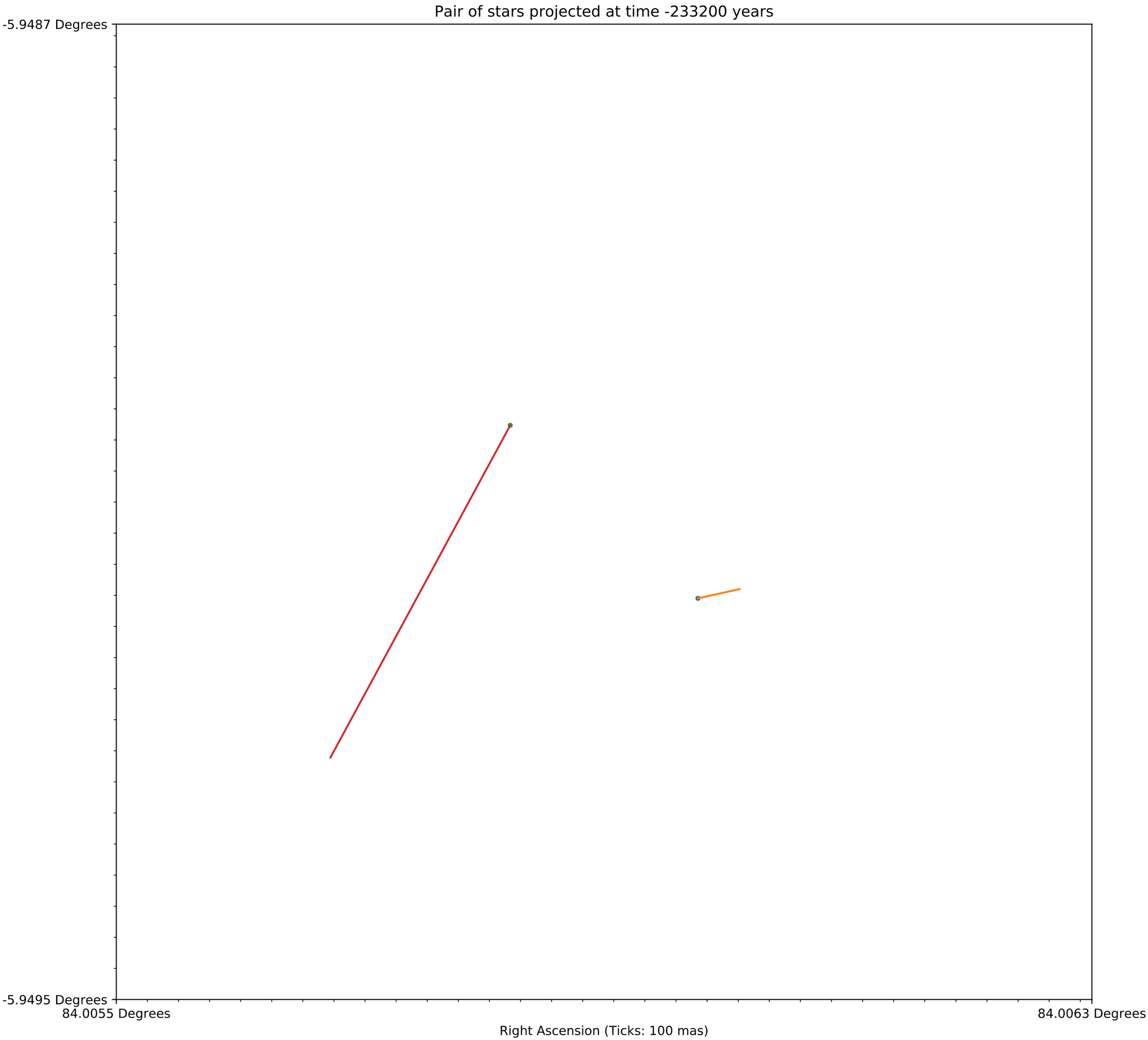

Pair of stars projected at time -226100 years
-4.8175 Degrees
Declination (Ticks: 100 mas)
-4.8181 Degrees
83.8218 Degrees
83.8224 Degrees
Right Ascension (Ticks: 100 mas)

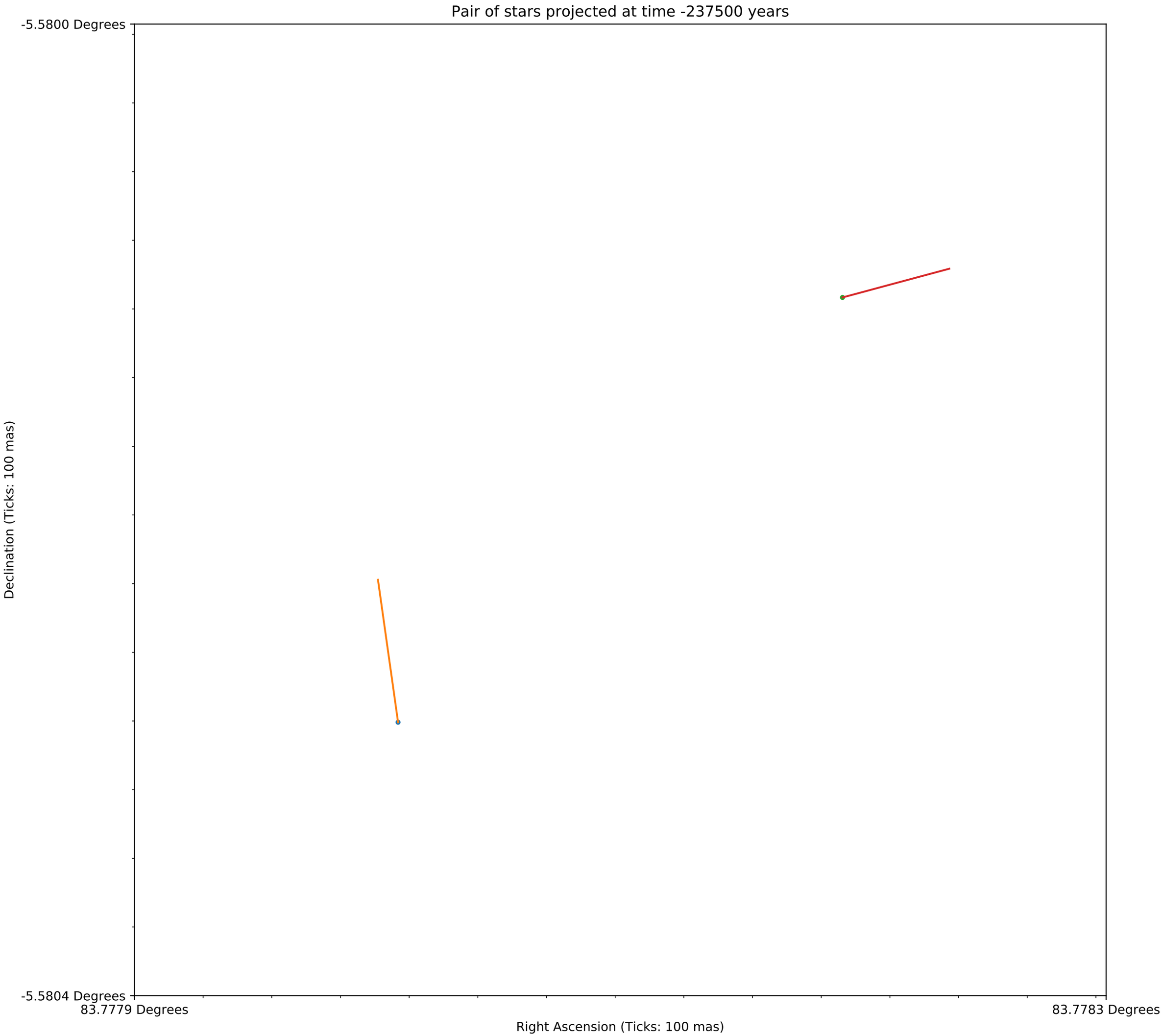
Pair of stars projected at time -227800 years
-6.4625 Degrees
Declination (Ticks: 100 mas)
-6.4634 Degrees
83.7654 Degrees
83.7662 Degrees
Right Ascension (Ticks: 100 mas)

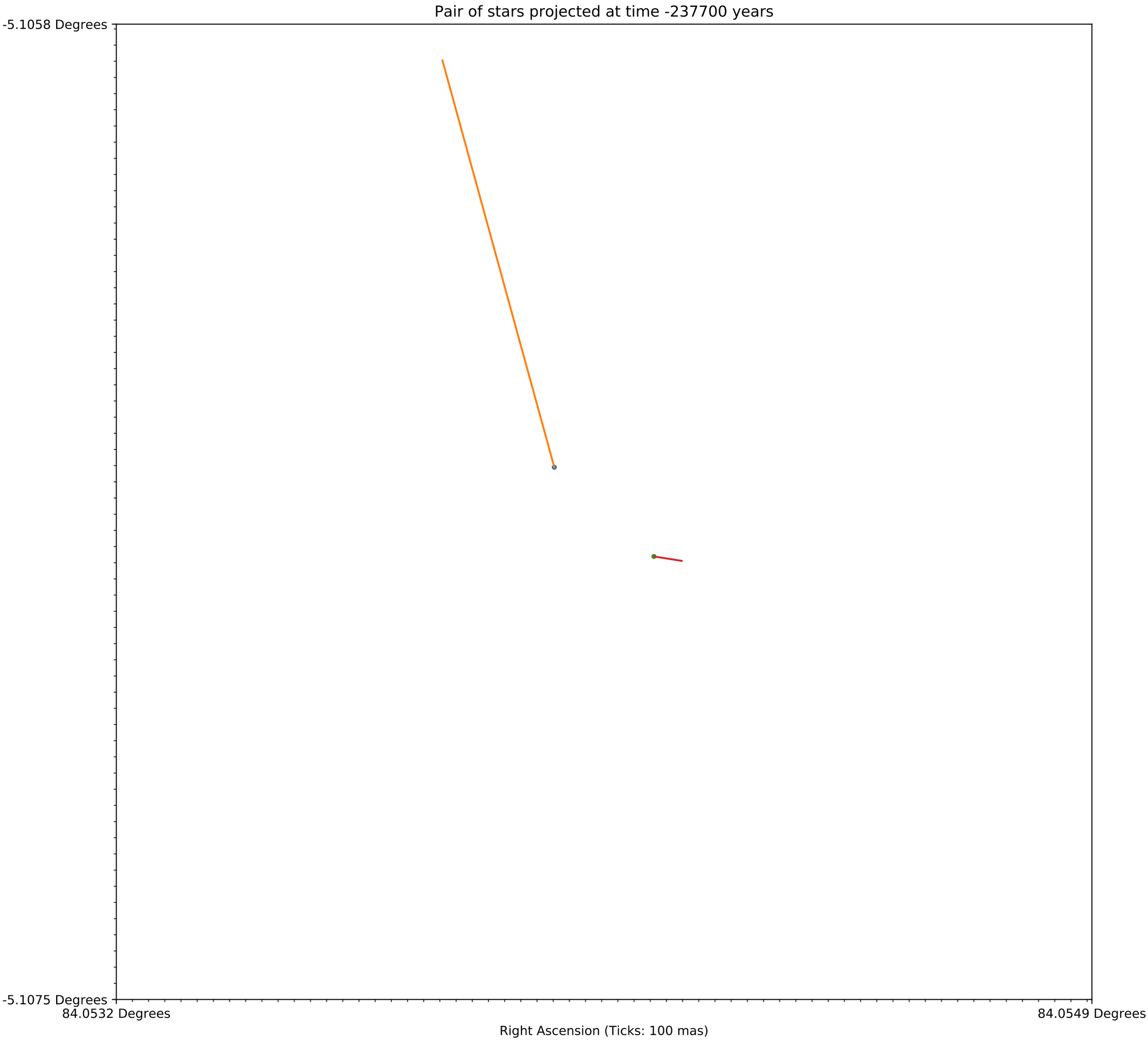

Pair of stars projected at time -229400 years
-4.5287 Degrees
-4.5290 Degrees
83.6871 Degrees
83.6875 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

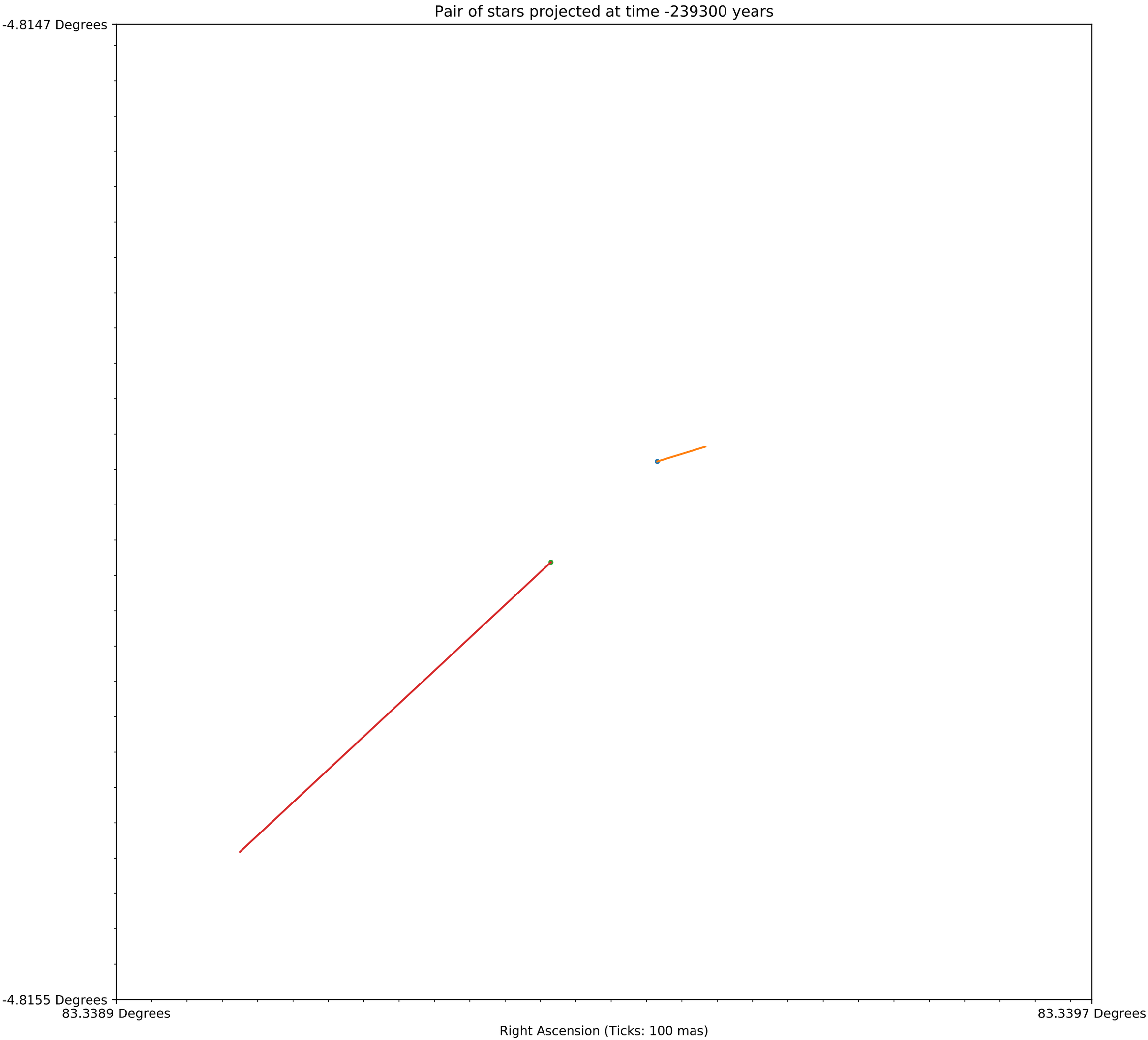
Pair of stars projected at time -231300 years
-5.3666 Degrees
Declination (Ticks: 100 mas)
-5.3681 Degrees
83.7331 Degrees
83.7346 Degrees
Right Ascension (Ticks: 100 mas)

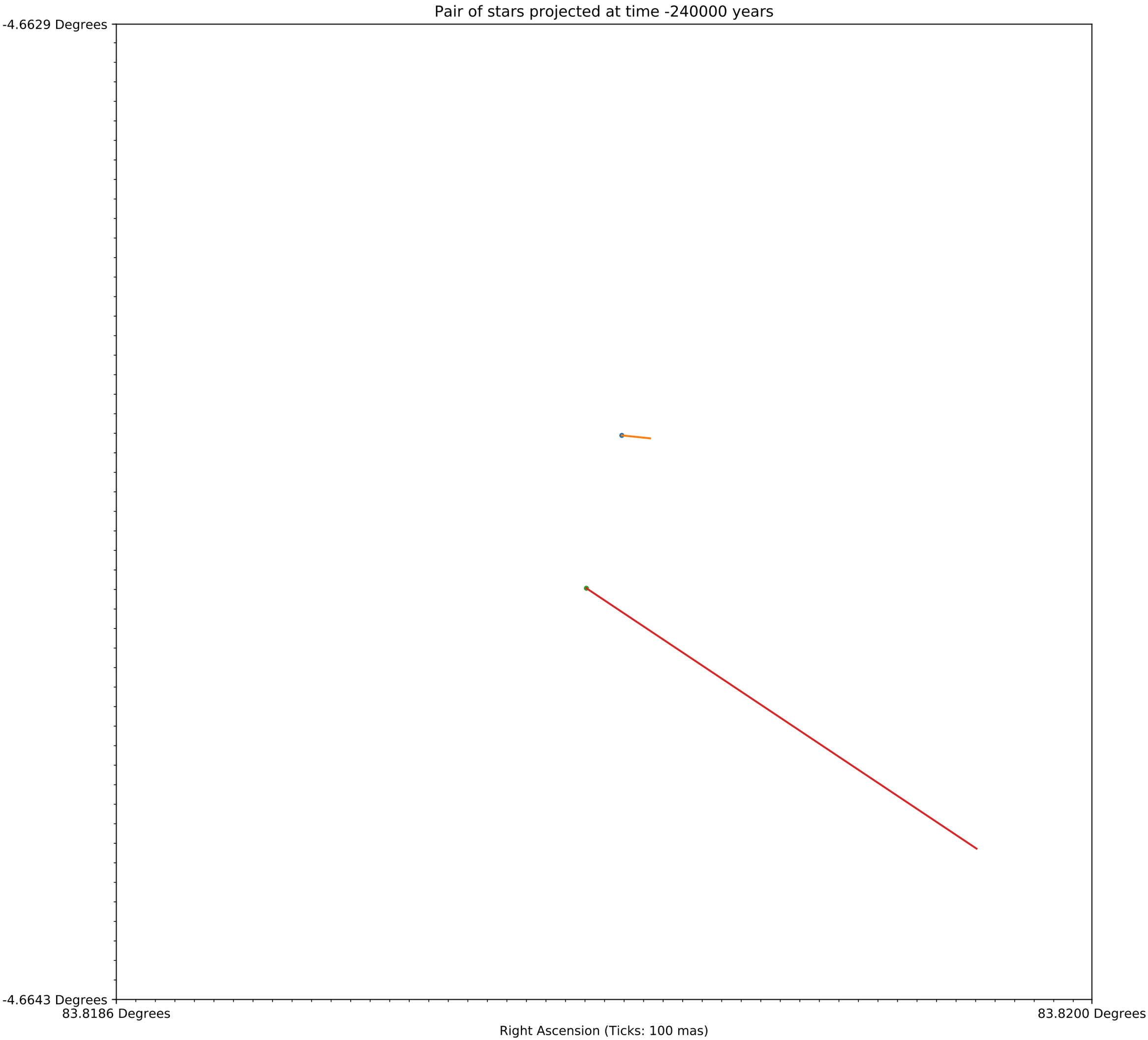

Pair of stars projected at time -231700 years
-6.4322 Degrees
Declination (Ticks: 100 mas)
-6.4334 Degrees
84.0250 Degrees
84.0262 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -233200 years
-5.9487 Degrees
Declination (Ticks: 100 mas)
-5.9495 Degrees
84.0055 Degrees
84.0063 Degrees
Right Ascension (Ticks: 100 mas)

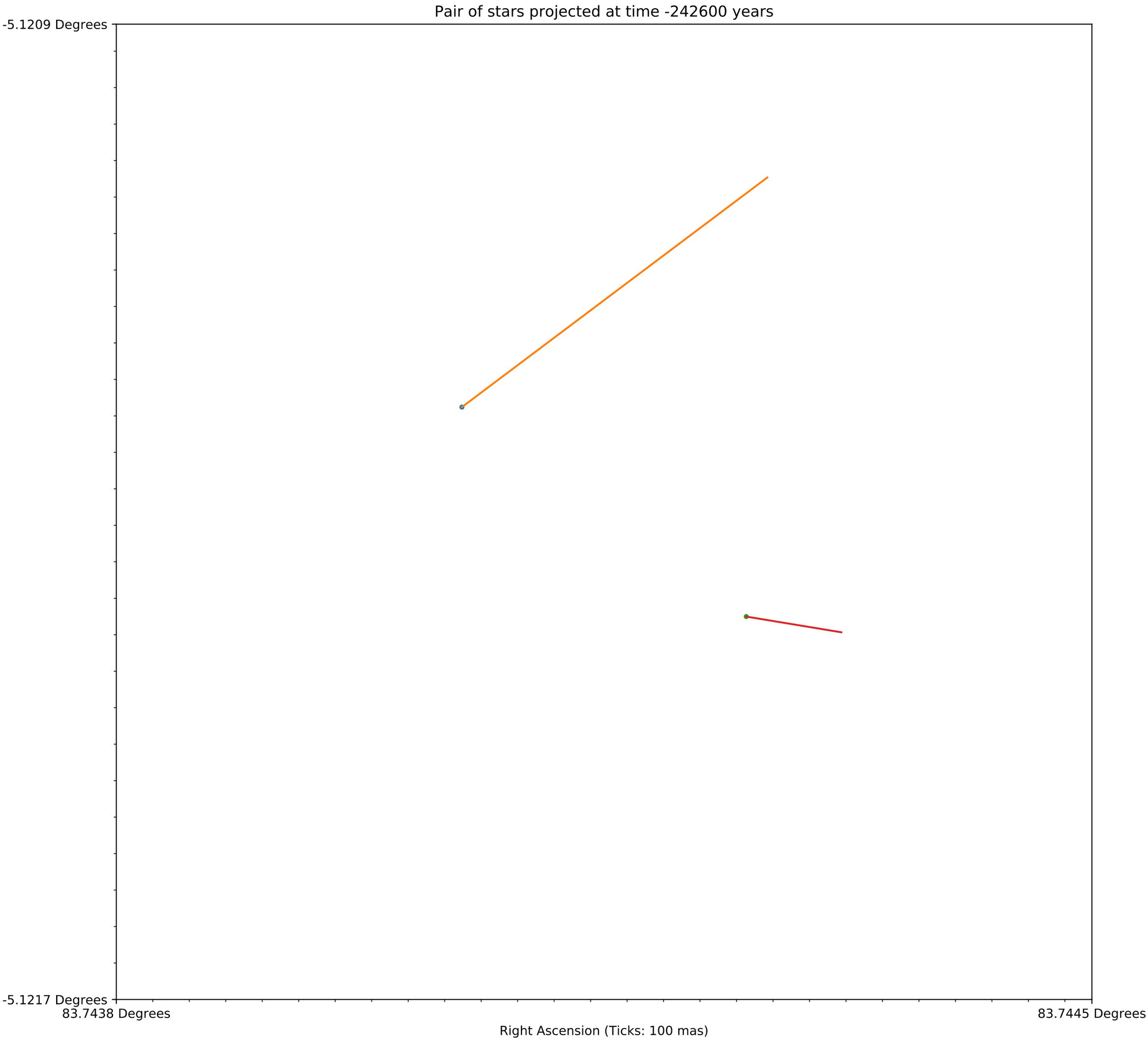

Pair of stars projected at time -237500 years
-5.5800 Degrees
-5.5804 Degrees
83.7779 Degrees
83.7783 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

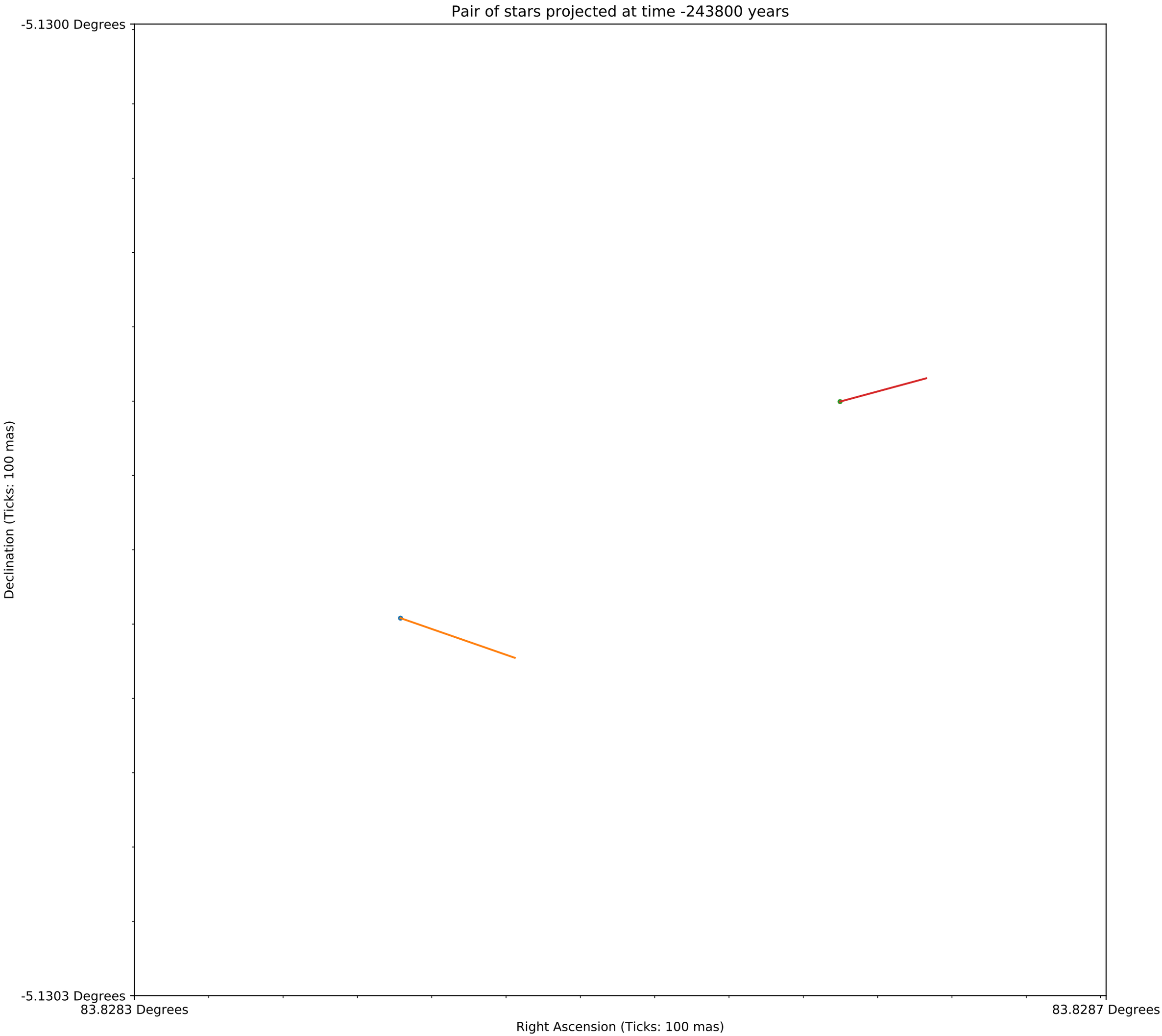

Pair of stars projected at time -237700 years
-5.1058 Degrees
Declination (Ticks: 100 mas)
-5.1075 Degrees
84.0532 Degrees
84.0549 Degrees
Right Ascension (Ticks: 100 mas)

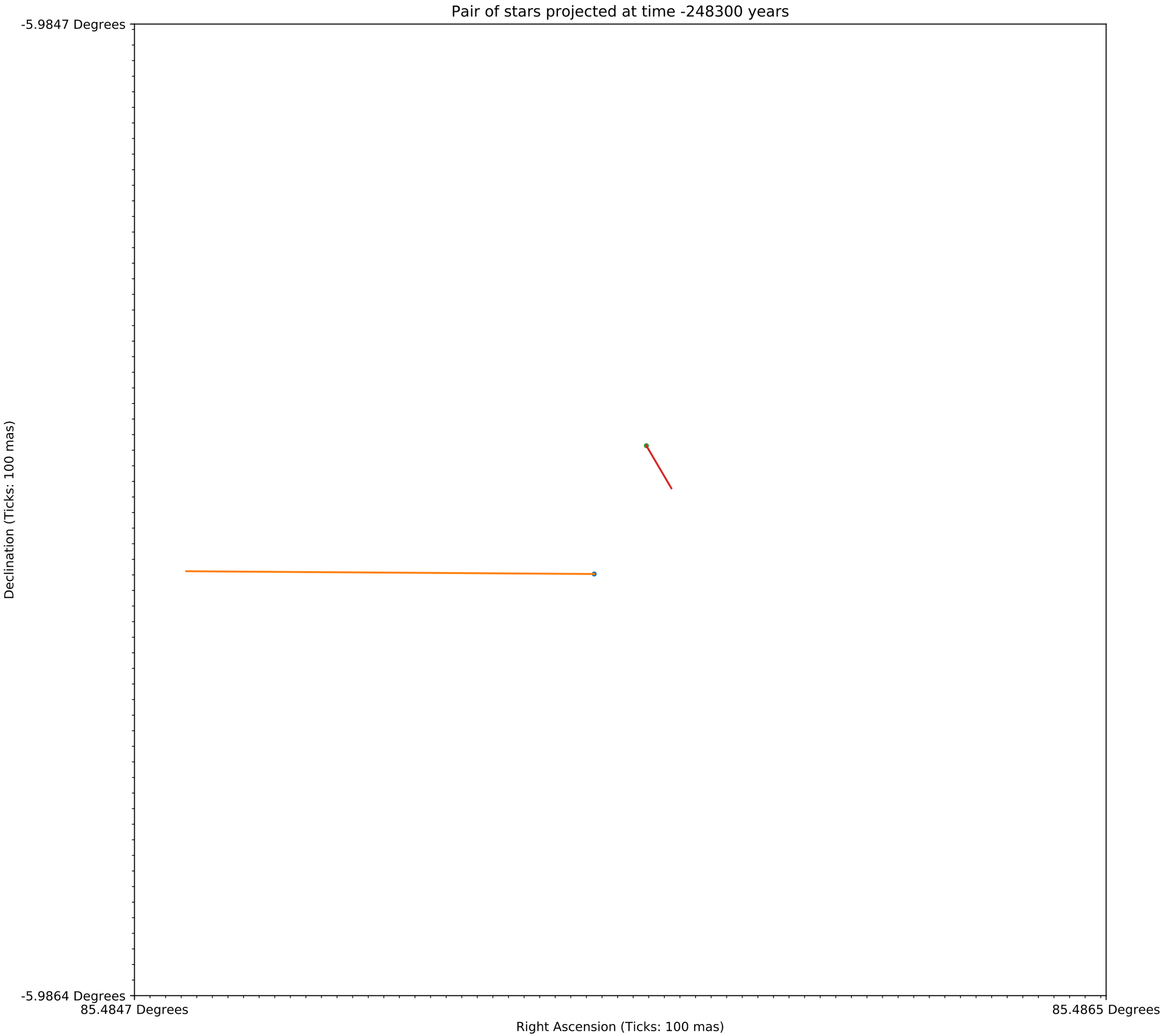

Pair of stars projected at time -239300 years
-4.8147 Degrees
Declination (Ticks: 100 mas)
-4.8155 Degrees
83.3389 Degrees
83.3397 Degrees
Right Ascension (Ticks: 100 mas)

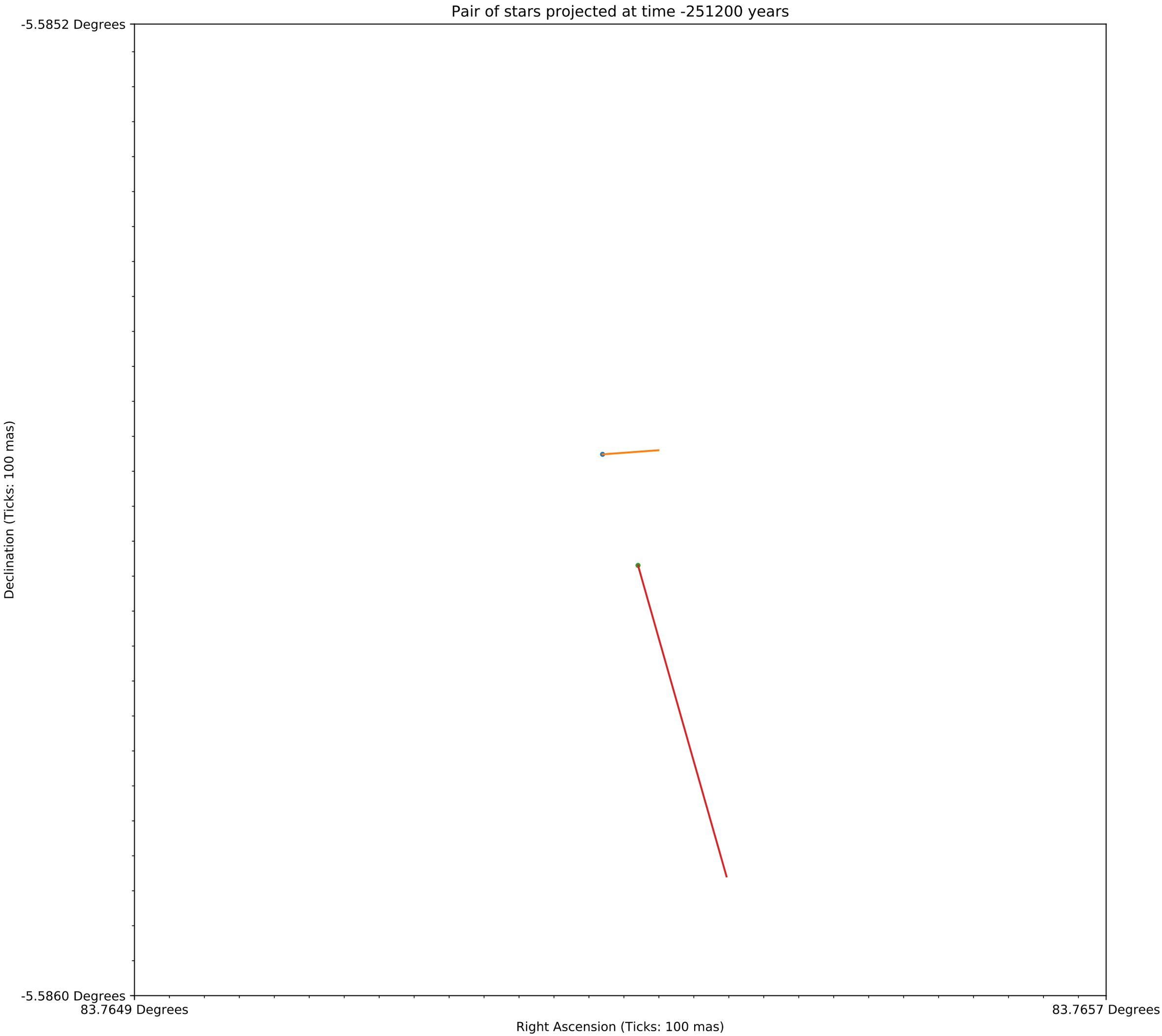

Pair of stars projected at time -240000 years
-4.6629 Degrees
-4.6643 Degrees
83.8186 Degrees
83.8200 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

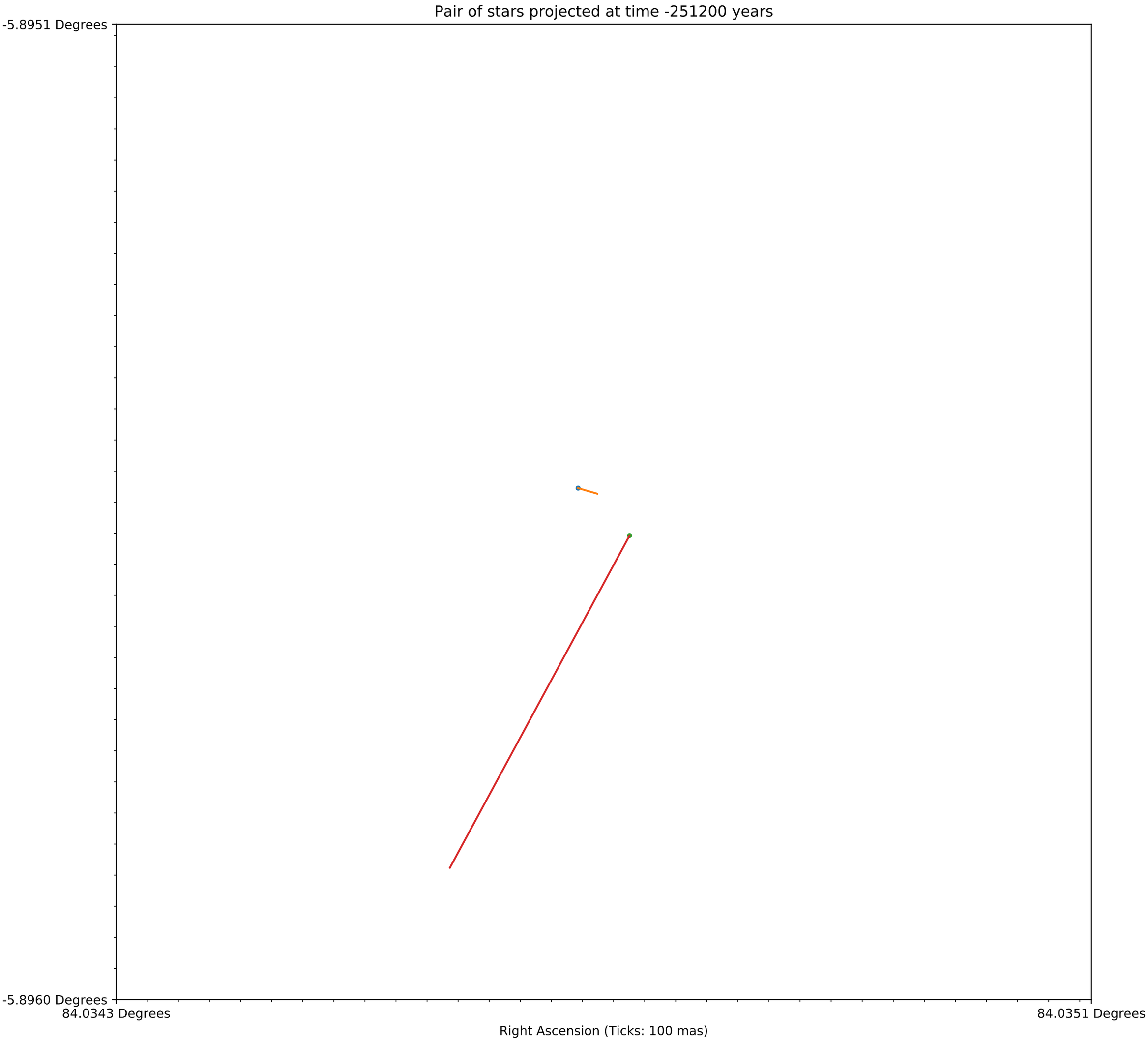
Pair of stars projected at time -241600 years
-6.6707 Degrees
-6.6713 Degrees
83.3667 Degrees
83.3673 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -242600 years
-5.1209 Degrees
Declination (Ticks: 100 mas)
-5.1217 Degrees
83.7438 Degrees
83.7445 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -243800 years
-5.1300 Degrees
-5.1303 Degrees
83.8283 Degrees
83.8287 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

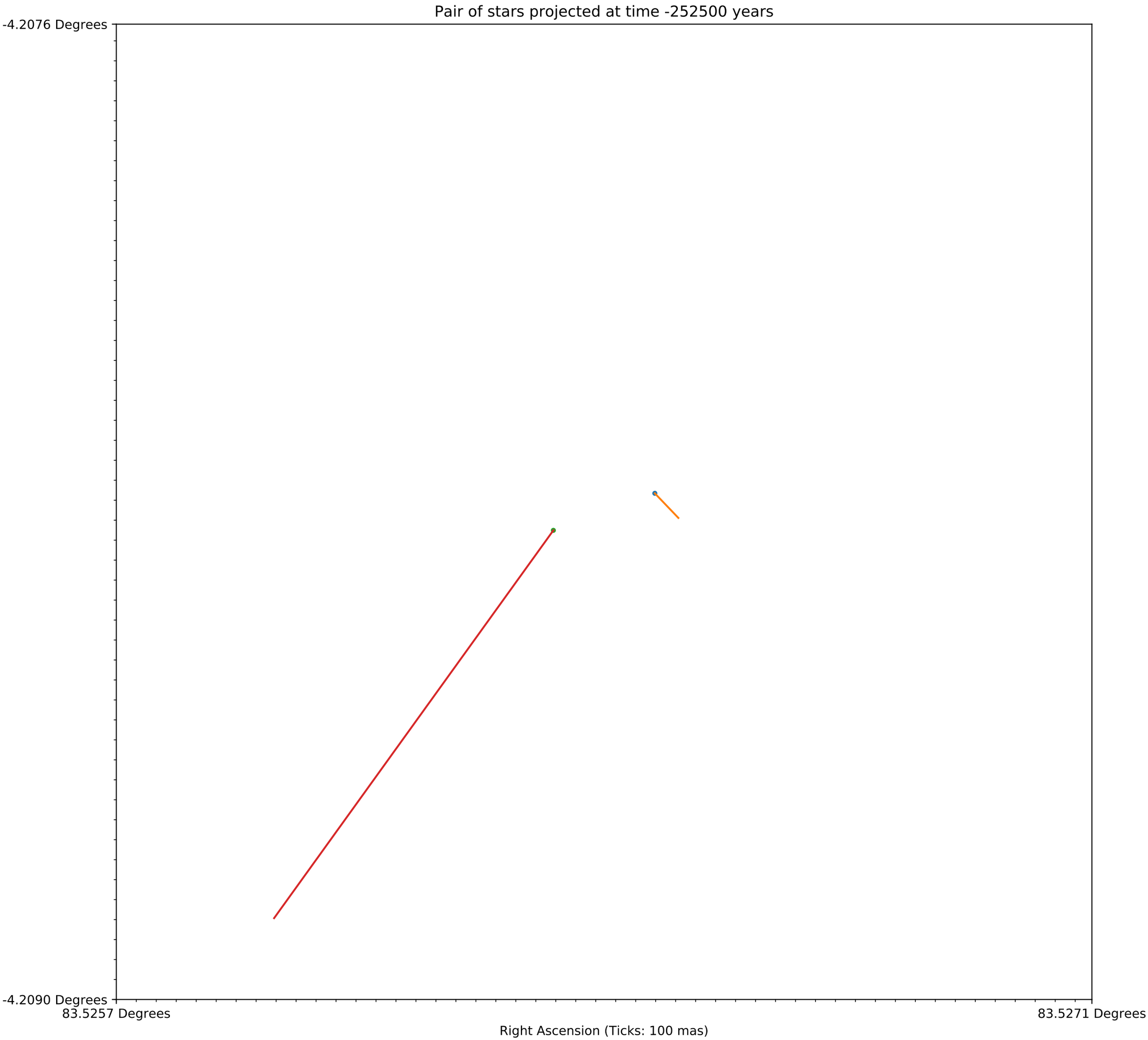

Pair of stars projected at time -248300 years
-5.9847 Degrees
Declination (Ticks: 100 mas)
-5.9864 Degrees
85.4847 Degrees
85.4865 Degrees
Right Ascension (Ticks: 100 mas)

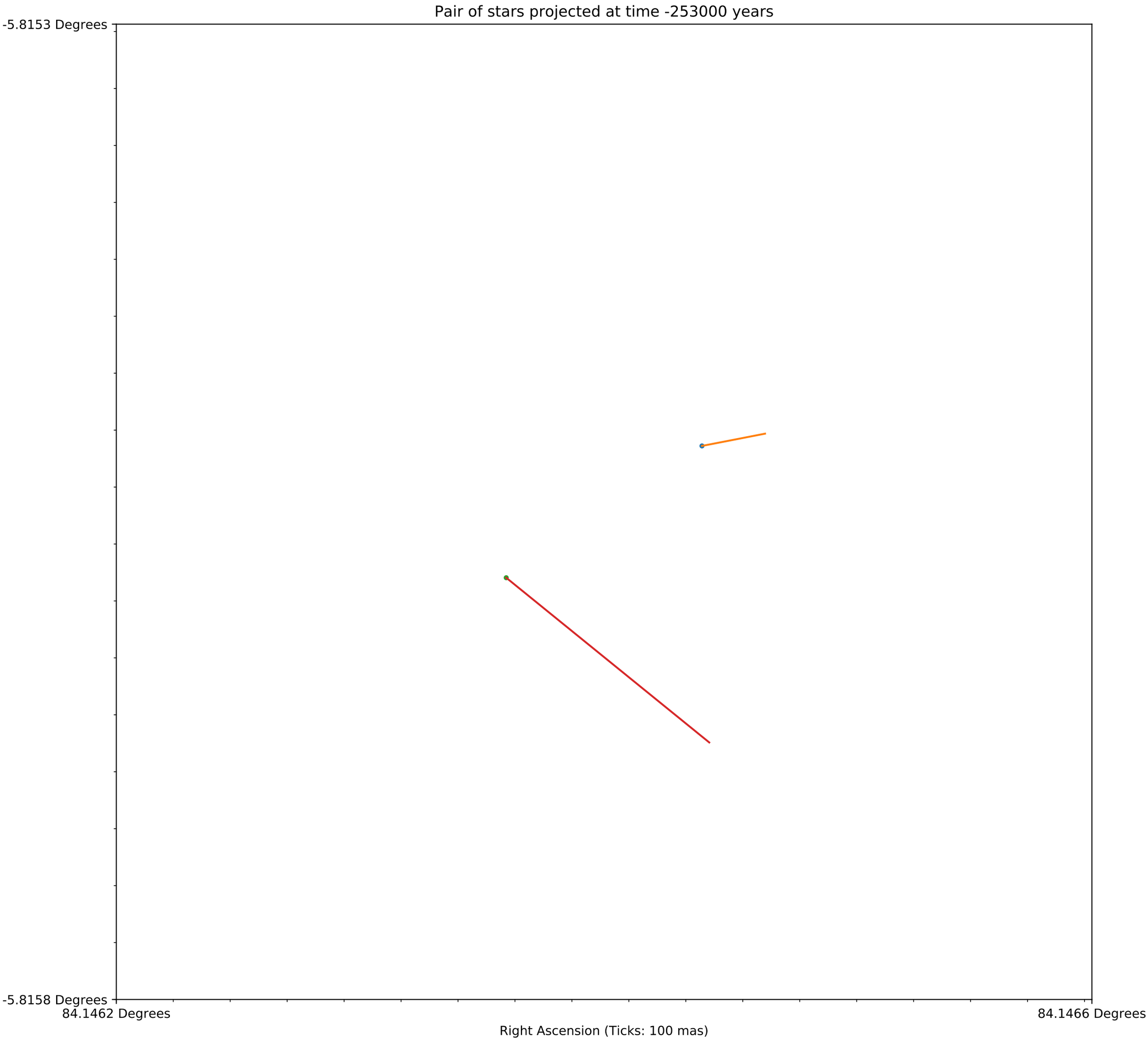

Pair of stars projected at time -251200 years
-5.5852 Degrees
-5.5860 Degrees
83.7649 Degrees
83.7657 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

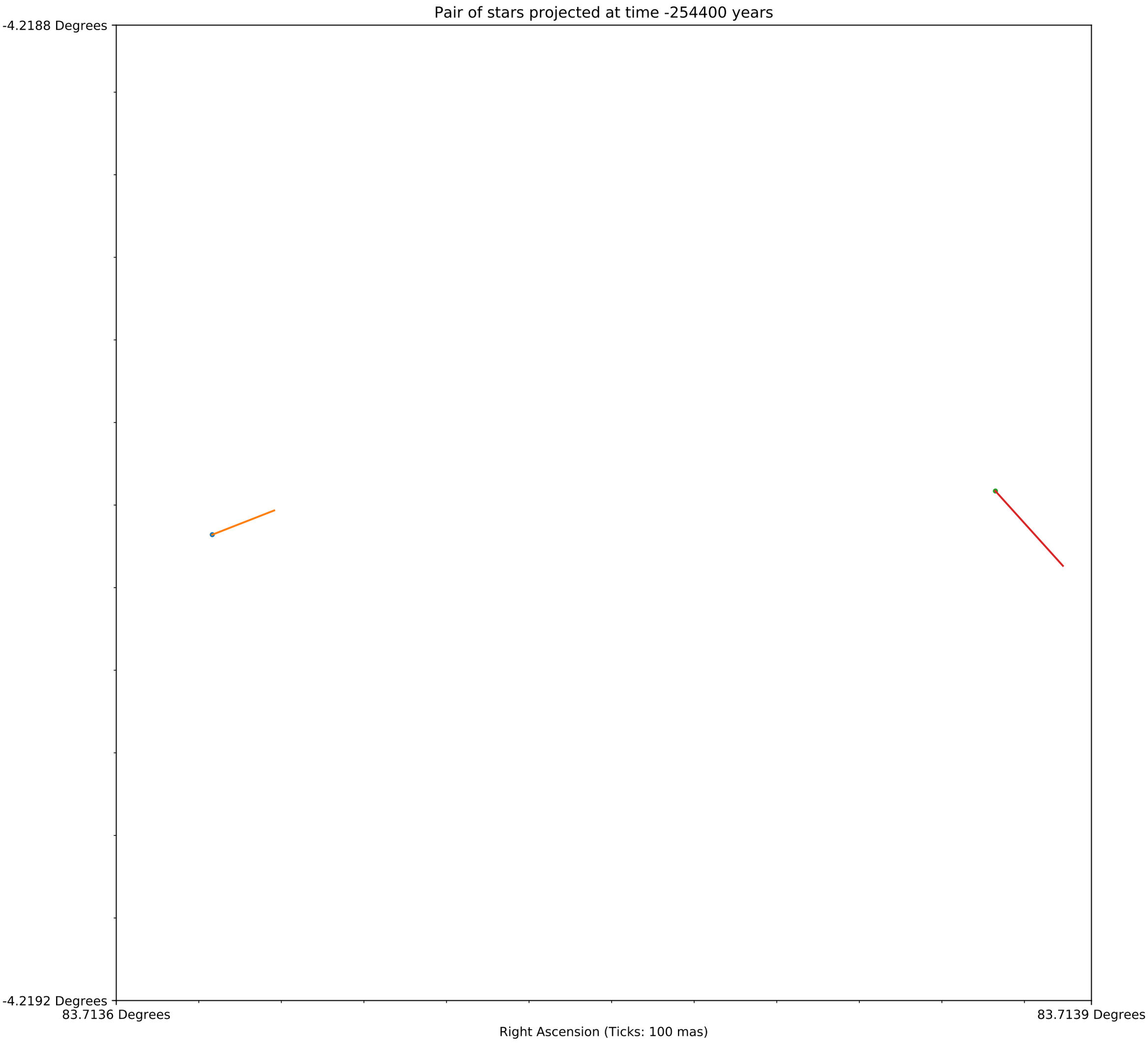

Pair of stars projected at time -251200 years
-5.8951 Degrees
Declination (Ticks: 100 mas)
-5.8960 Degrees
84.0343 Degrees
84.0351 Degrees
Right Ascension (Ticks: 100 mas)

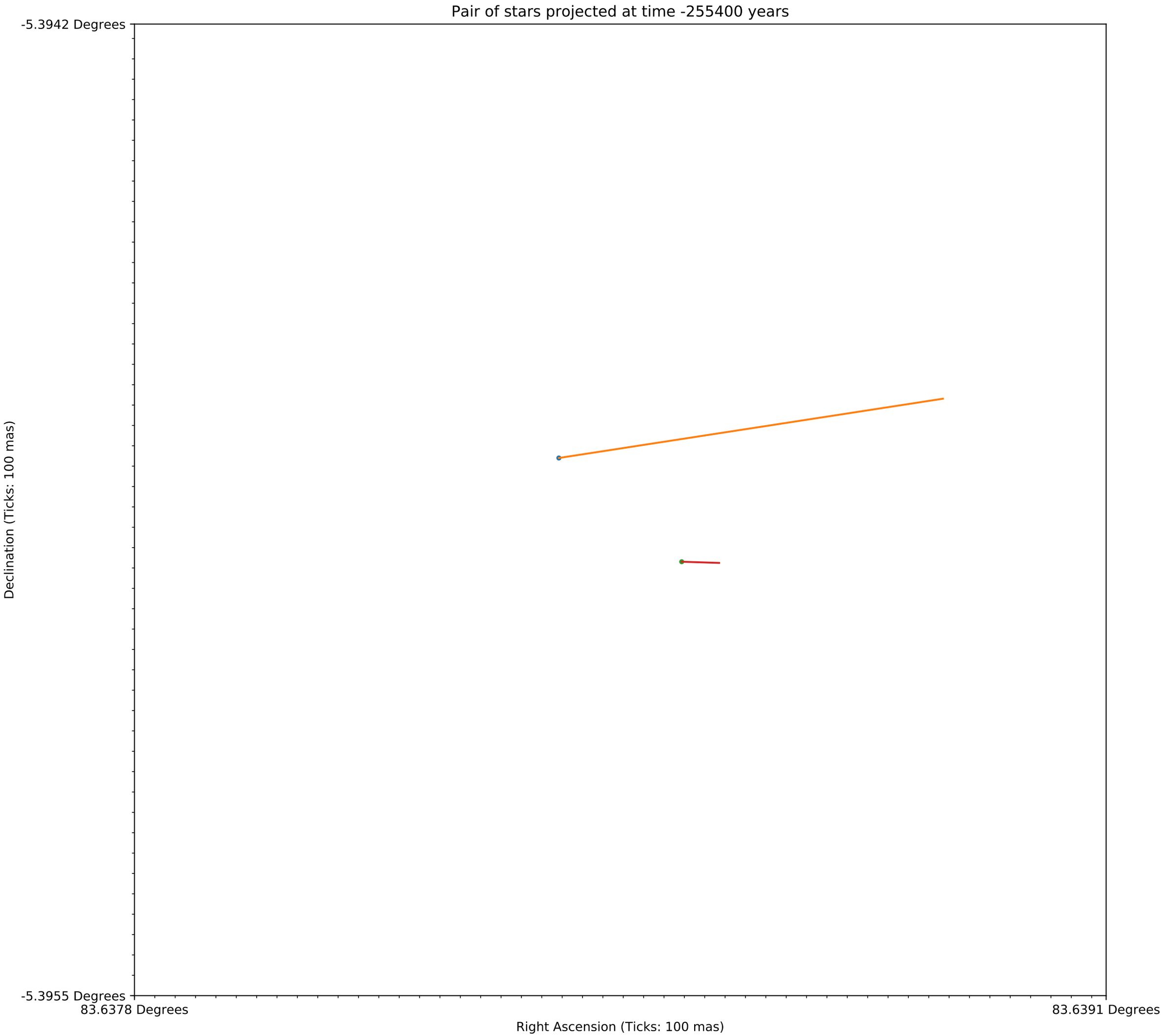
Pair of stars projected at time -252000 years
-4.3628 Degrees
Declination (Ticks: 100 mas)
-4.3633 Degrees
83.2867 Degrees
83.2871 Degrees
Right Ascension (Ticks: 100 mas)

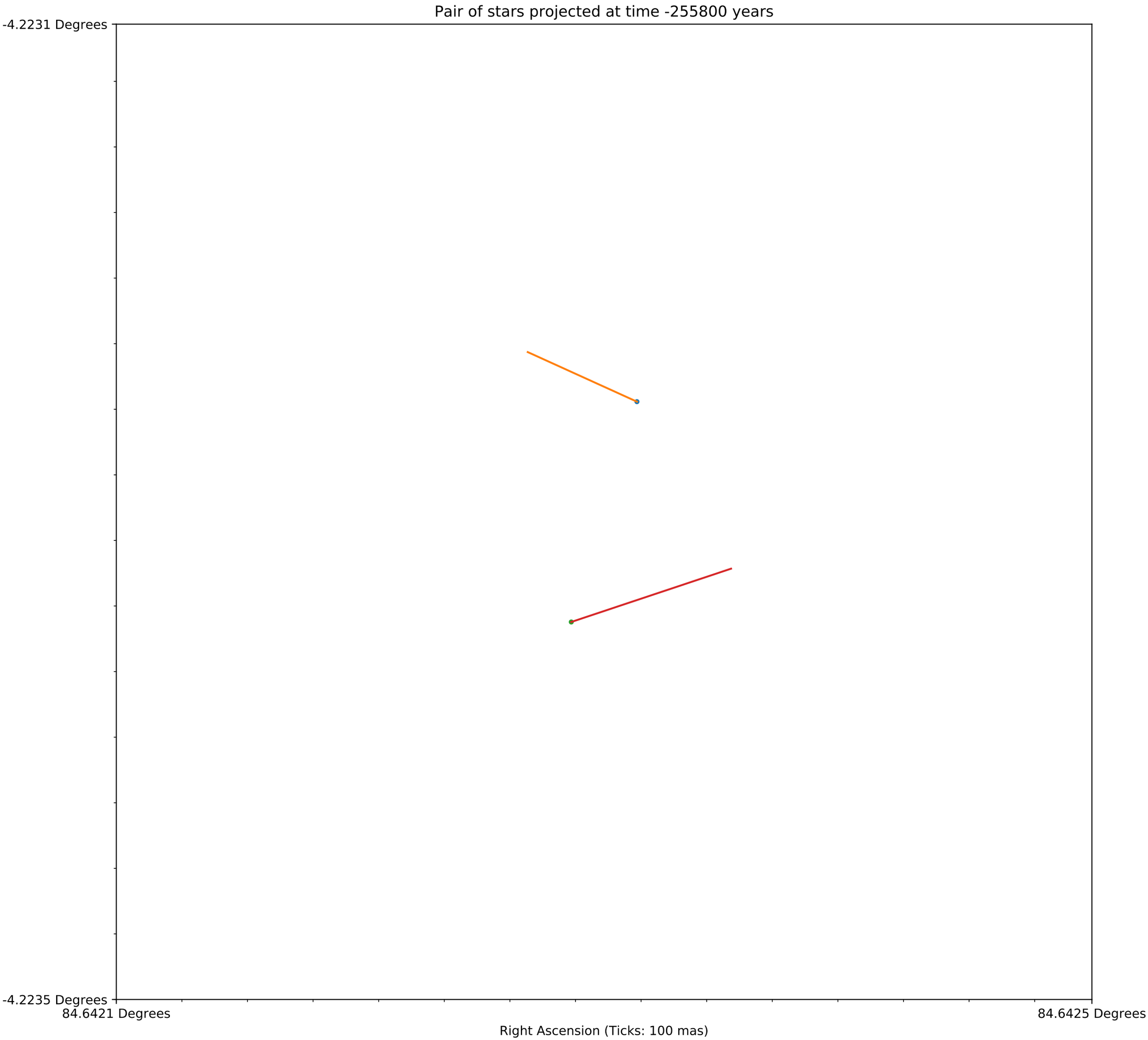
Pair of stars projected at time -252300 years
-4.8598 Degrees
Declination (Ticks: 100 mas)
-4.8602 Degrees
84.0593 Degrees
84.0597 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -252500 years
-4.2076 Degrees
Declination (Ticks: 100 mas)
-4.2090 Degrees
83.5257 Degrees
83.5271 Degrees
Right Ascension (Ticks: 100 mas)

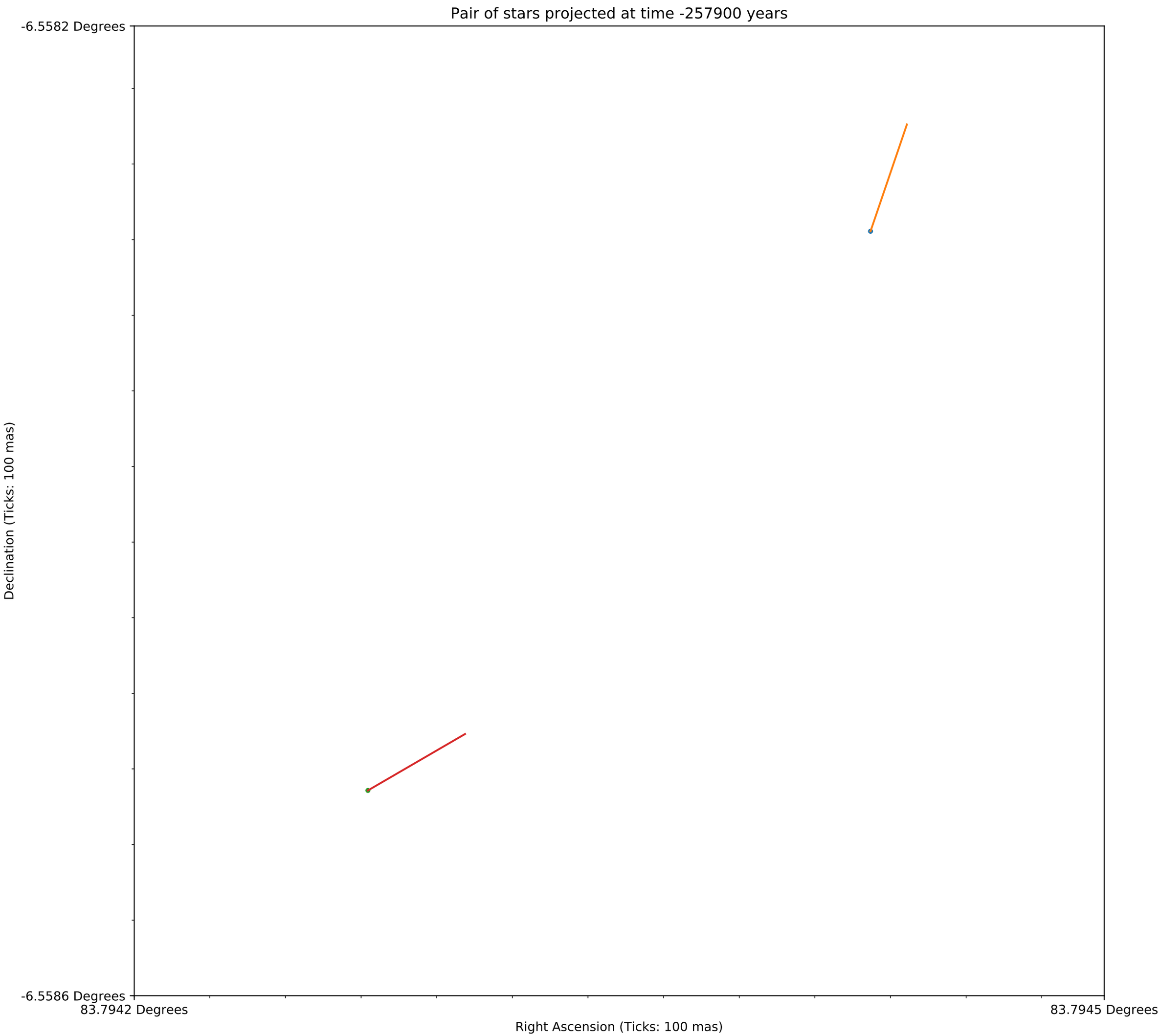

Pair of stars projected at time -253000 years
-5.8153 Degrees
Declination (Ticks: 100 mas)
-5.8158 Degrees
84.1462 Degrees
84.1466 Degrees
Right Ascension (Ticks: 100 mas)

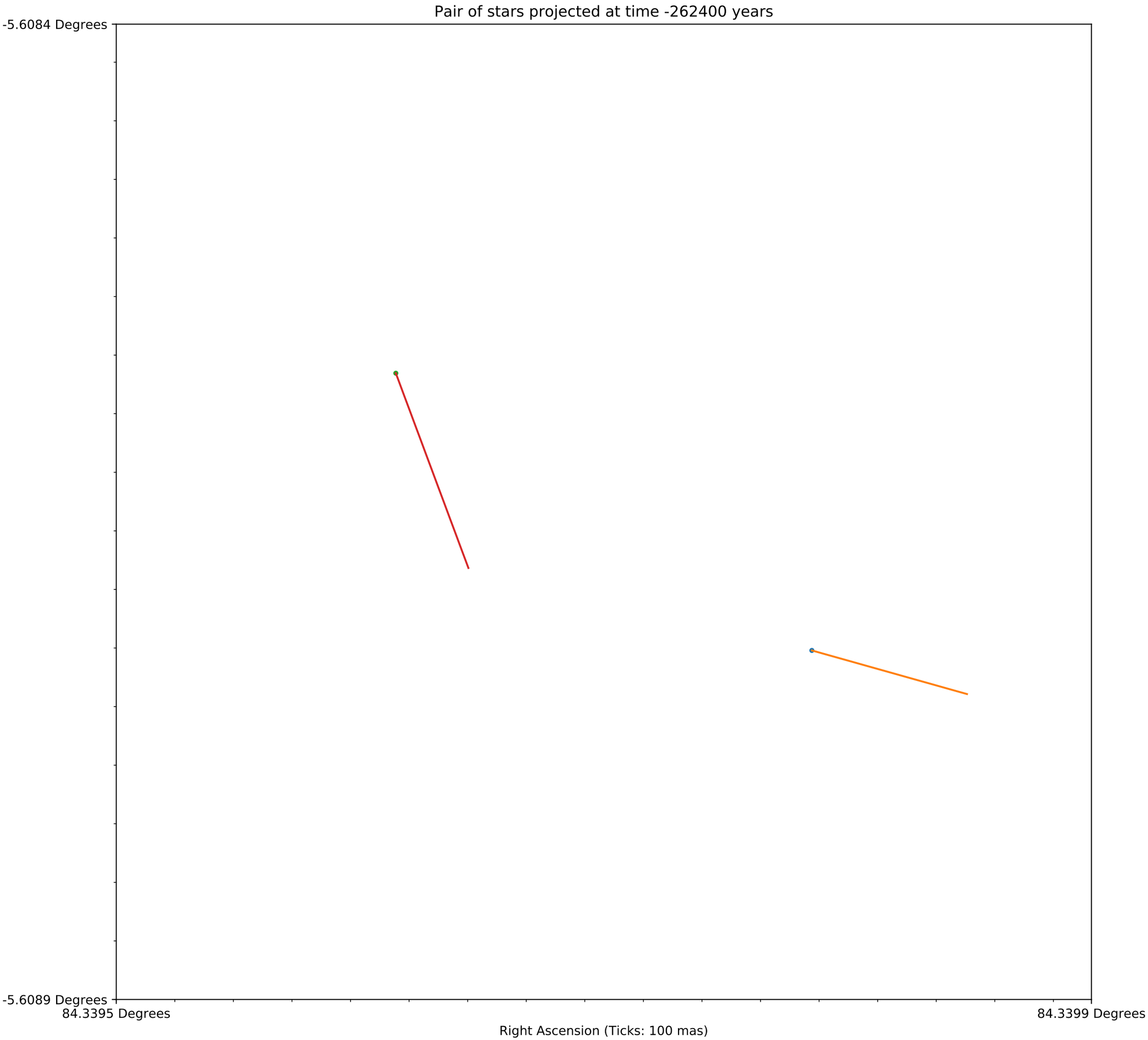

Pair of stars projected at time -254400 years
-4.2188 Degrees
-4.2192 Degrees
83.7136 Degrees
83.7139 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

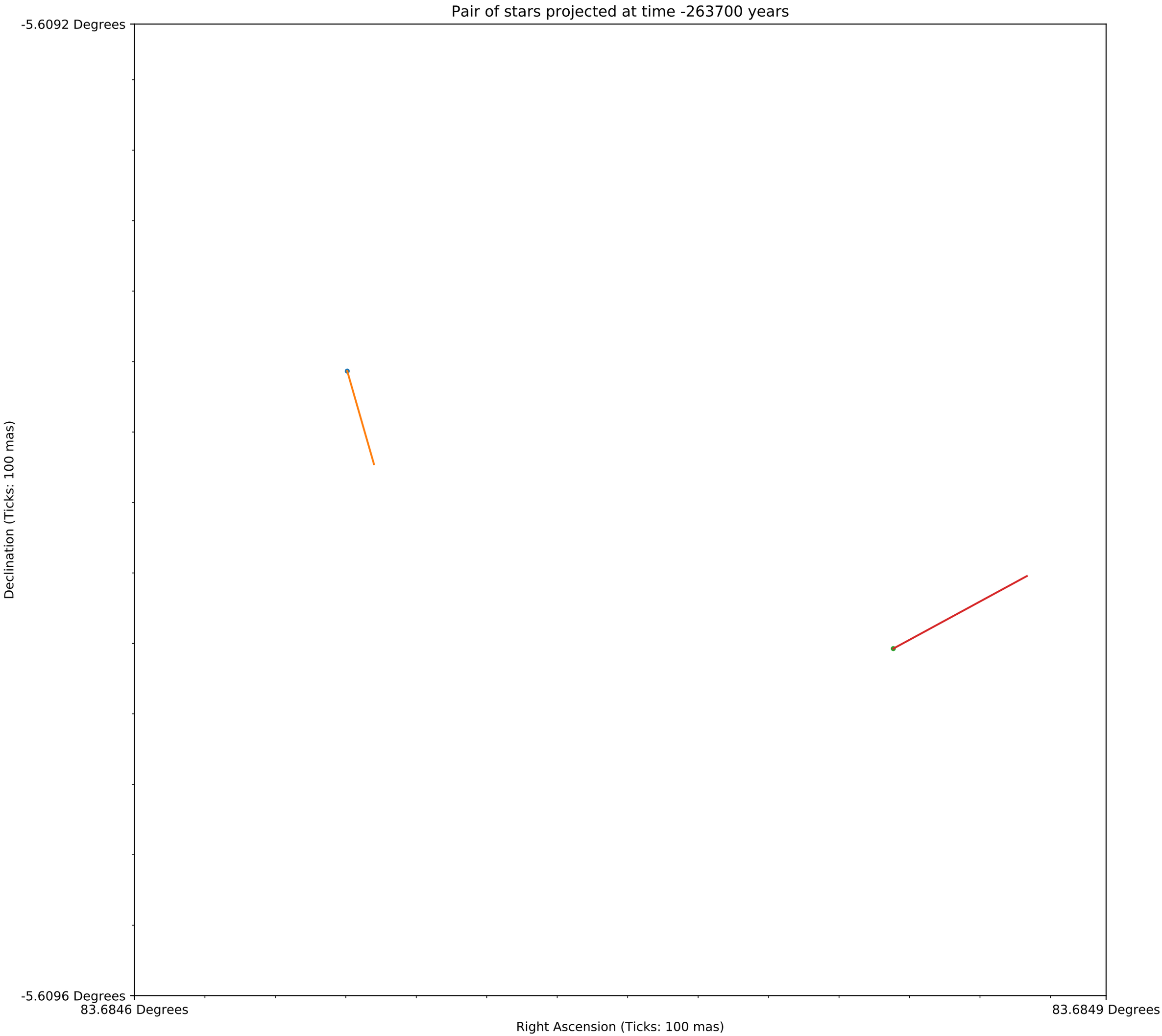

Pair of stars projected at time -255400 years
-5.3942 Degrees
-5.3955 Degrees
83.6378 Degrees
83.6391 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

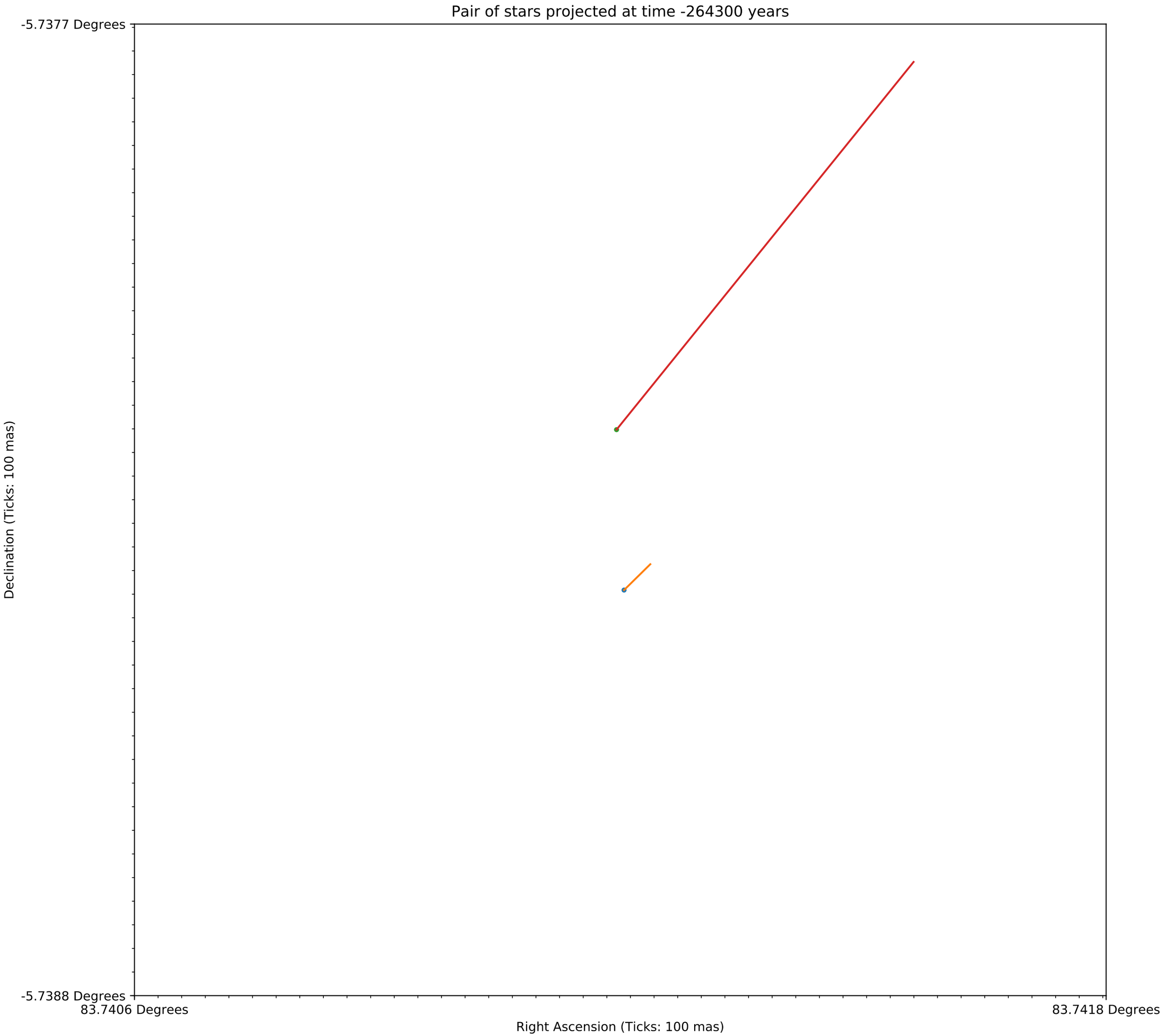

Pair of stars projected at time -255800 years
-4.2231 Degrees
Declination (Ticks: 100 mas)
-4.2235 Degrees
84.6421 Degrees
84.6425 Degrees
Right Ascension (Ticks: 100 mas)

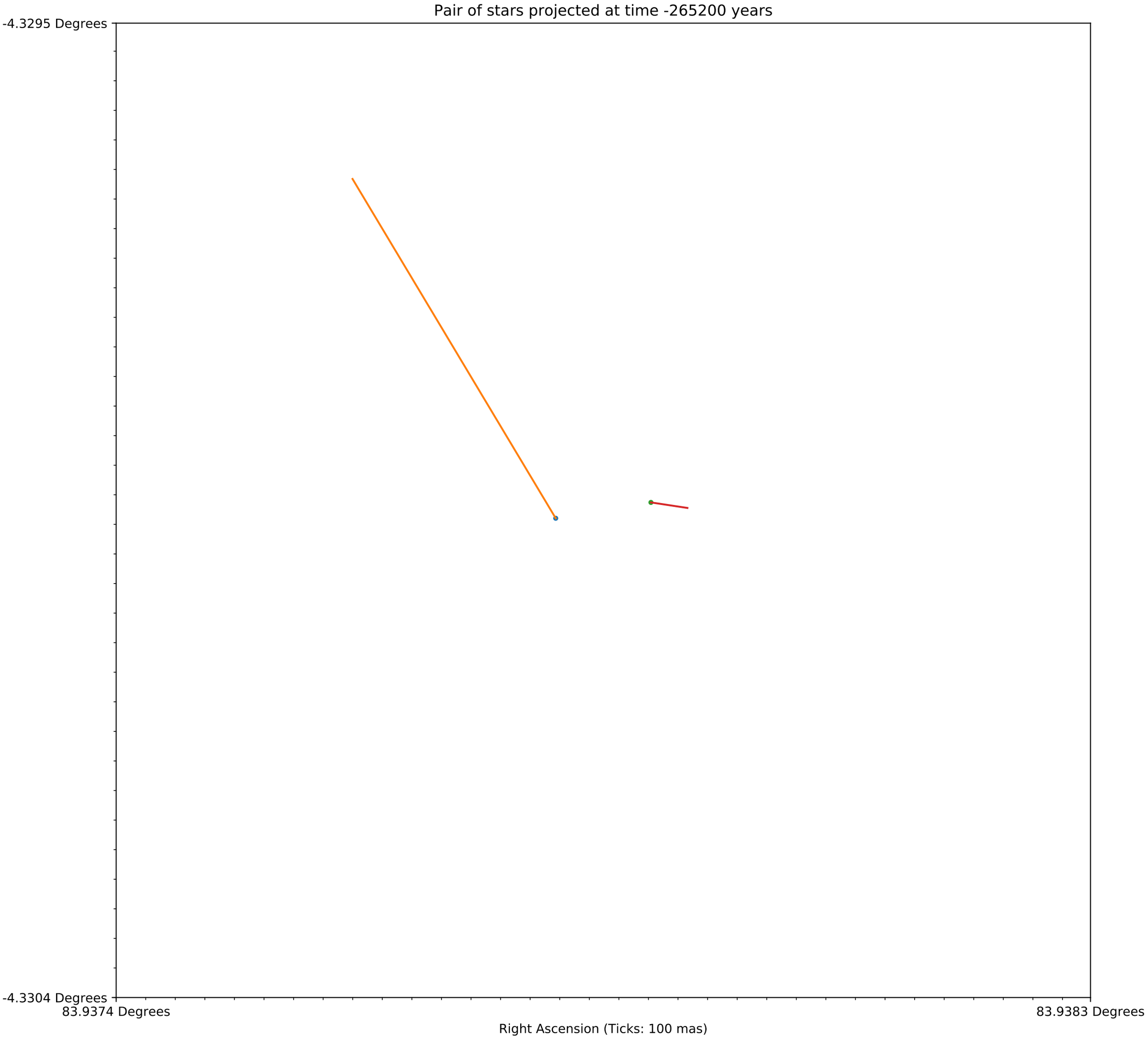
Pair of stars projected at time -257900 years
-4.7006 Degrees
Declination (Ticks: 100 mas)
-4.7013 Degrees
85.2508 Degrees
85.2515 Degrees
Right Ascension (Ticks: 100 mas)

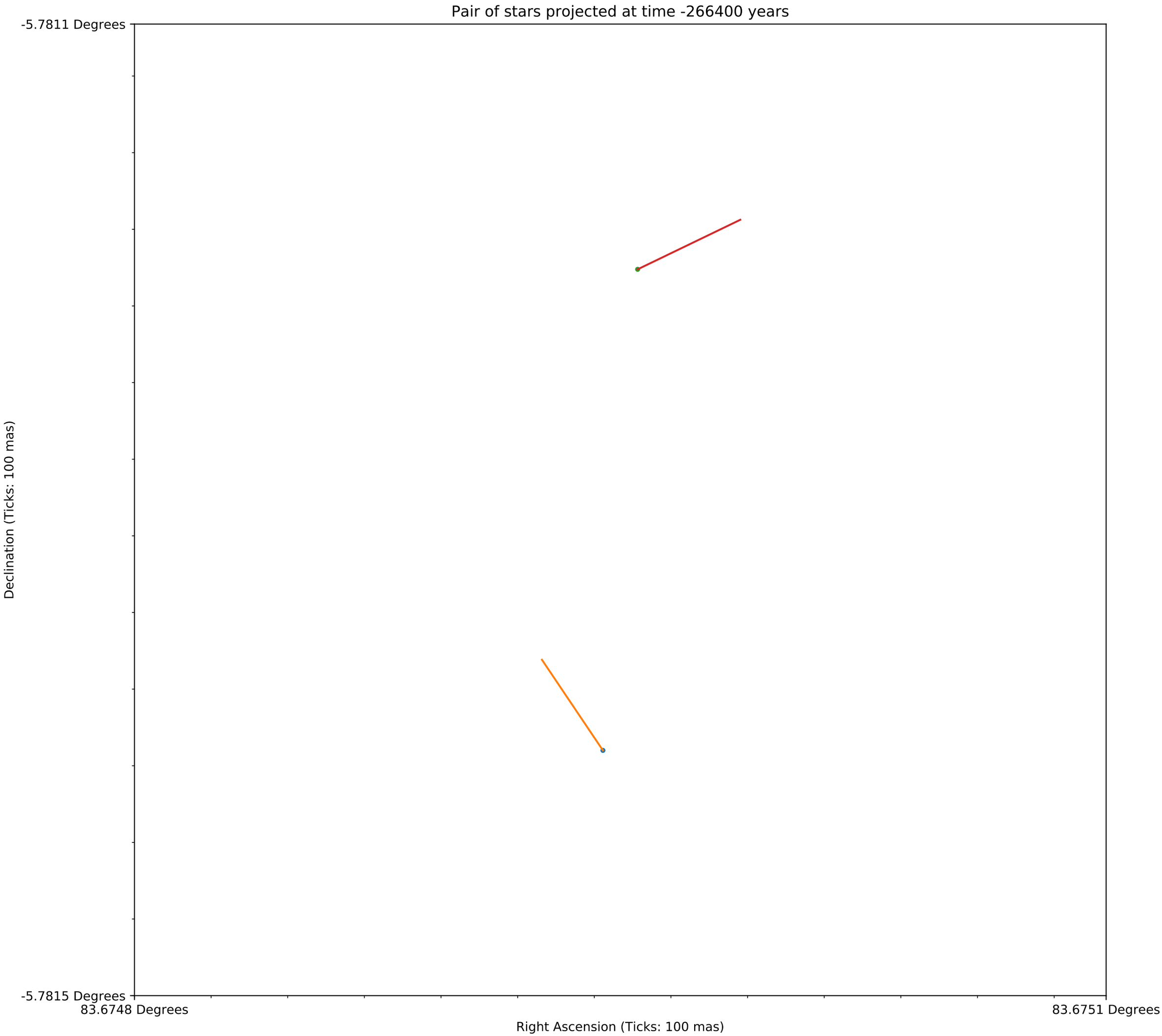

Pair of stars projected at time -257900 years
-6.5582 Degrees
-6.5586 Degrees
83.7942 Degrees
83.7945 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -262400 years
-5.6084 Degrees
Declination (Ticks: 100 mas)
-5.6089 Degrees
84.3395 Degrees
84.3399 Degrees
Right Ascension (Ticks: 100 mas)

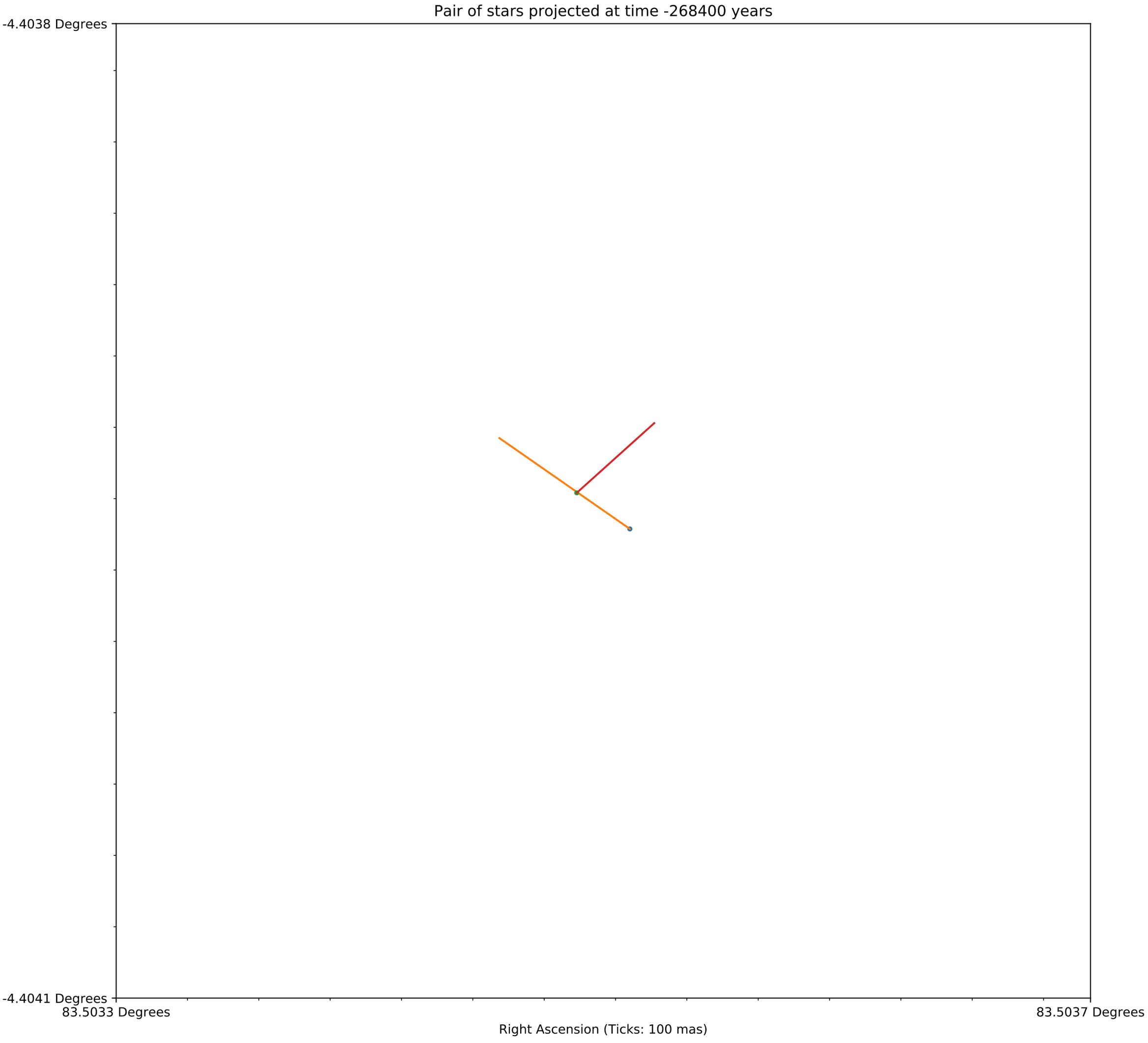

Pair of stars projected at time -263700 years
-5.6092 Degrees
-5.6096 Degrees
83.6846 Degrees
83.6849 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

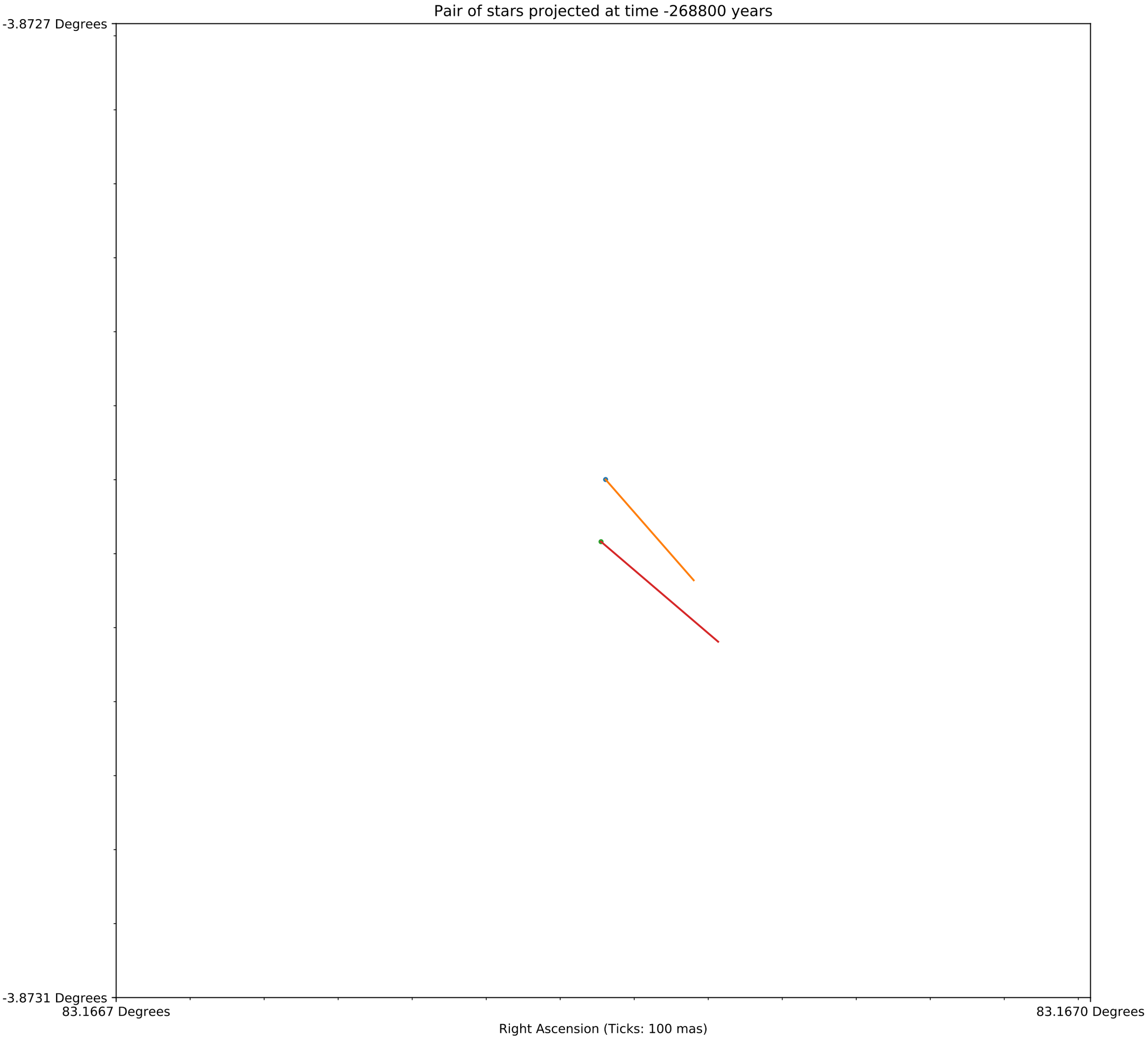

Pair of stars projected at time -264300 years
-5.7377 Degrees
-5.7388 Degrees
83.7406 Degrees
83.7418 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

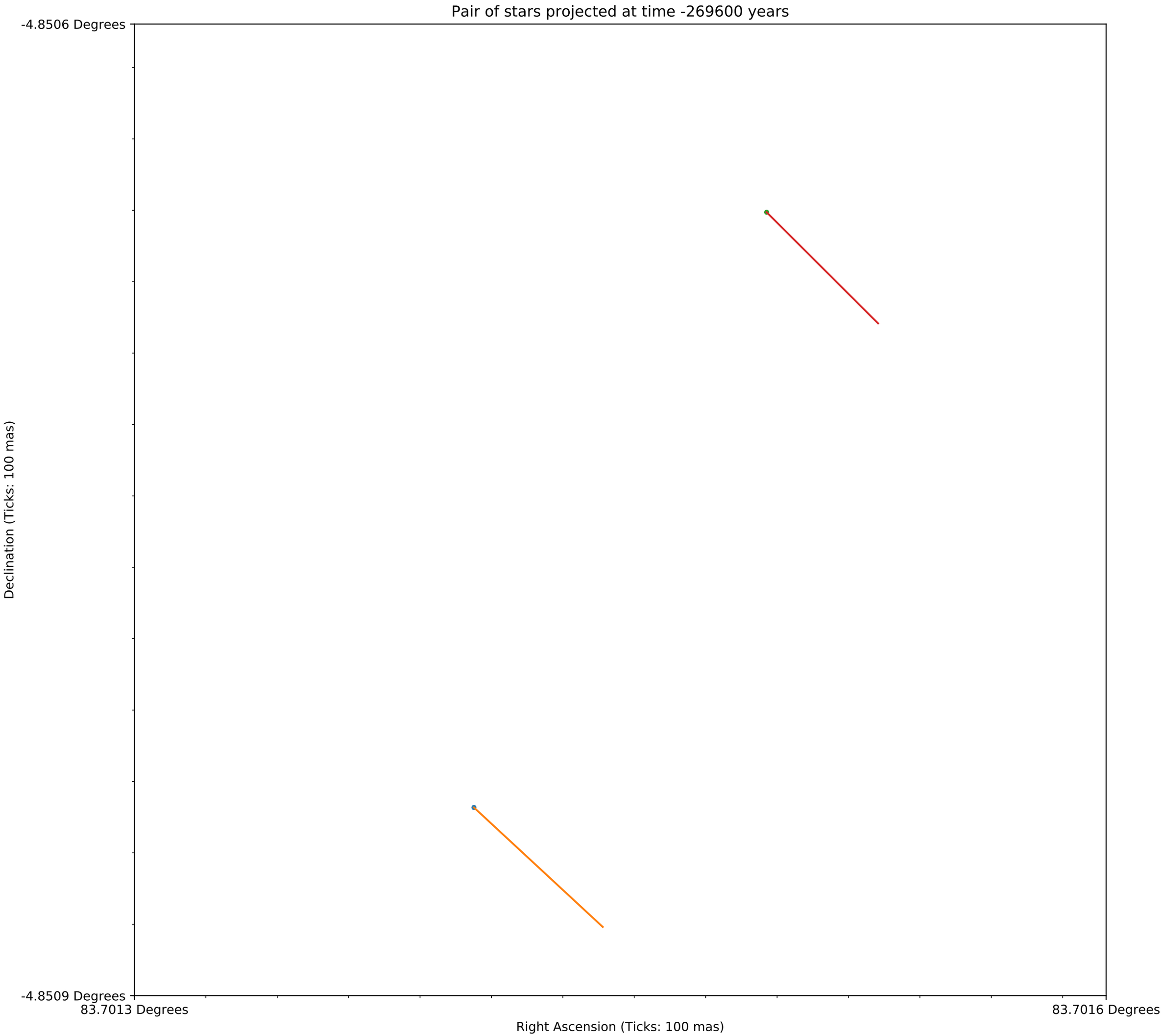

Pair of stars projected at time -265200 years
-4.3295 Degrees
-4.3304 Degrees
83.9374 Degrees
83.9383 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

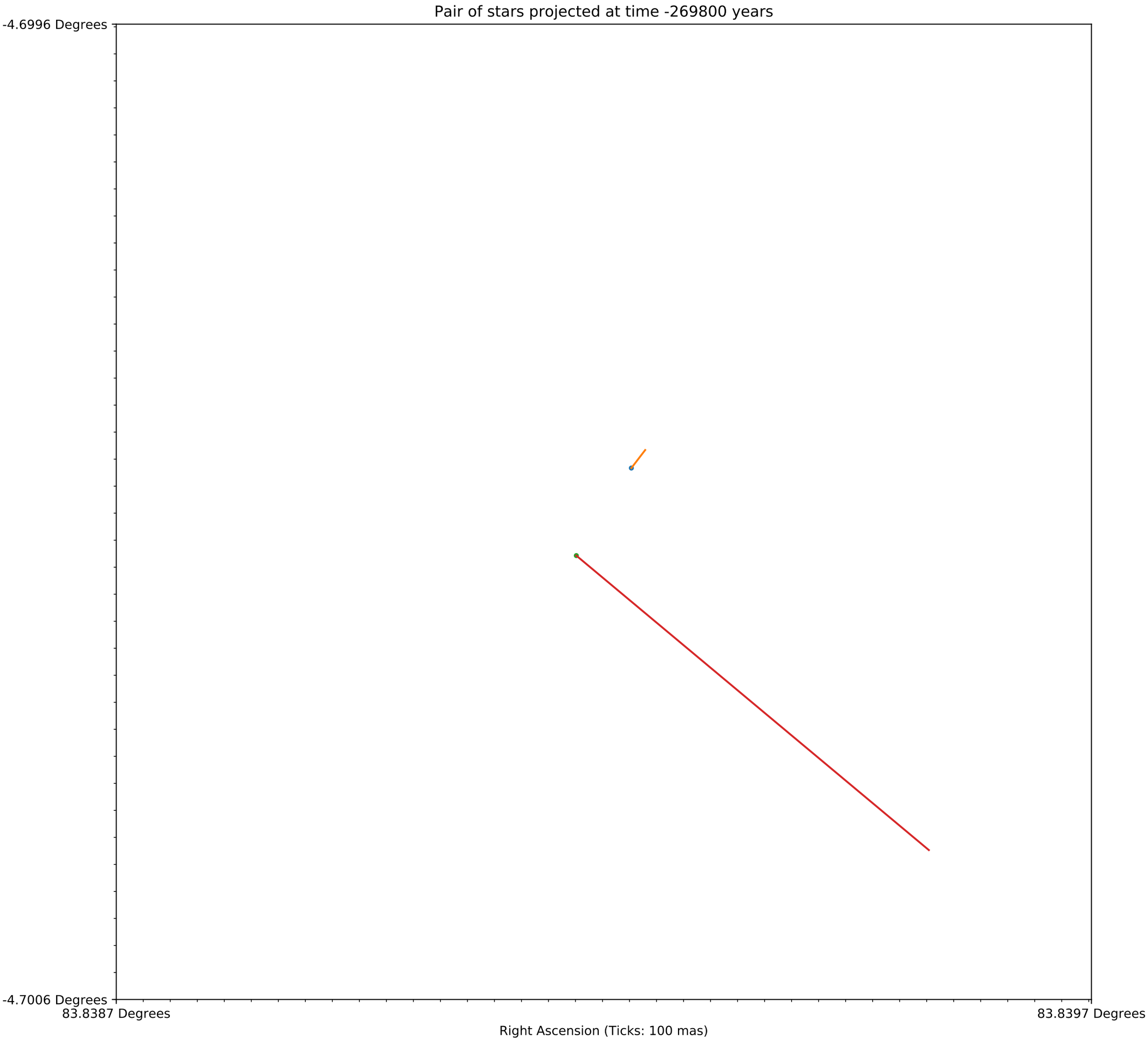

Pair of stars projected at time -266400 years
-5.7811 Degrees
Declination (Ticks: 100 mas)
-5.7815 Degrees
83.6748 Degrees
83.6751 Degrees
Right Ascension (Ticks: 100 mas)

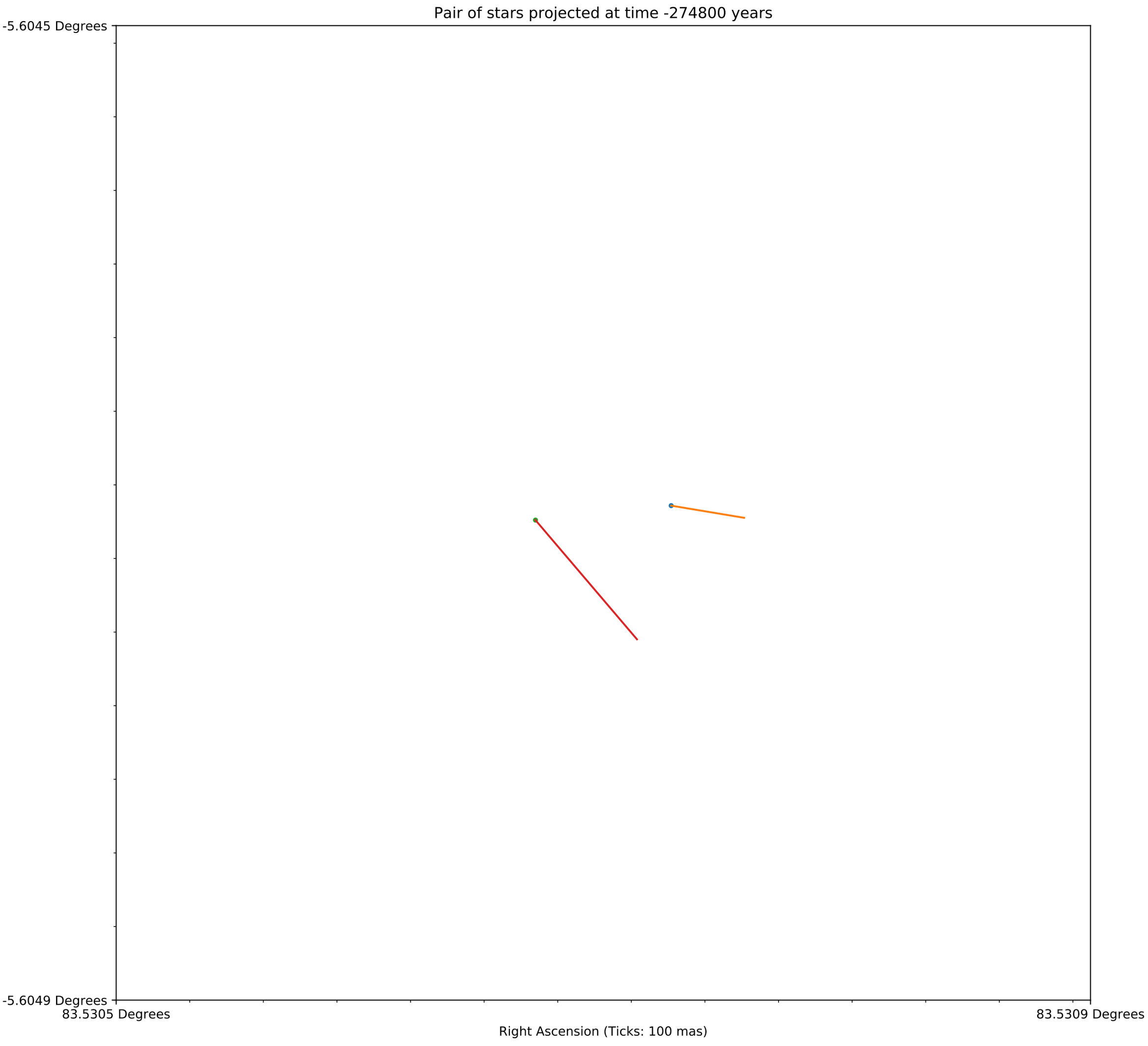
Pair of stars projected at time -267800 years
-4.2969 Degrees
Declination (Ticks: 100 mas)
-4.2986 Degrees
82.4764 Degrees
82.4782 Degrees
Right Ascension (Ticks: 100 mas)

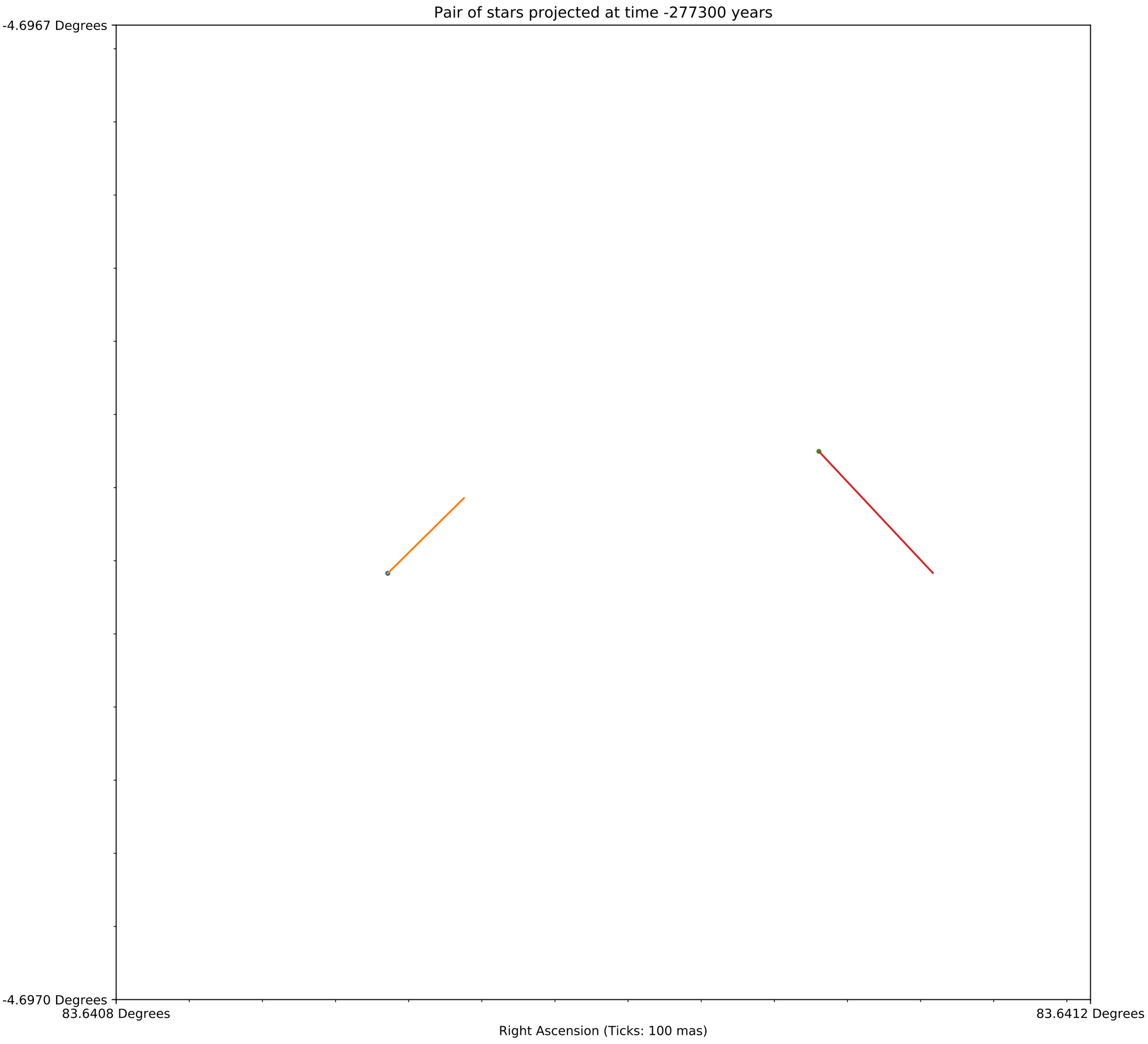

Pair of stars projected at time -268400 years
-4.4038 Degrees
-4.4041 Degrees
83.5033 Degrees
83.5037 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -268800 years
-3.8727 Degrees
Declination (Ticks: 100 mas)
-3.8731 Degrees
83.1667 Degrees
83.1670 Degrees
Right Ascension (Ticks: 100 mas)

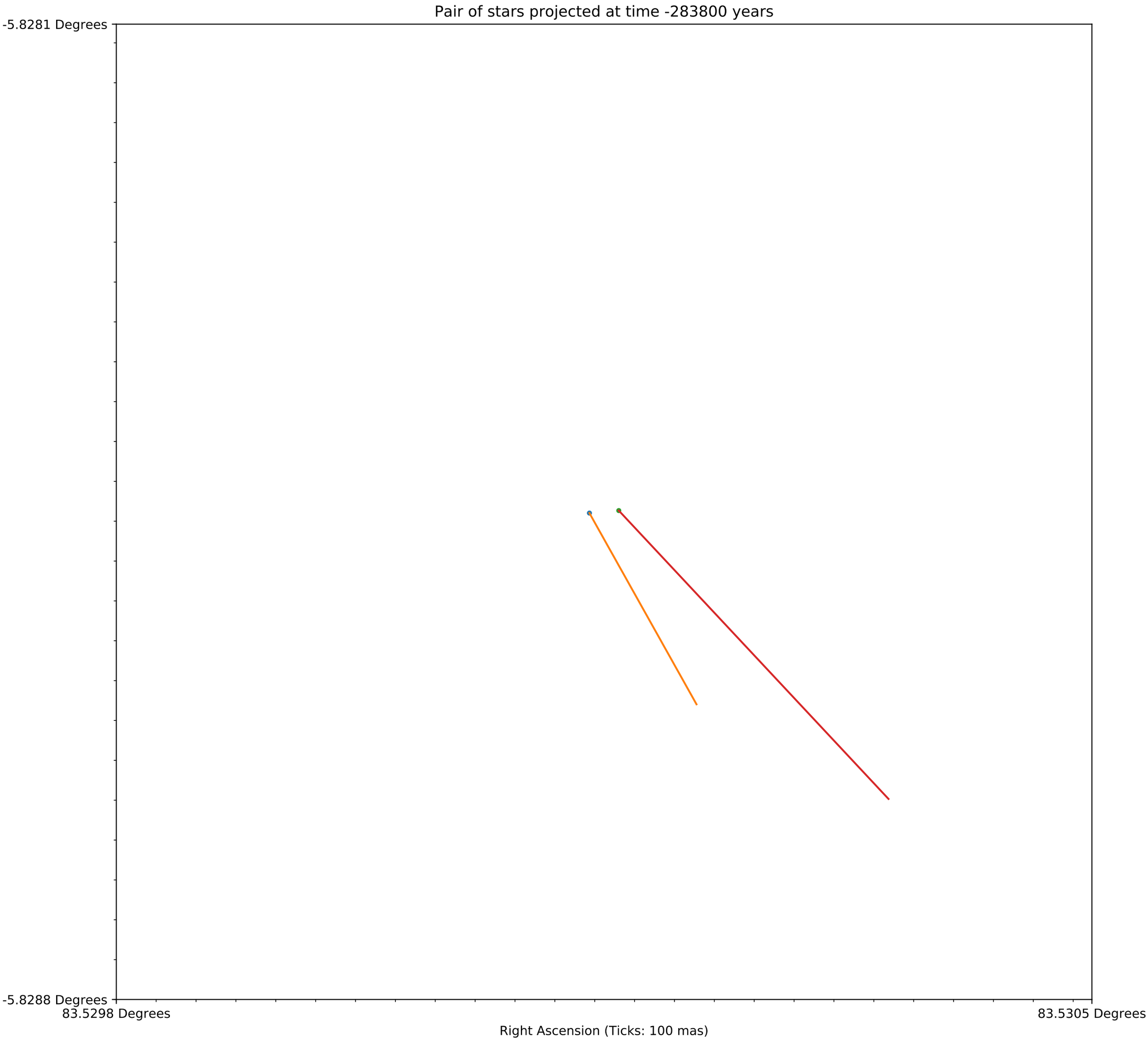

Pair of stars projected at time -269600 years
-4.8506 Degrees
-4.8509 Degrees
83.7013 Degrees
83.7016 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

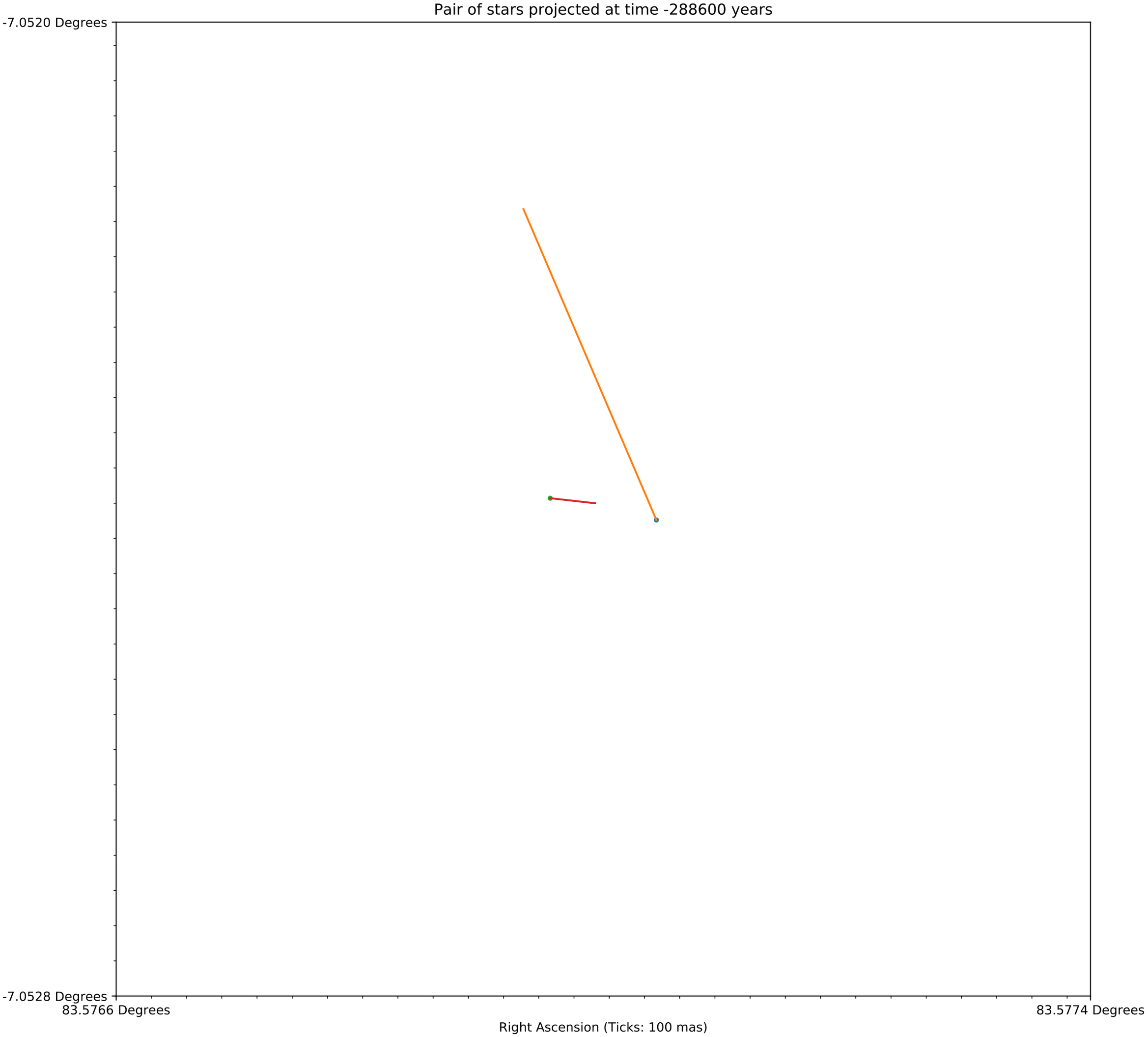

Pair of stars projected at time -269800 years
-4.6996 Degrees
-4.7006 Degrees
83.8387 Degrees
83.8397 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

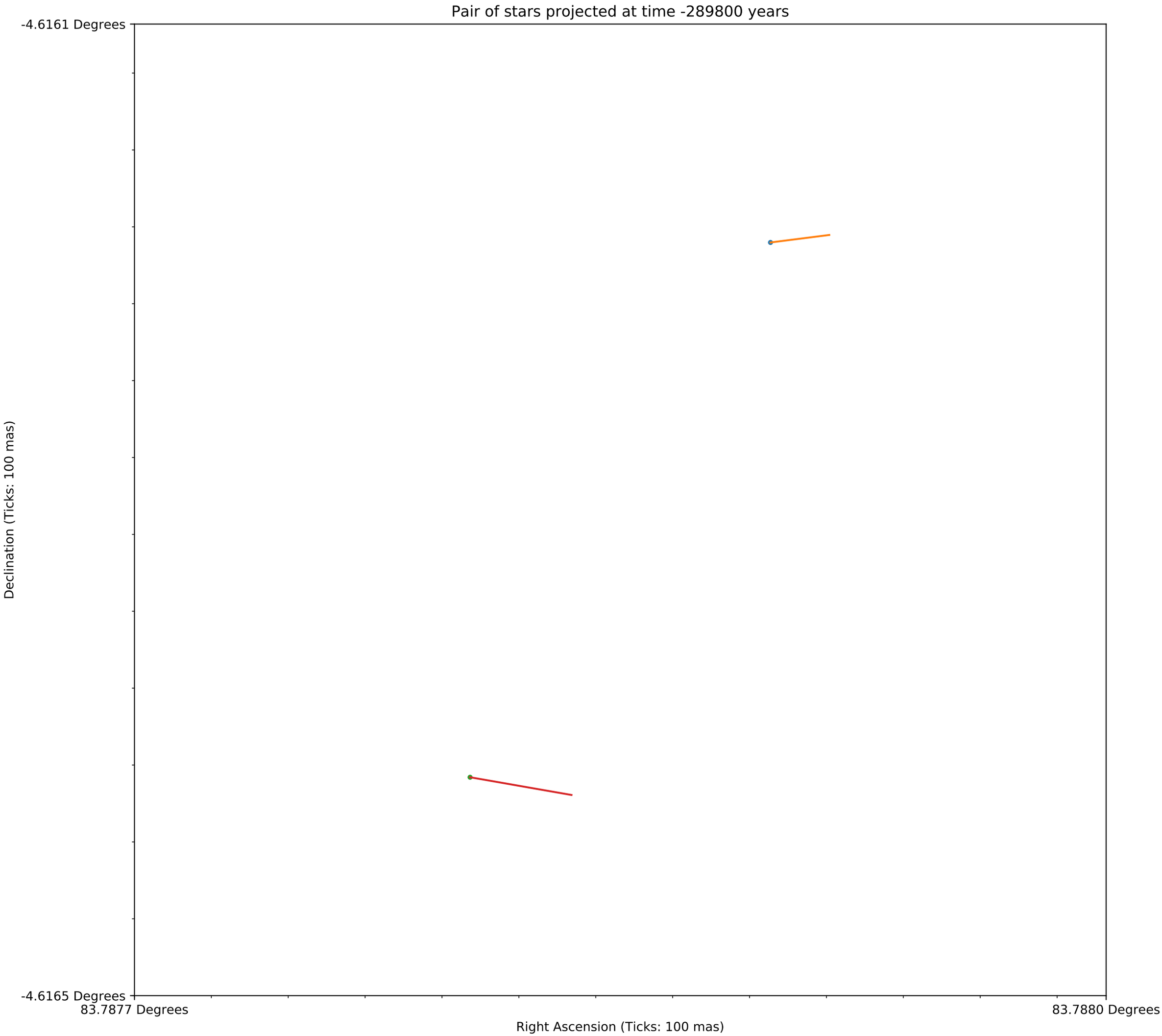

Pair of stars projected at time -274800 years
-5.6045 Degrees
Declination (Ticks: 100 mas)
-5.6049 Degrees
83.5305 Degrees
83.5309 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -277300 years
-4.6967 Degrees
-4.6970 Degrees
83.6408 Degrees
83.6412 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

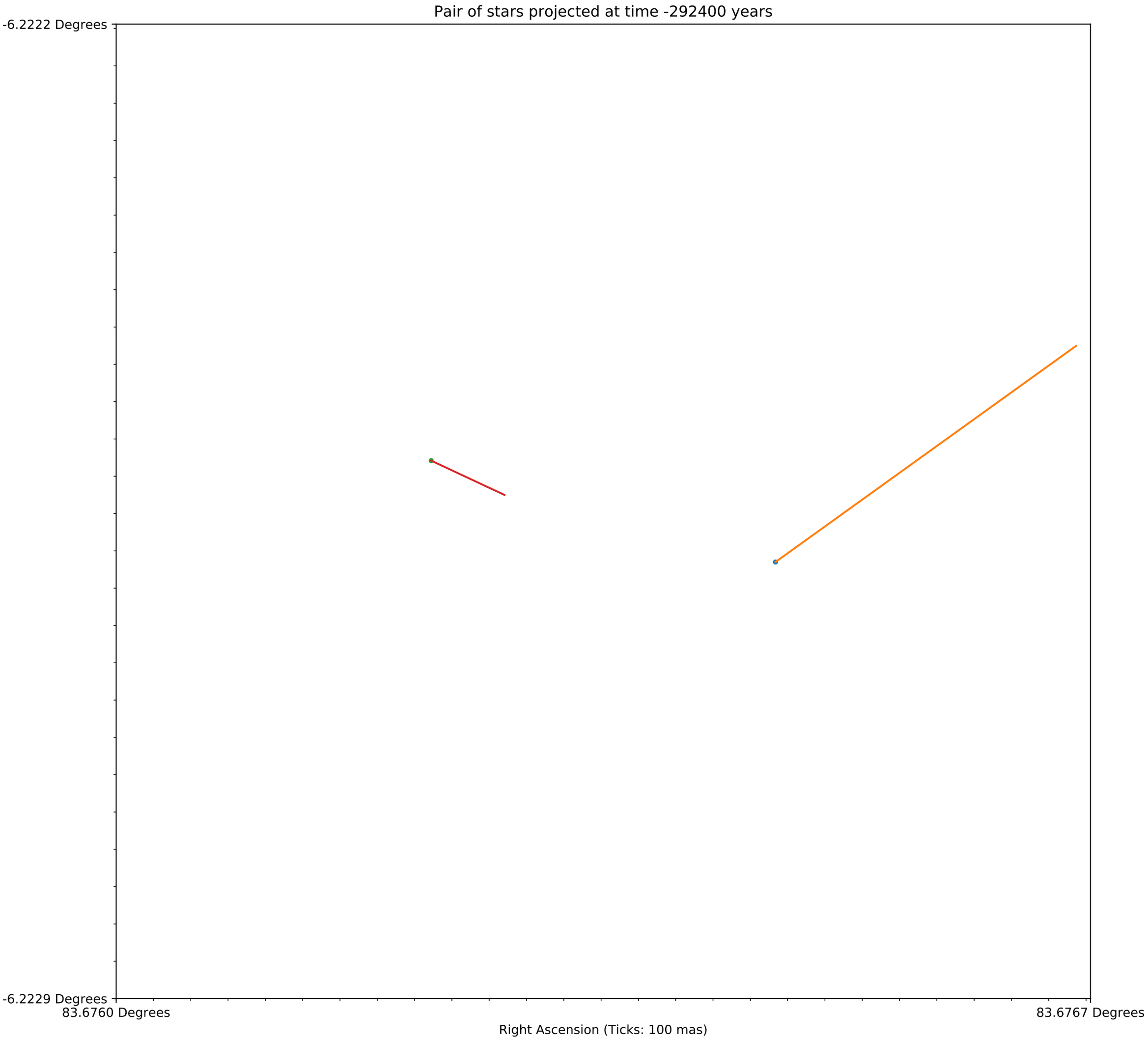
Pair of stars projected at time -282800 years
-6.0881 Degrees
Declination (Ticks: 100 mas)
-6.0886 Degrees
83.6286 Degrees
83.6291 Degrees
Right Ascension (Ticks: 100 mas)

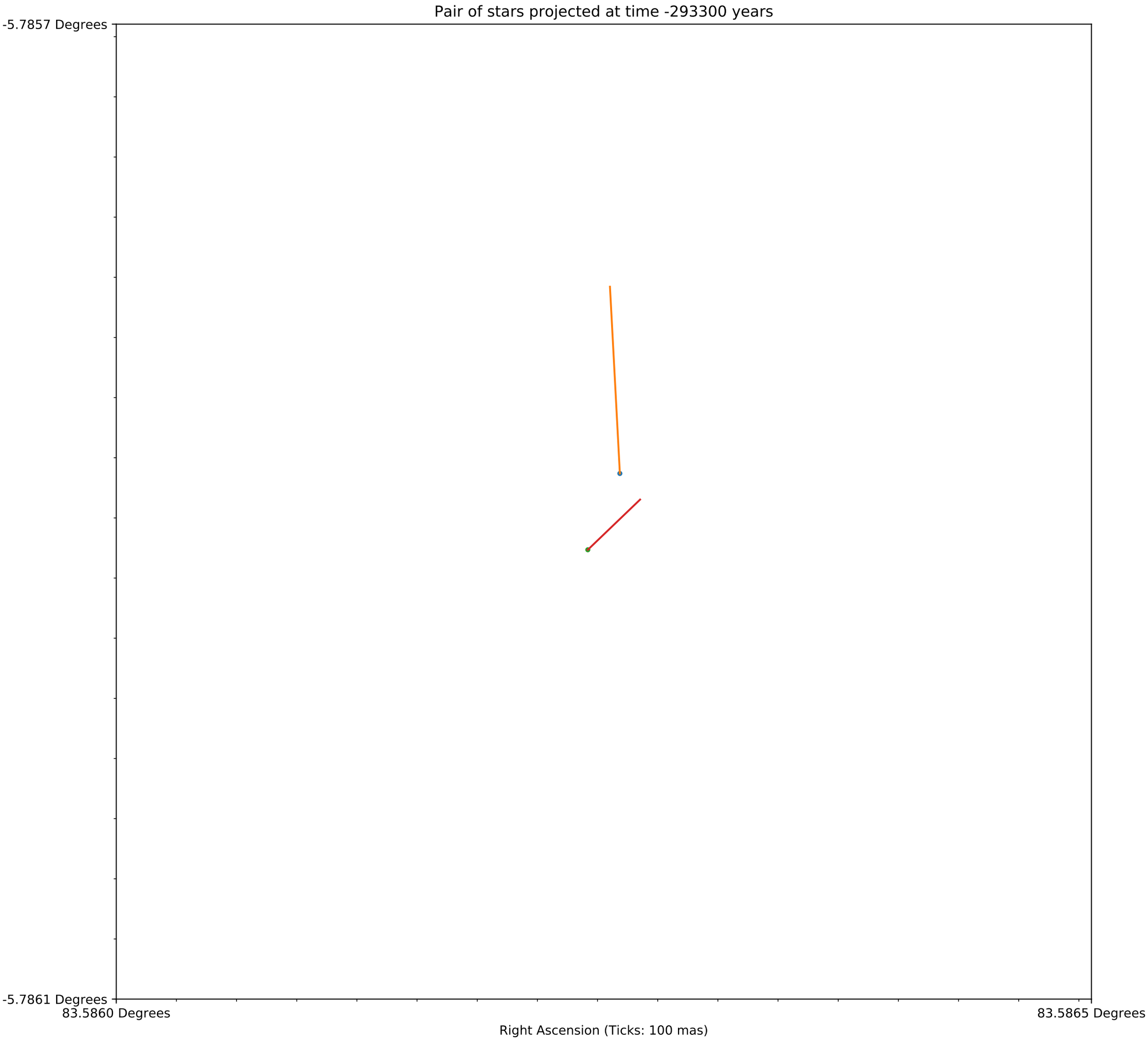

Pair of stars projected at time -283800 years
-5.8281 Degrees
-5.8288 Degrees
83.5298 Degrees
83.5305 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -288600 years
-7.0520 Degrees
-7.0528 Degrees
83.5766 Degrees
83.5774 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

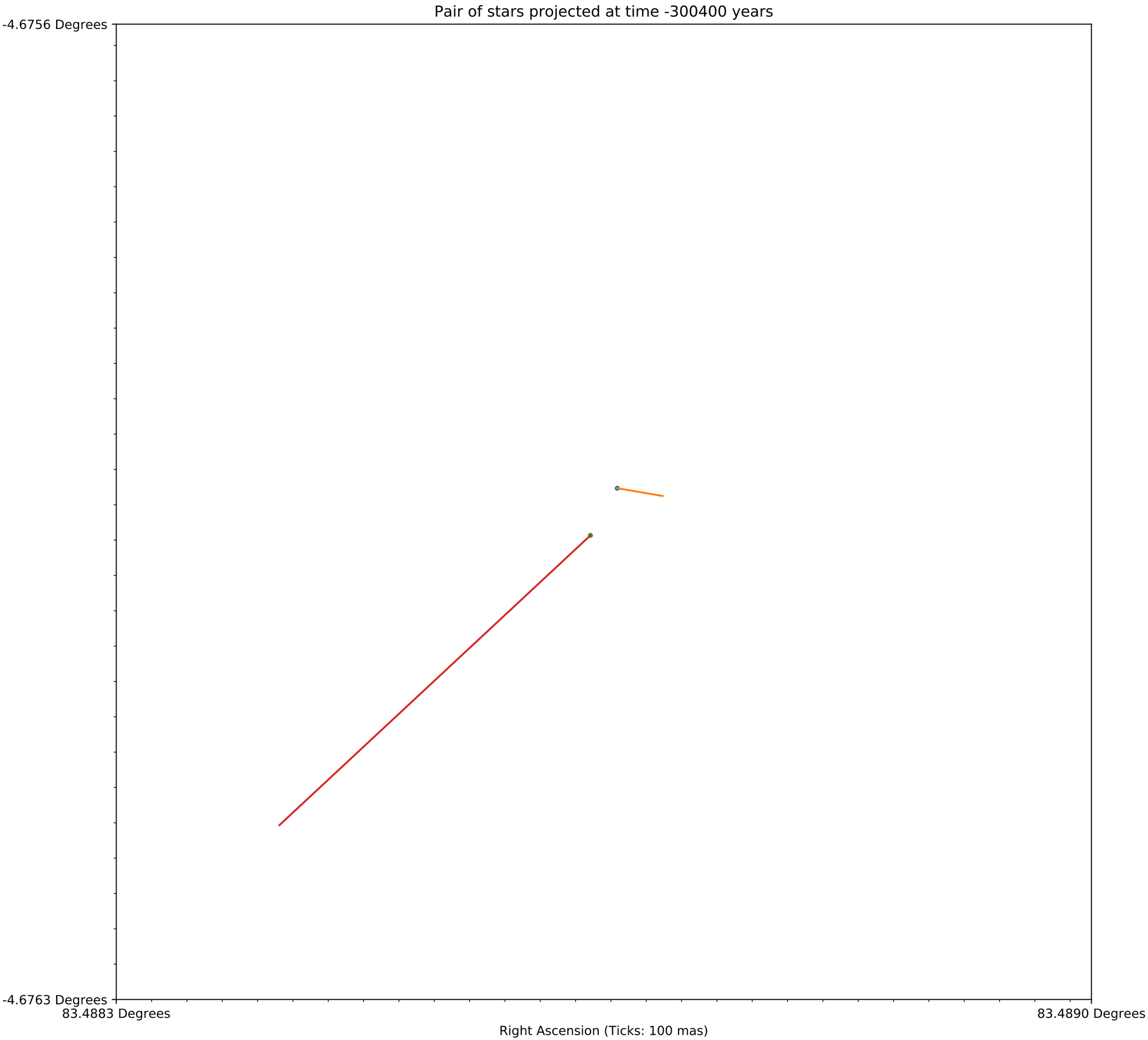

Pair of stars projected at time -289800 years
-4.6161 Degrees
-4.6165 Degrees
83.7877 Degrees
83.7880 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -292000 years
-4.7634 Degrees
Declination (Ticks: 100 mas)
-4.7648 Degrees
83.7848 Degrees
83.7863 Degrees
Right Ascension (Ticks: 100 mas)

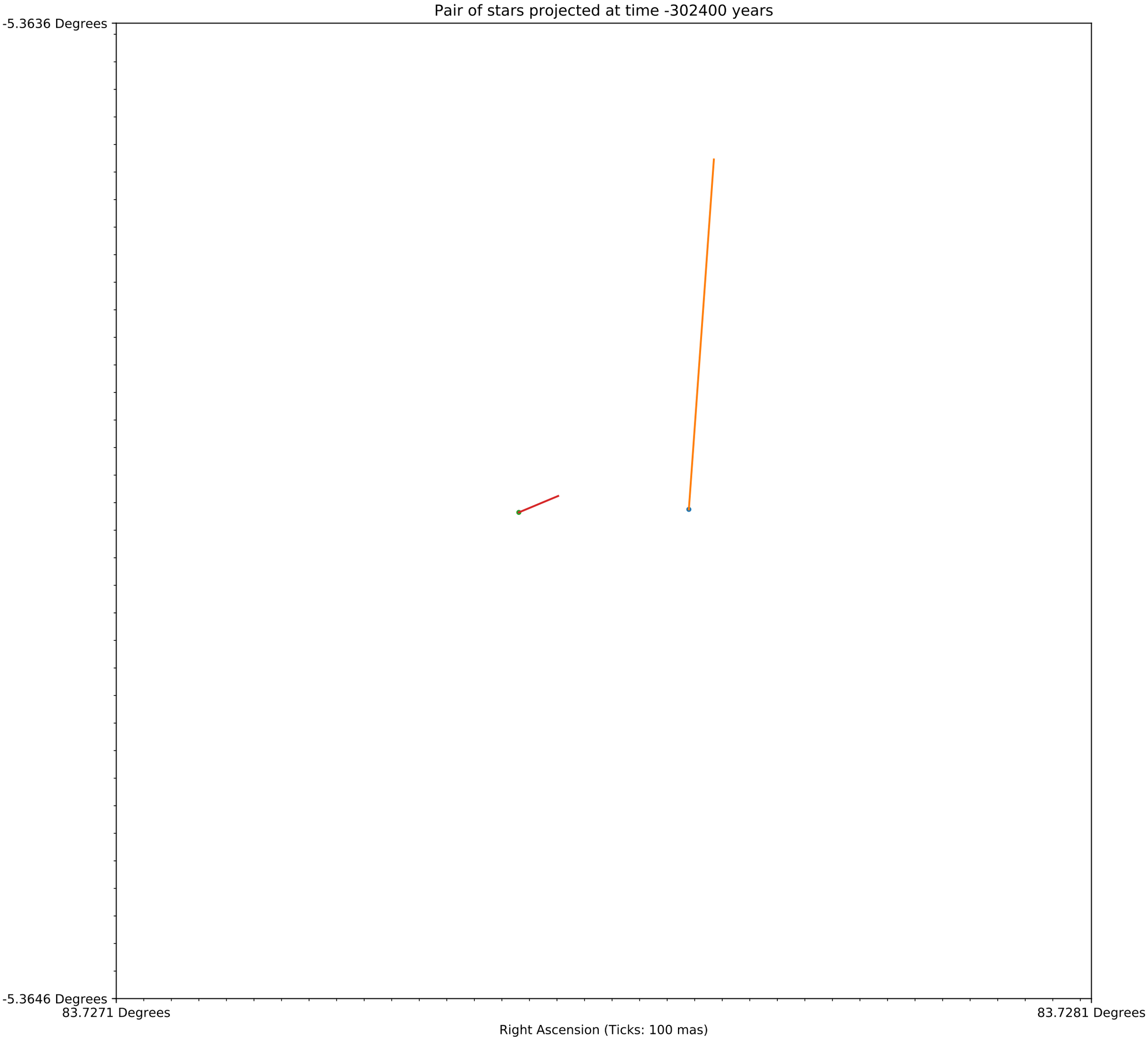

Pair of stars projected at time -292400 years
-6.2222 Degrees
Declination (Ticks: 100 mas)
-6.2229 Degrees
83.6760 Degrees
83.6767 Degrees
Right Ascension (Ticks: 100 mas)

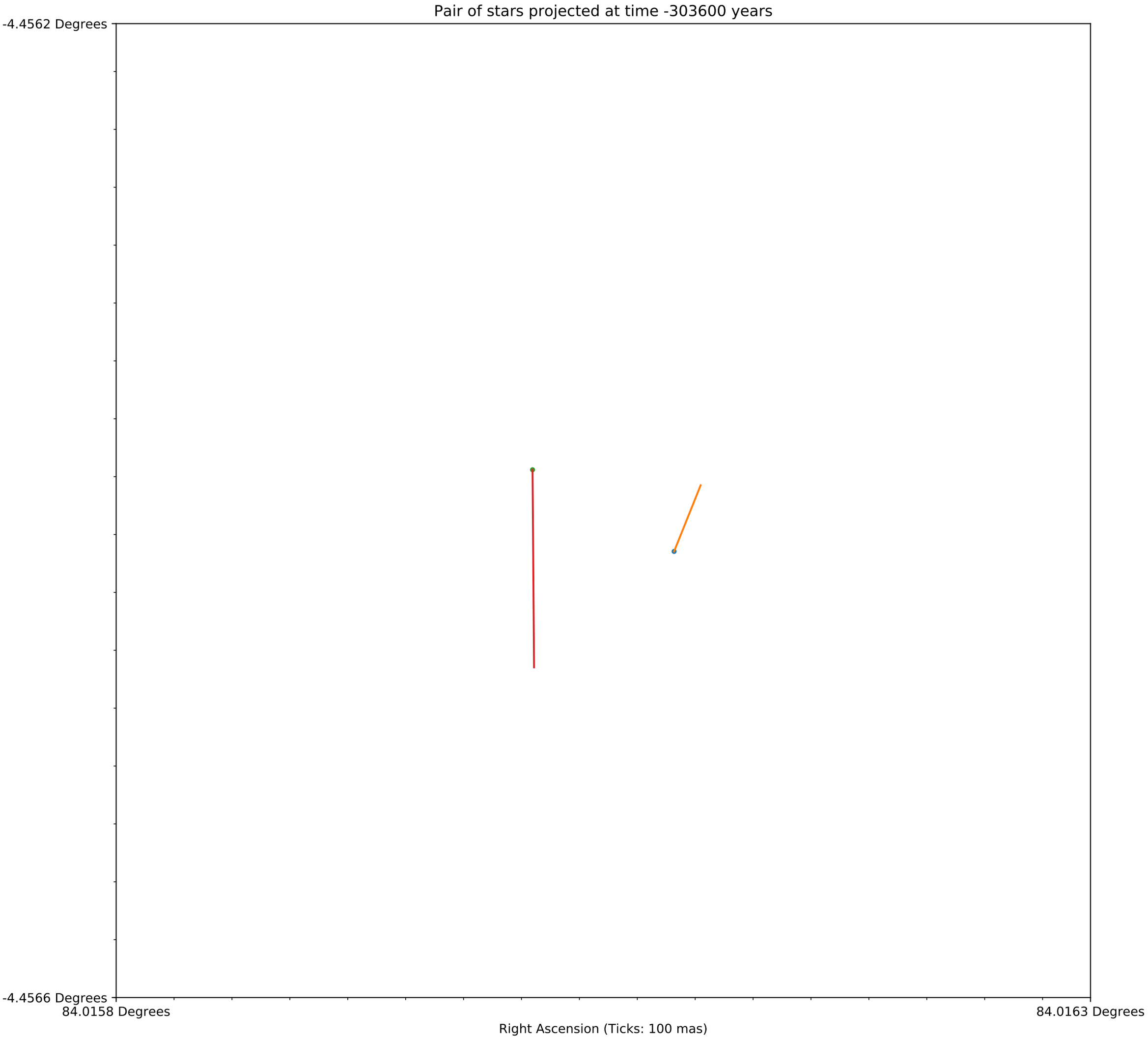

Pair of stars projected at time -293300 years
-5.7857 Degrees
Declination (Ticks: 100 mas)
-5.7861 Degrees
83.5860 Degrees
83.5865 Degrees
Right Ascension (Ticks: 100 mas)

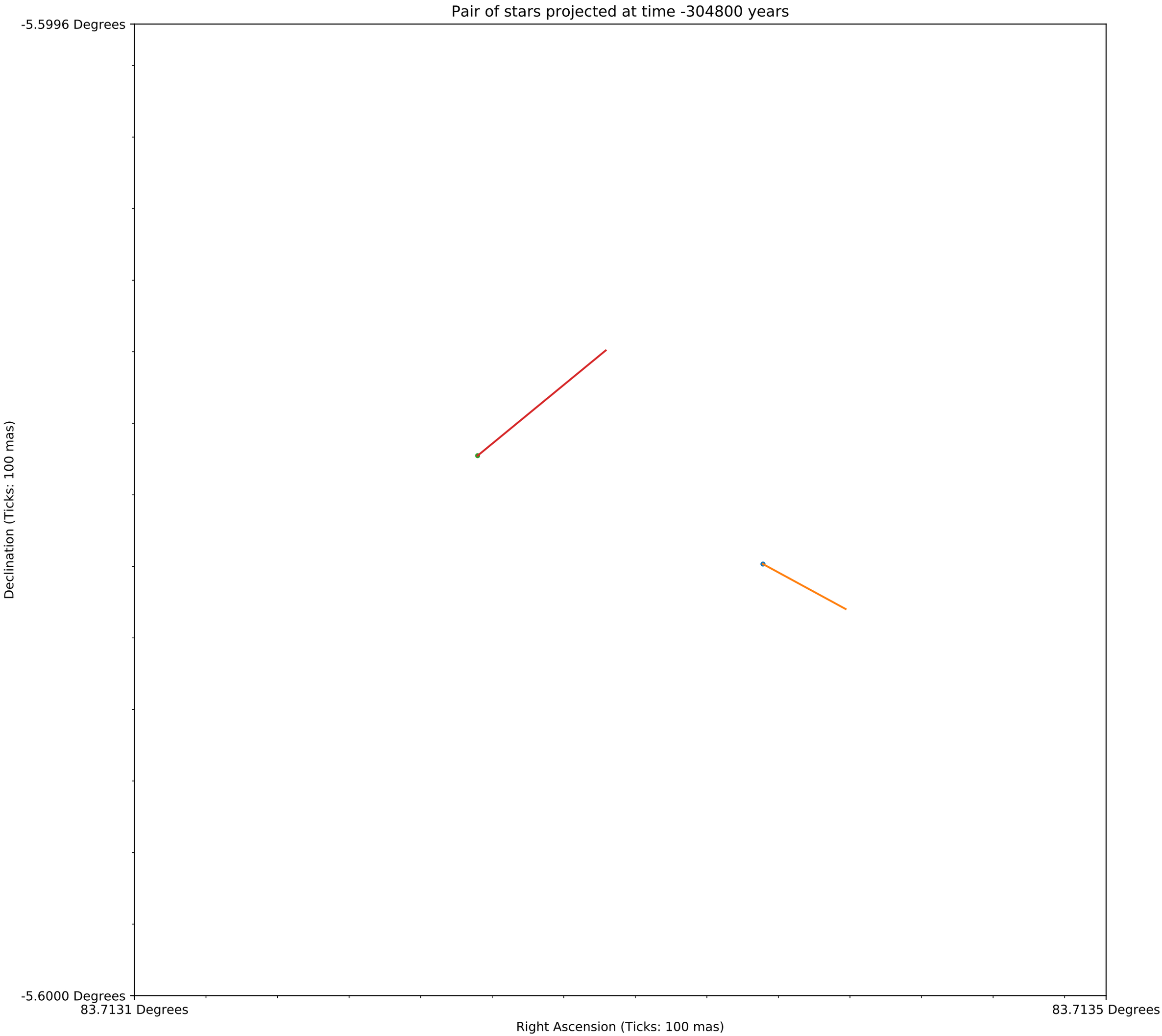
Pair of stars projected at time -294500 years
-4.8174 Degrees
-4.8177 Degrees
83.8552 Degrees
83.8555 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -300400 years
-4.6756 Degrees
-4.6763 Degrees
83.4883 Degrees
83.4890 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

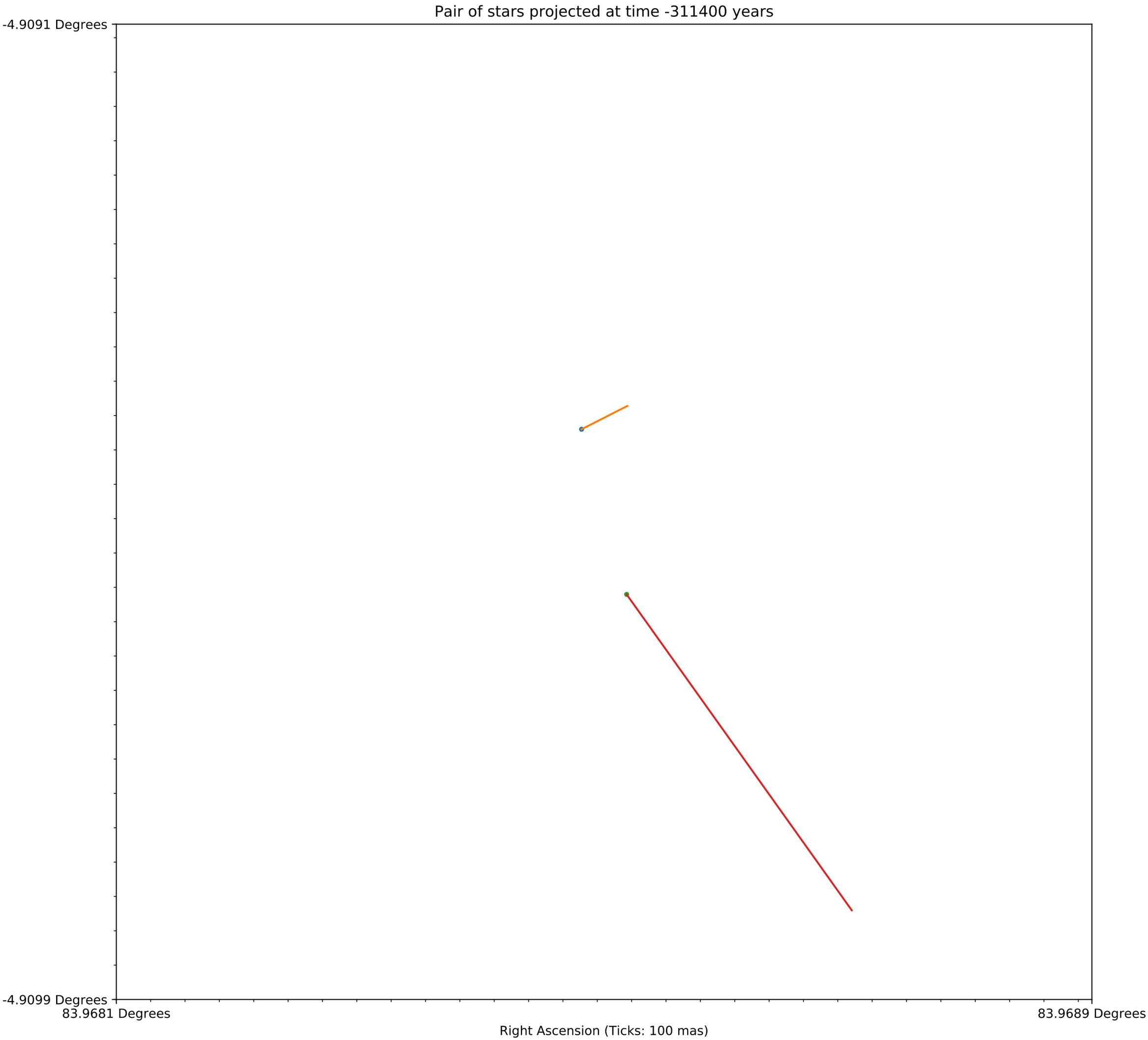
Pair of stars projected at time -302400 years
-4.1787 Degrees
Declination (Ticks: 100 mas)
-4.1799 Degrees
84.1148 Degrees
84.1161 Degrees
Right Ascension (Ticks: 100 mas)

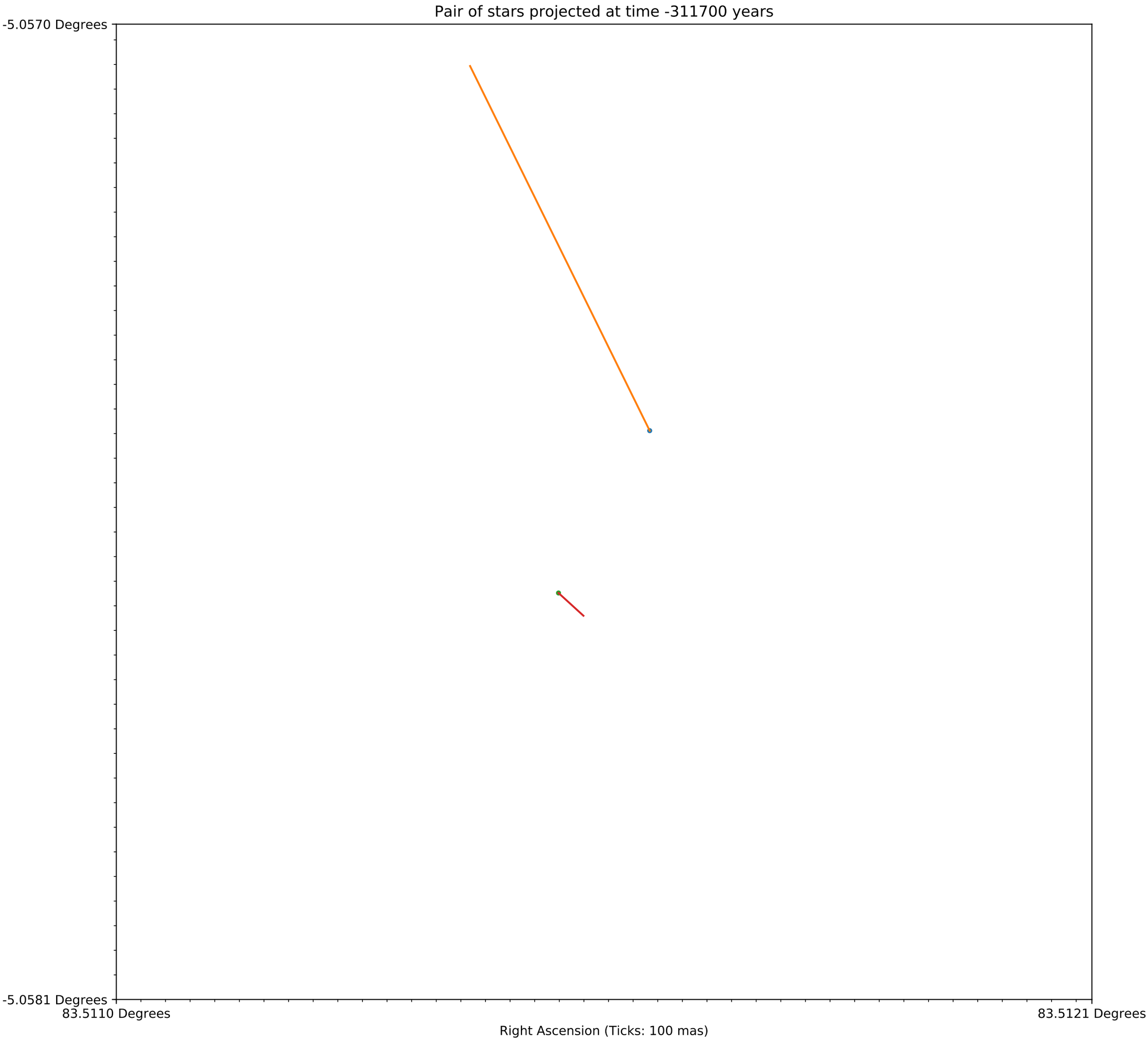

Pair of stars projected at time -302400 years
-5.3636 Degrees
-5.3646 Degrees
83.7271 Degrees
83.7281 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

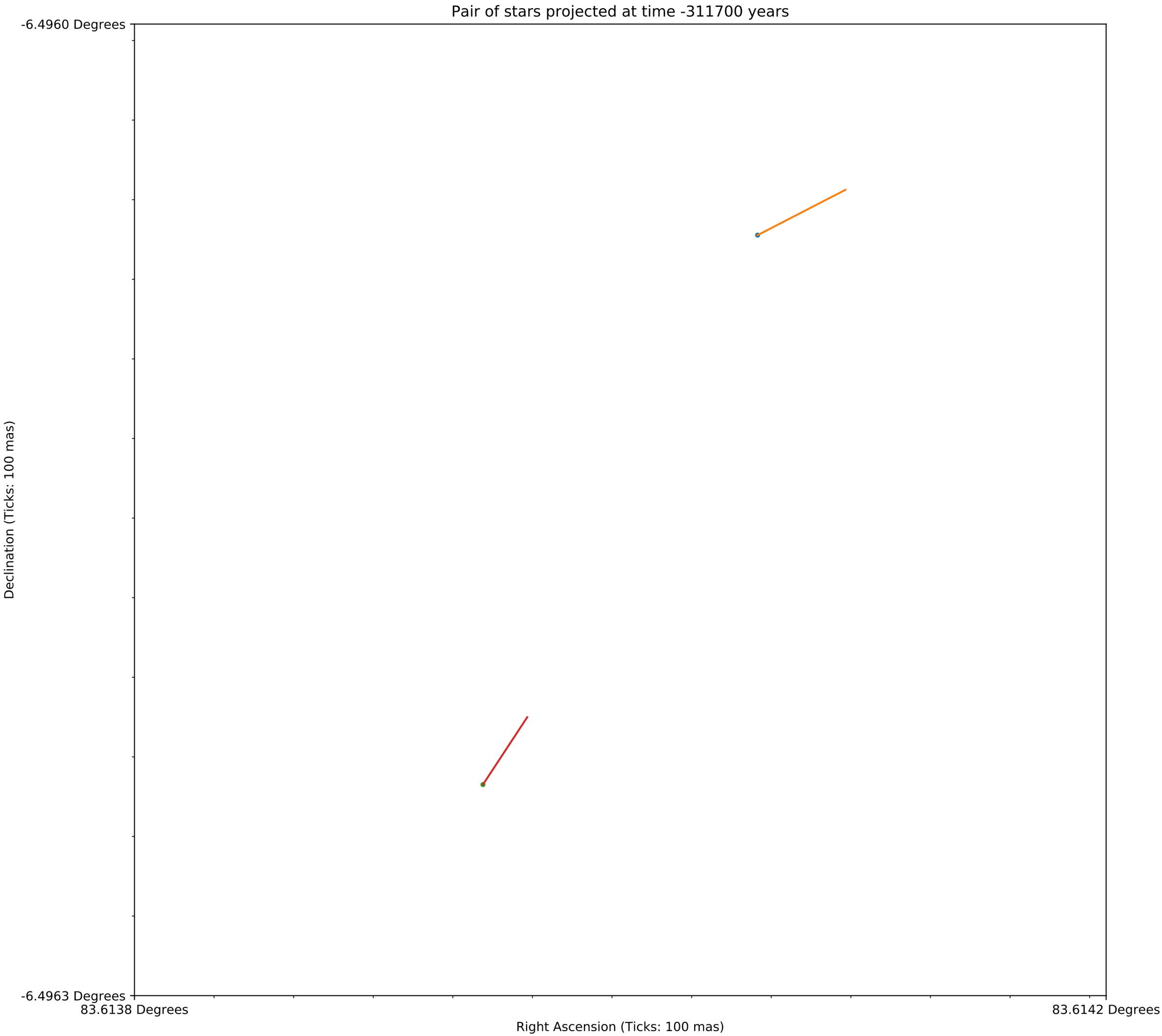

Pair of stars projected at time -303600 years
-4.4562 Degrees
Declination (Ticks: 100 mas)
-4.4566 Degrees
84.0158 Degrees
84.0163 Degrees
Right Ascension (Ticks: 100 mas)

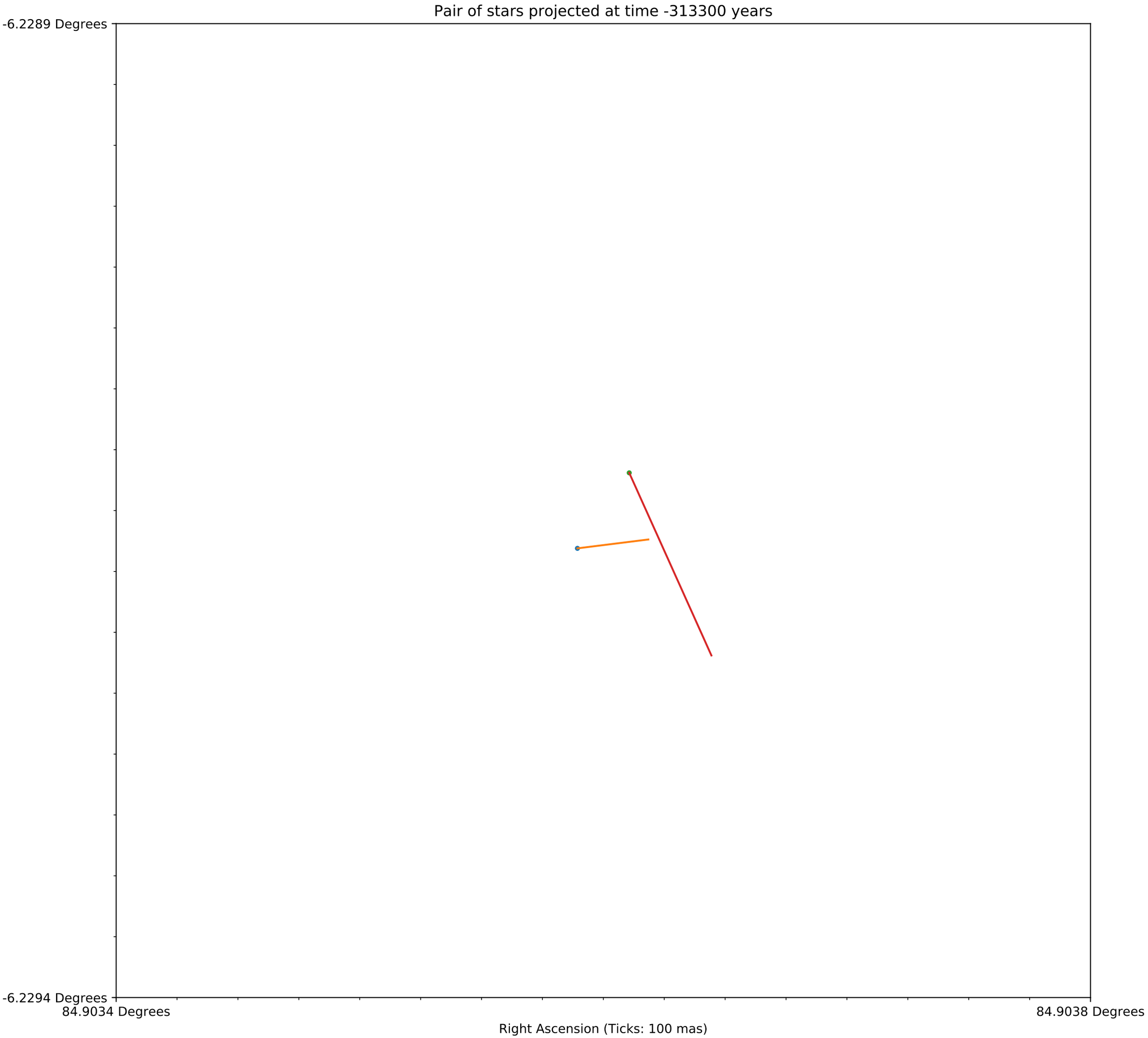

Pair of stars projected at time -304800 years
-5.5996 Degrees
-5.6000 Degrees
83.7131 Degrees
83.7135 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -305700 years
-4.6845 Degrees
Declination (Ticks: 100 mas)
-4.6860 Degrees
83.7704 Degrees
83.7718 Degrees
Right Ascension (Ticks: 100 mas)

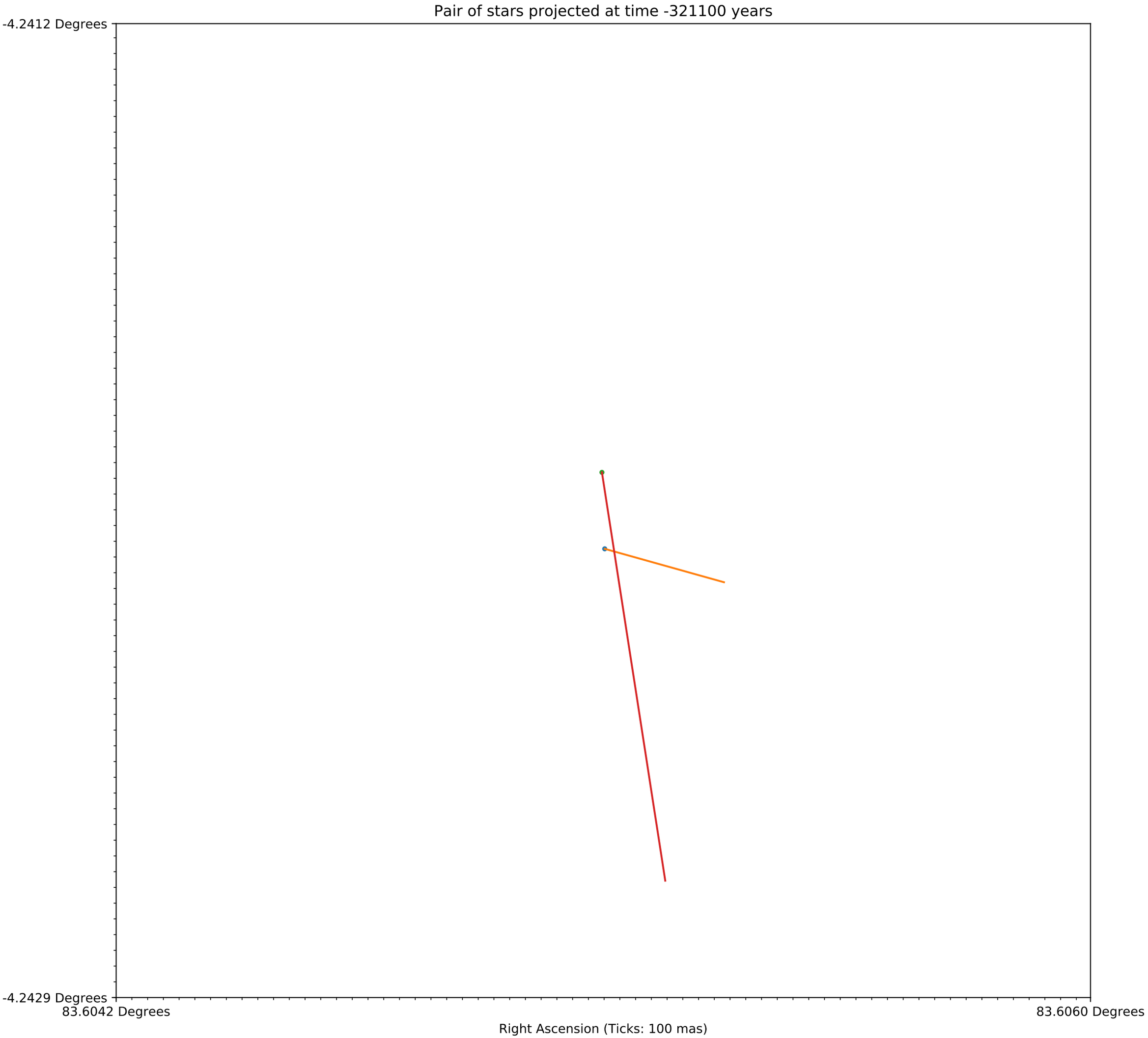

Pair of stars projected at time -311400 years
-4.9091 Degrees
Declination (Ticks: 100 mas)
-4.9099 Degrees
83.9681 Degrees
83.9689 Degrees
Right Ascension (Ticks: 100 mas)

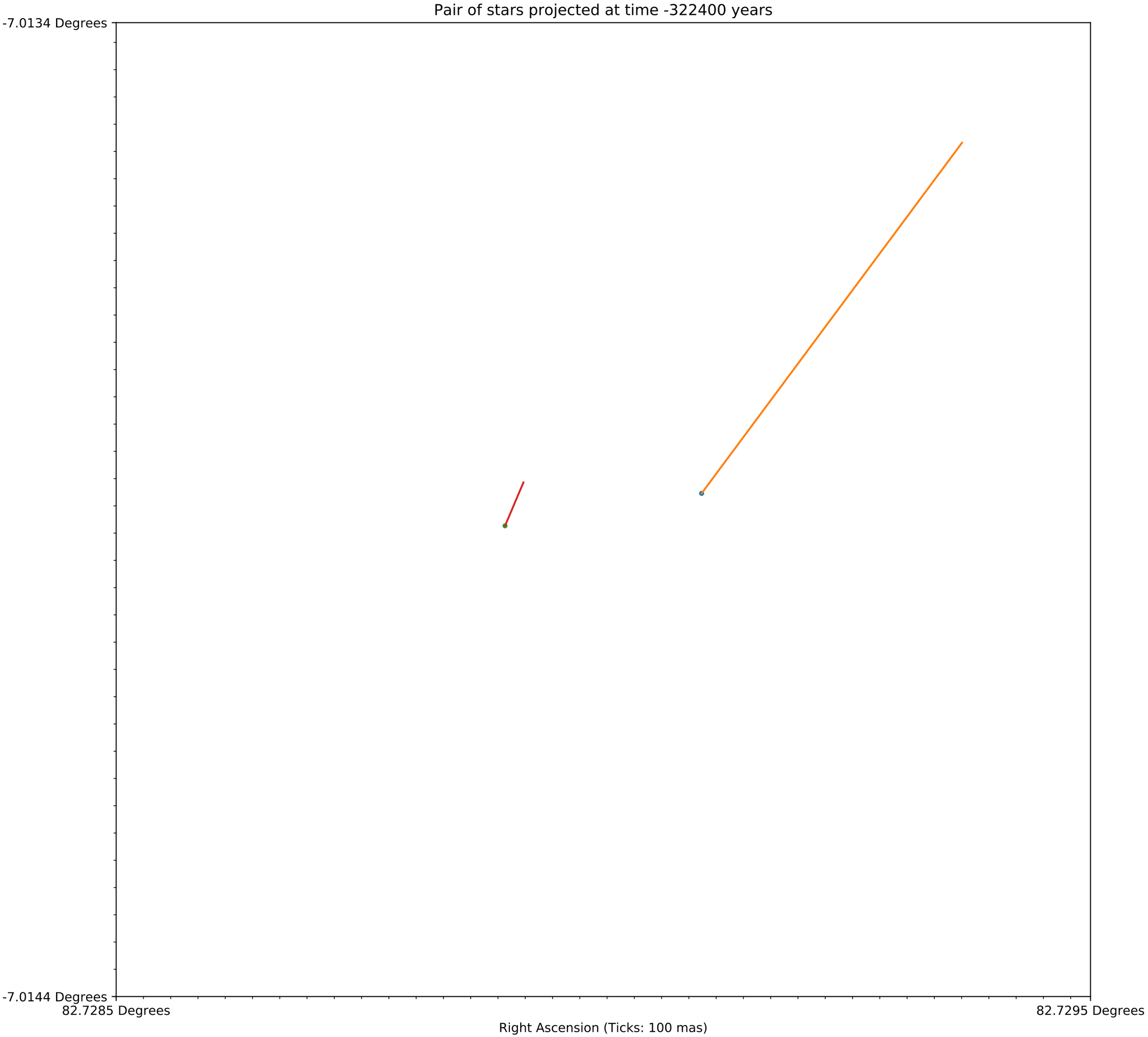

Pair of stars projected at time -311700 years
-5.0570 Degrees
Declination (Ticks: 100 mas)
-5.0581 Degrees
83.5110 Degrees
83.5121 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -311700 years
-6.4960 Degrees
-6.4963 Degrees
83.6138 Degrees
83.6142 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

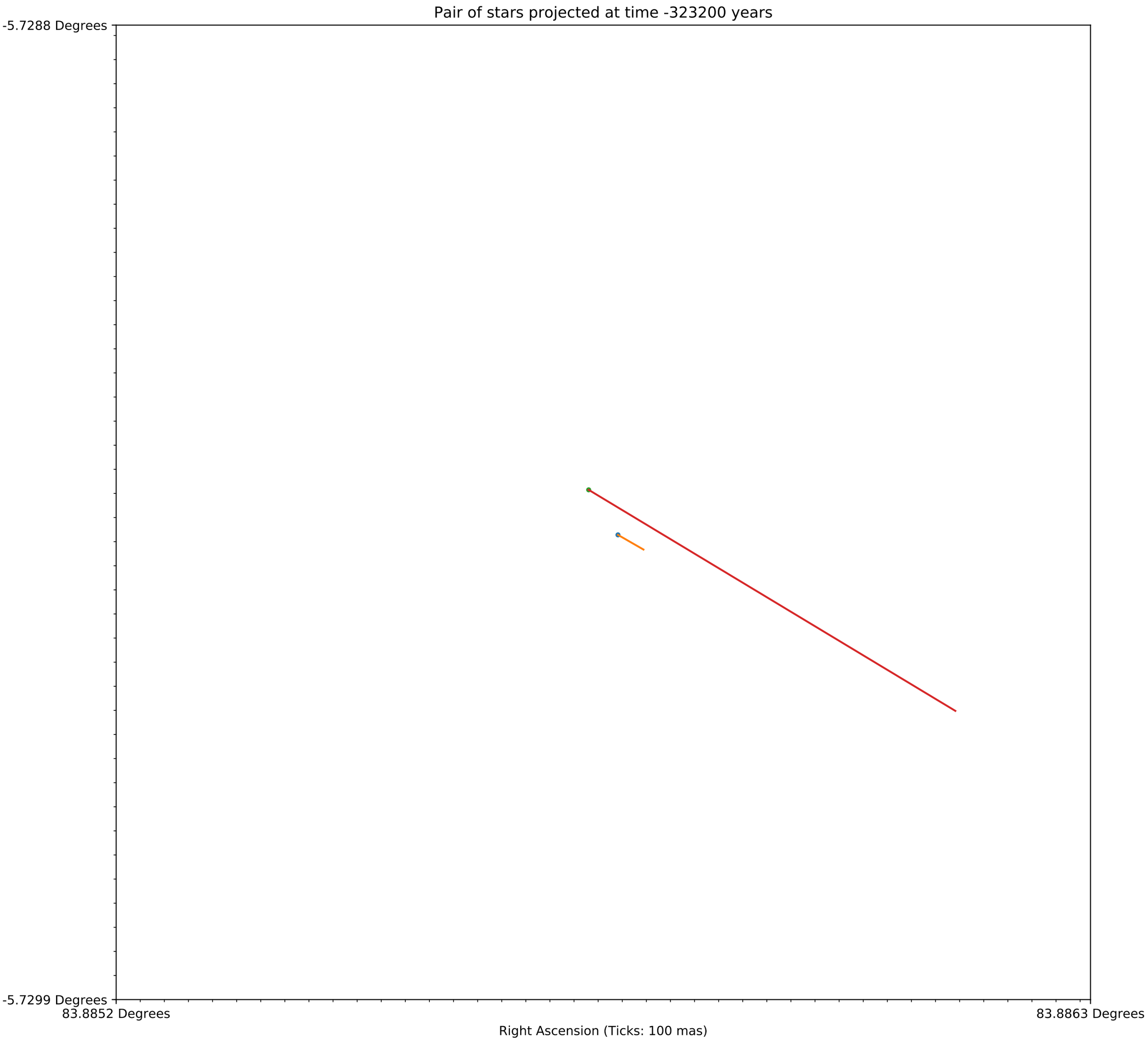

Pair of stars projected at time -313300 years
-6.2289 Degrees
Declination (Ticks: 100 mas)
-6.2294 Degrees
84.9034 Degrees
84.9038 Degrees
Right Ascension (Ticks: 100 mas)

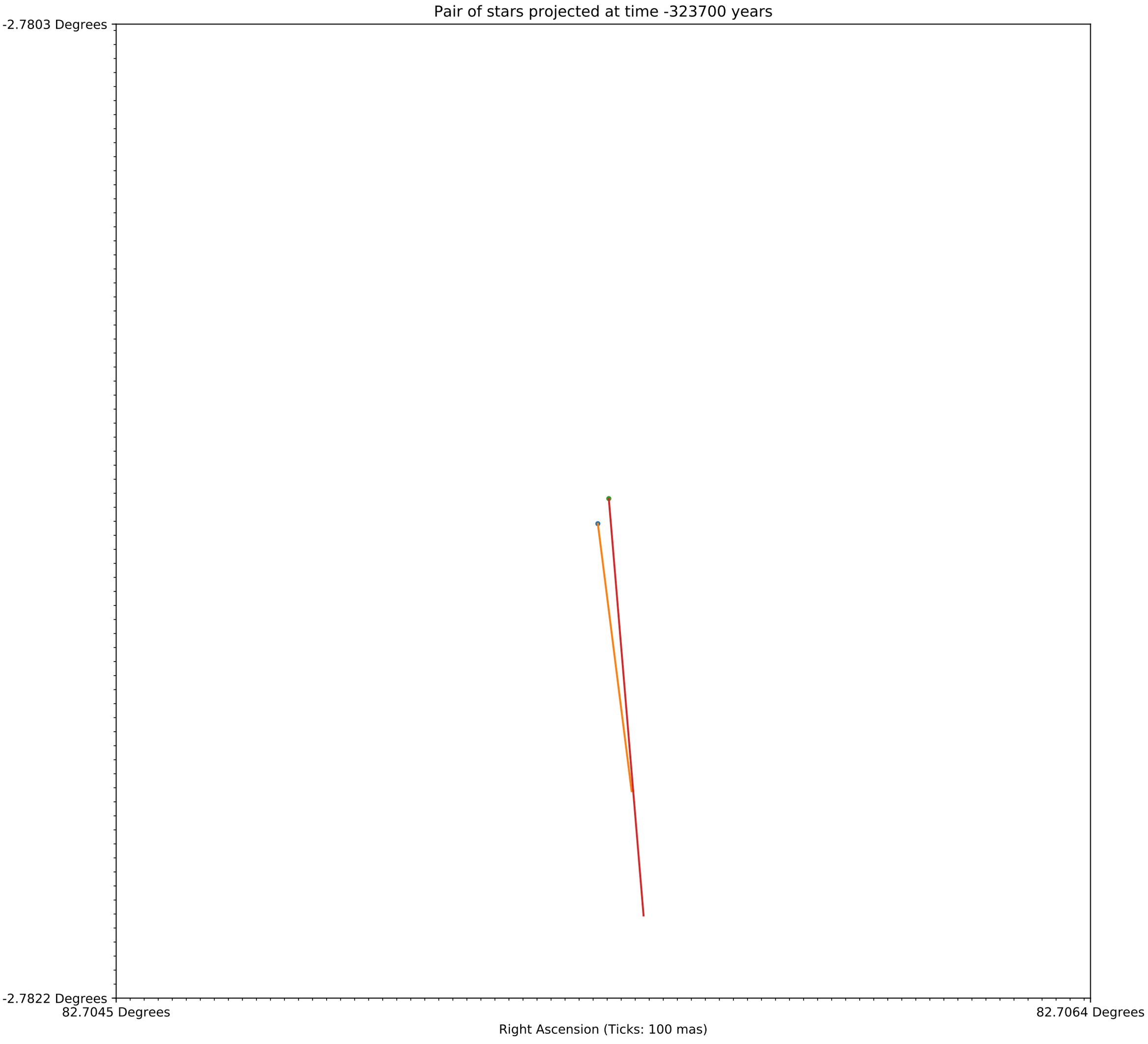
Pair of stars projected at time -313700 years
-4.9178 Degrees
Declination (Ticks: 100 mas)
-4.9190 Degrees
83.6395 Degrees
83.6407 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -321100 years
-4.2412 Degrees
Declination (Ticks: 100 mas)
-4.2429 Degrees
83.6042 Degrees
83.6060 Degrees
Right Ascension (Ticks: 100 mas)

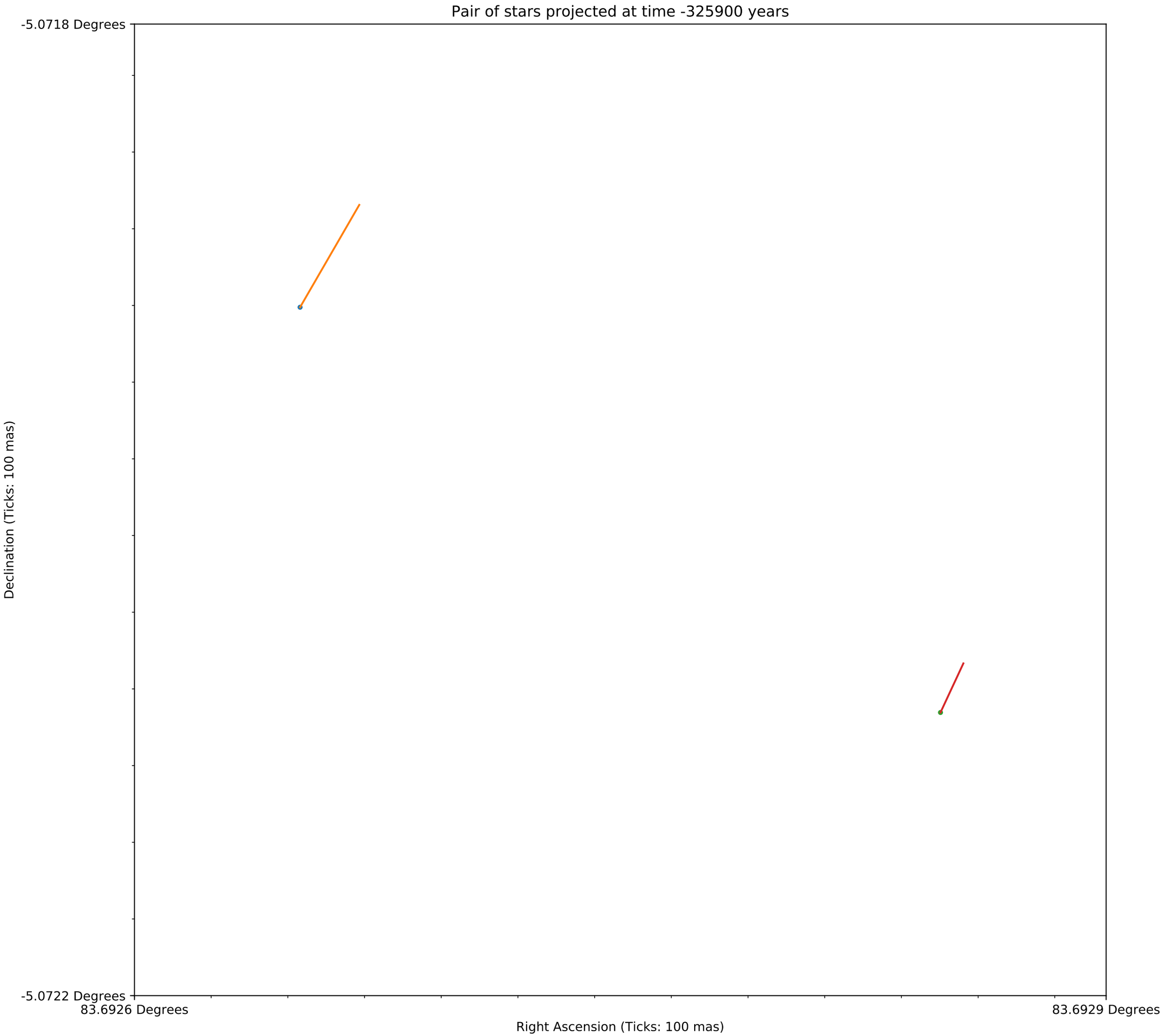

Pair of stars projected at time -322400 years
-7.0134 Degrees
Declination (Ticks: 100 mas)
-7.0144 Degrees
82.7285 Degrees
82.7295 Degrees
Right Ascension (Ticks: 100 mas)

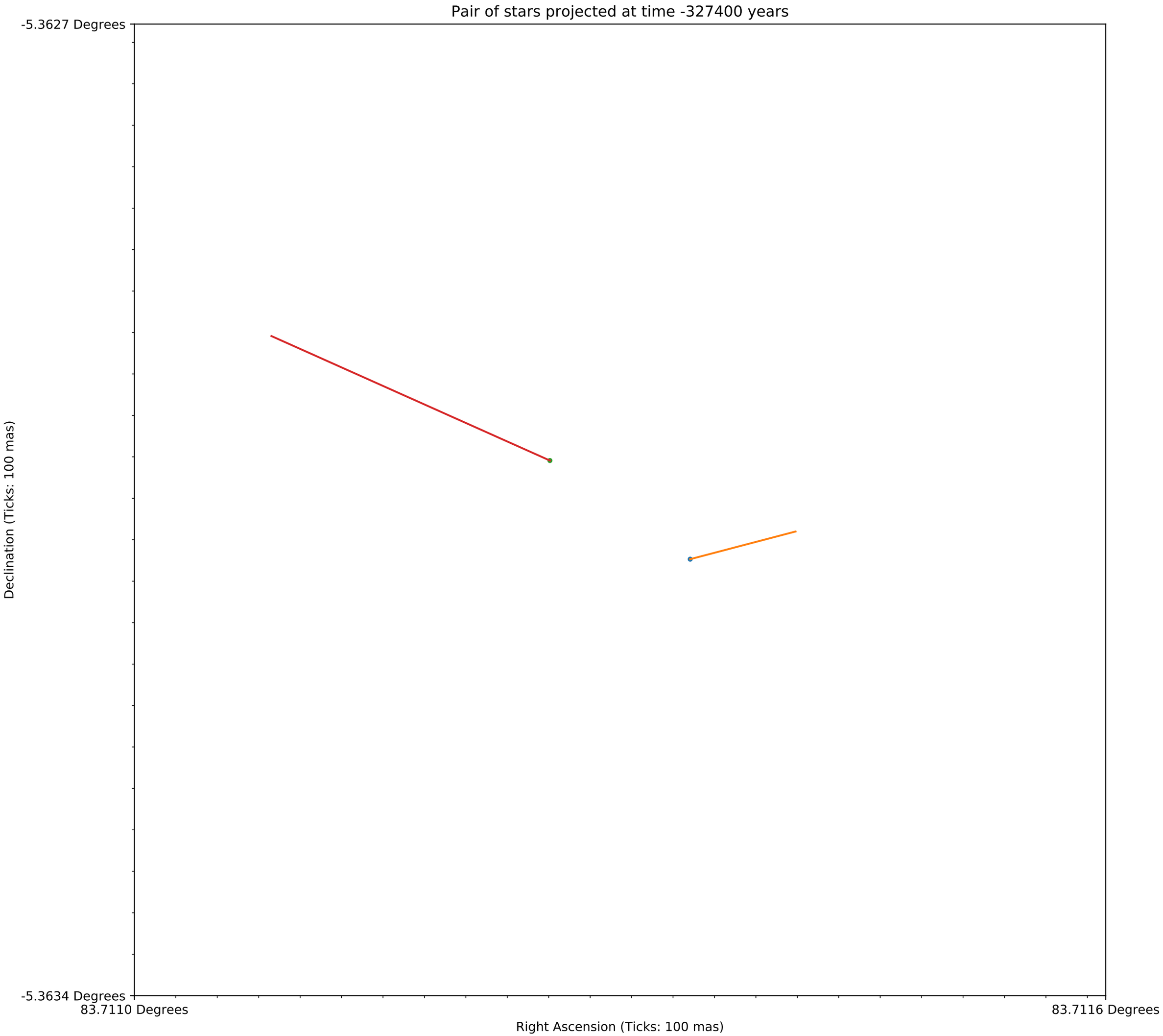
Pair of stars projected at time -322600 years
-5.1022 Degrees
Declination (Ticks: 100 mas)
-5.1026 Degrees
83.7861 Degrees
83.7865 Degrees
Right Ascension (Ticks: 100 mas)

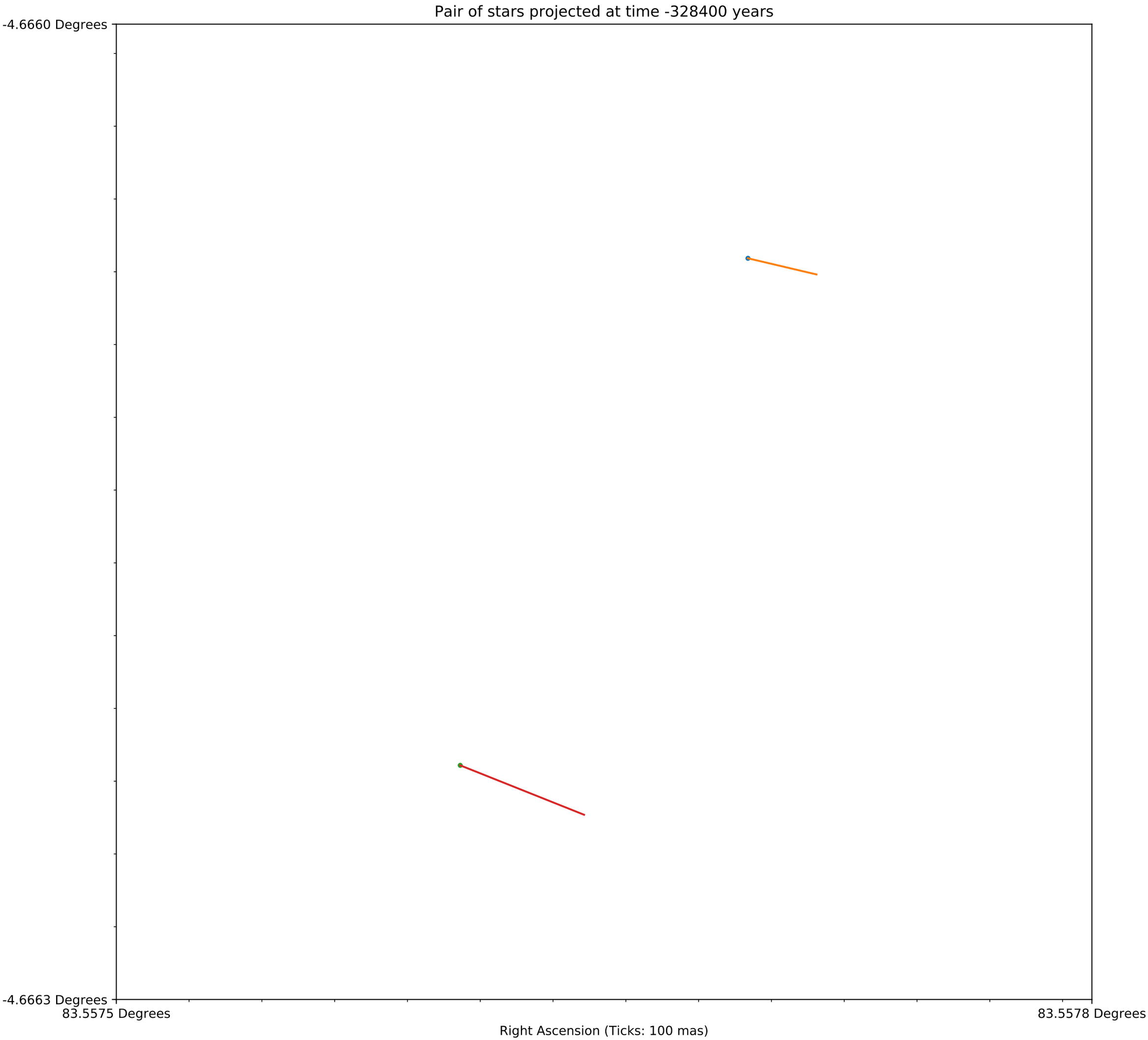

Pair of stars projected at time -323200 years
-5.7288 Degrees
-5.7299 Degrees
83.8852 Degrees
83.8863 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

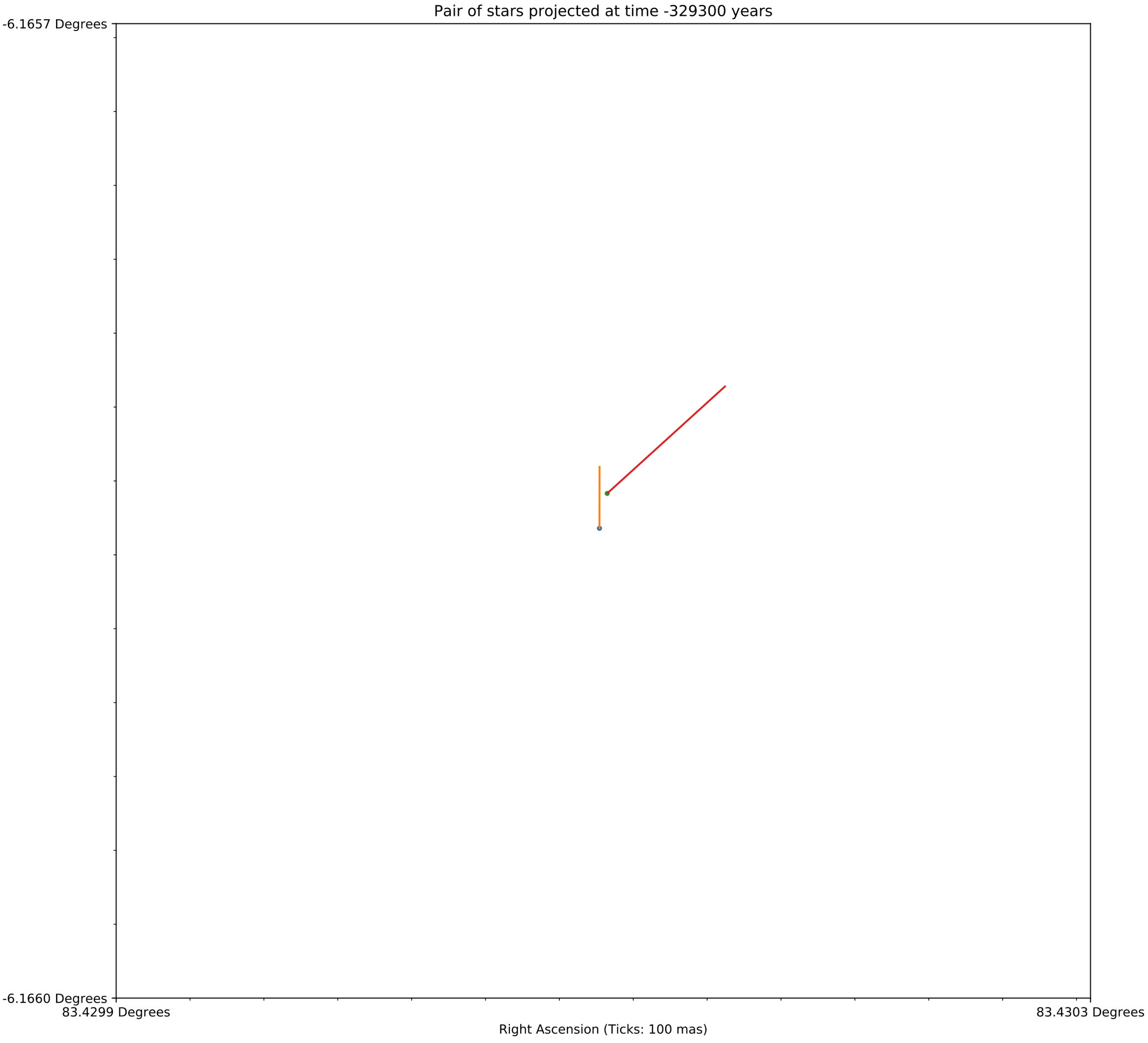

Pair of stars projected at time -323700 years
-2.7803 Degrees
Declination (Ticks: 100 mas)
-2.7822 Degrees
82.7045 Degrees
82.7064 Degrees
Right Ascension (Ticks: 100 mas)

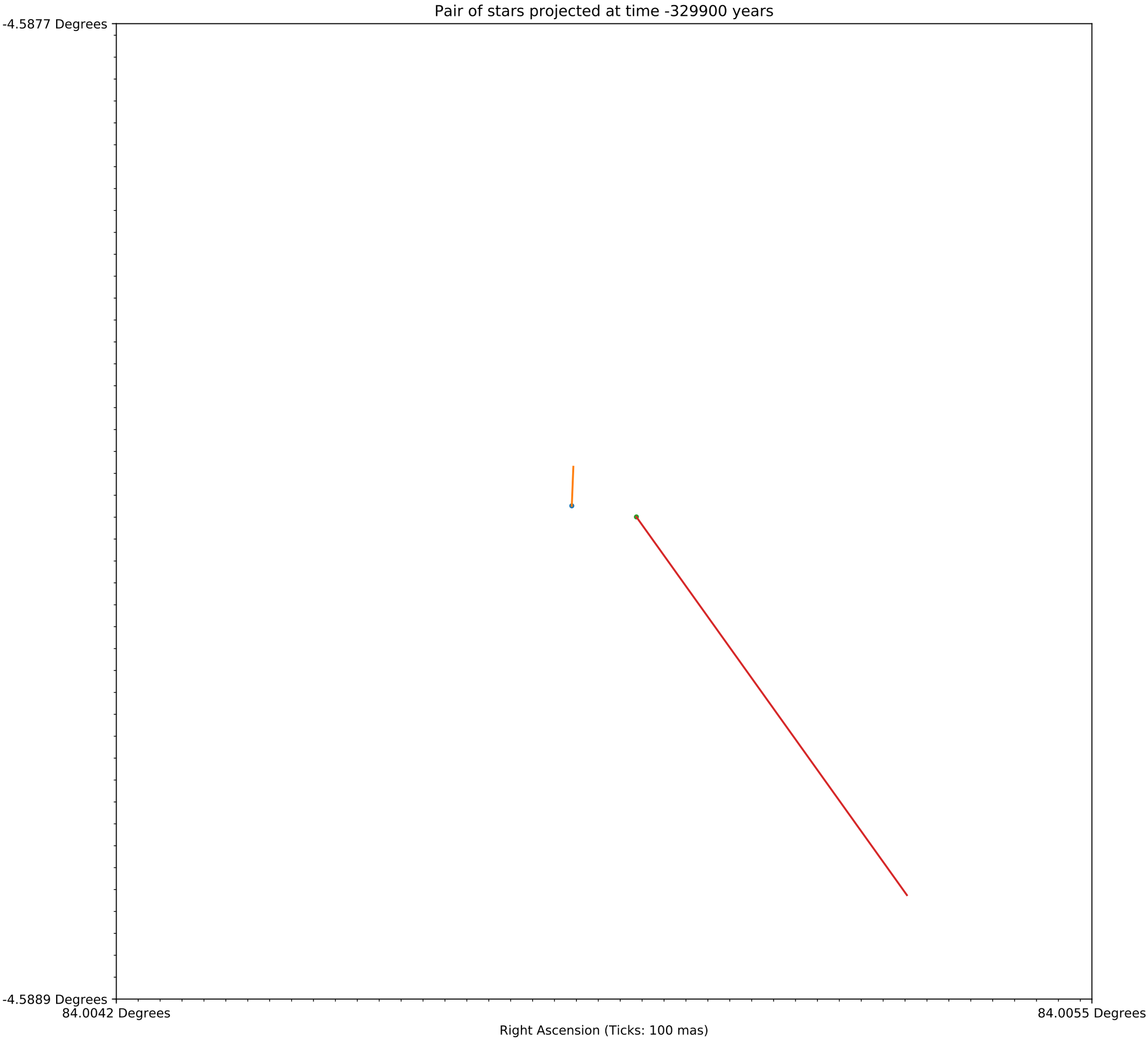
Pair of stars projected at time -324800 years
-5.5747 Degrees
Declination (Ticks: 100 mas)
-5.5755 Degrees
83.7244 Degrees
83.7252 Degrees
Right Ascension (Ticks: 100 mas)

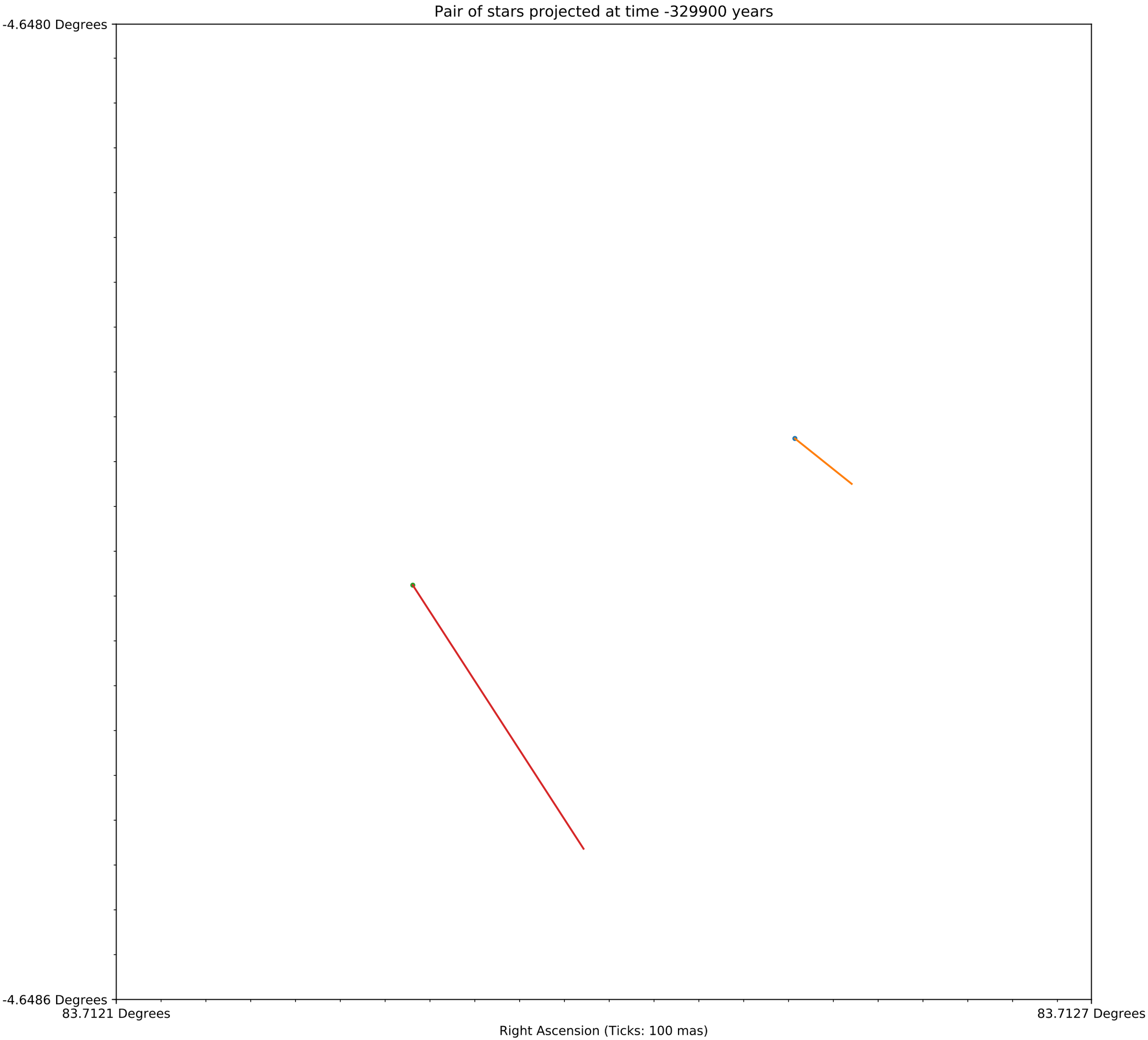

Pair of stars projected at time -325900 years
-5.0718 Degrees
-5.0722 Degrees
83.6926 Degrees
83.6929 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -327400 years
-5.3627 Degrees
-5.3634 Degrees
83.7110 Degrees
83.7116 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

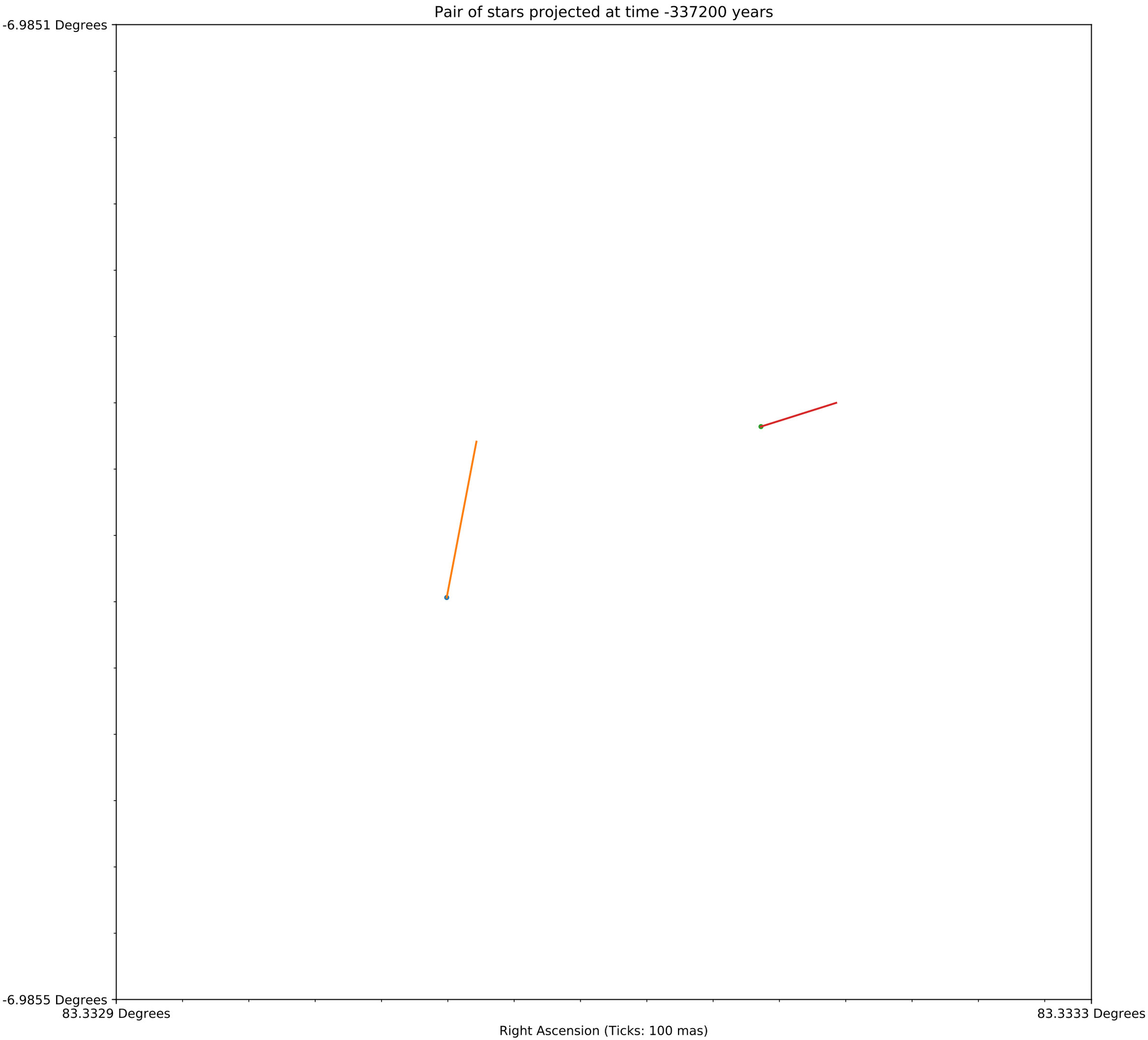

Pair of stars projected at time -328400 years
-4.6660 Degrees
-4.6663 Degrees
83.5575 Degrees
83.5578 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

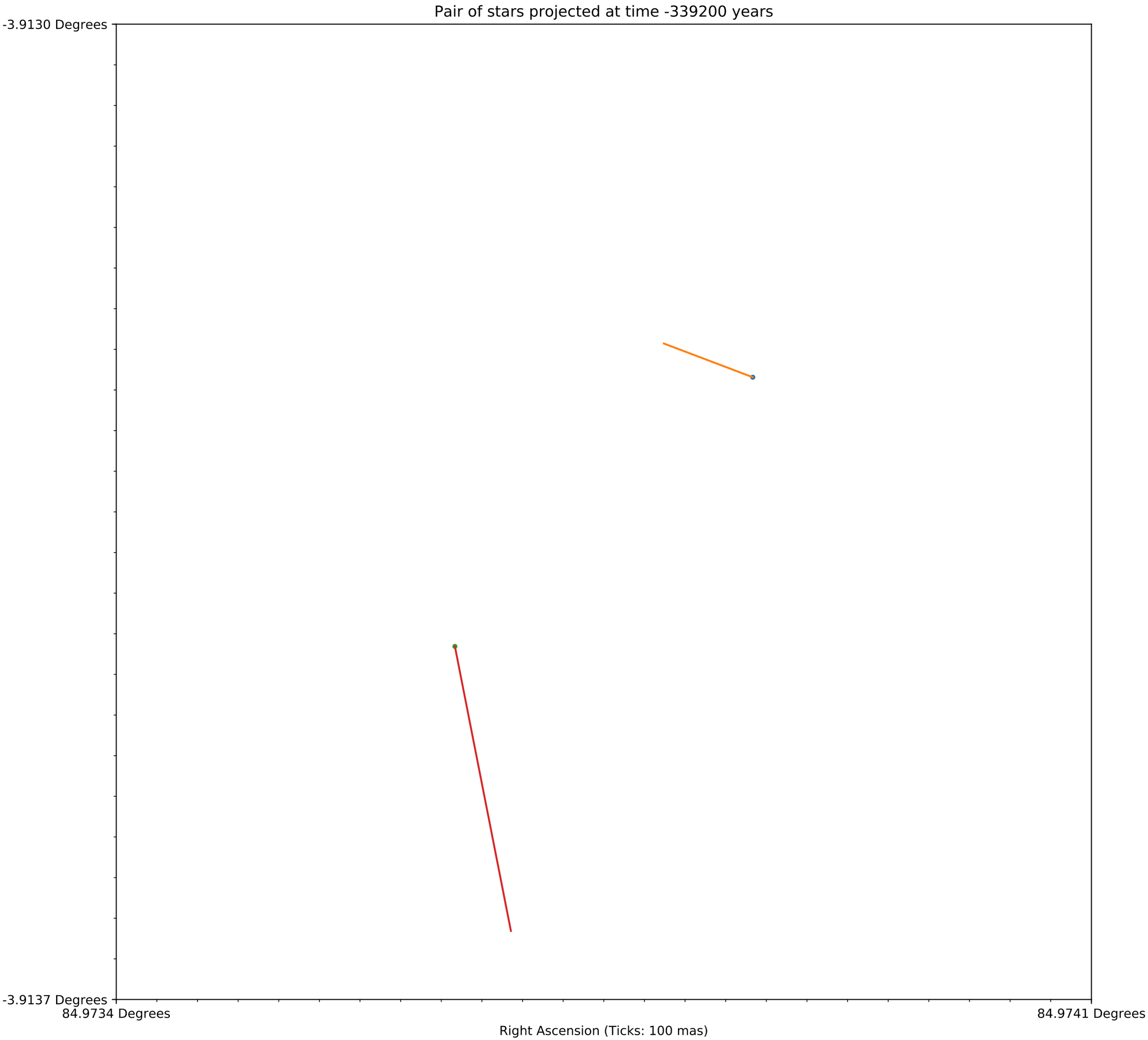

Pair of stars projected at time -329300 years
-6.1657 Degrees
-6.1660 Degrees
83.4299 Degrees
83.4303 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -329900 years
-4.5877 Degrees
-4.5889 Degrees
84.0042 Degrees
84.0055 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -329900 years
-4.6480 Degrees
-4.6486 Degrees
83.7121 Degrees
83.7127 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -332300 years
-5.5949 Degrees
-5.5957 Degrees
83.7255 Degrees
83.7263 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

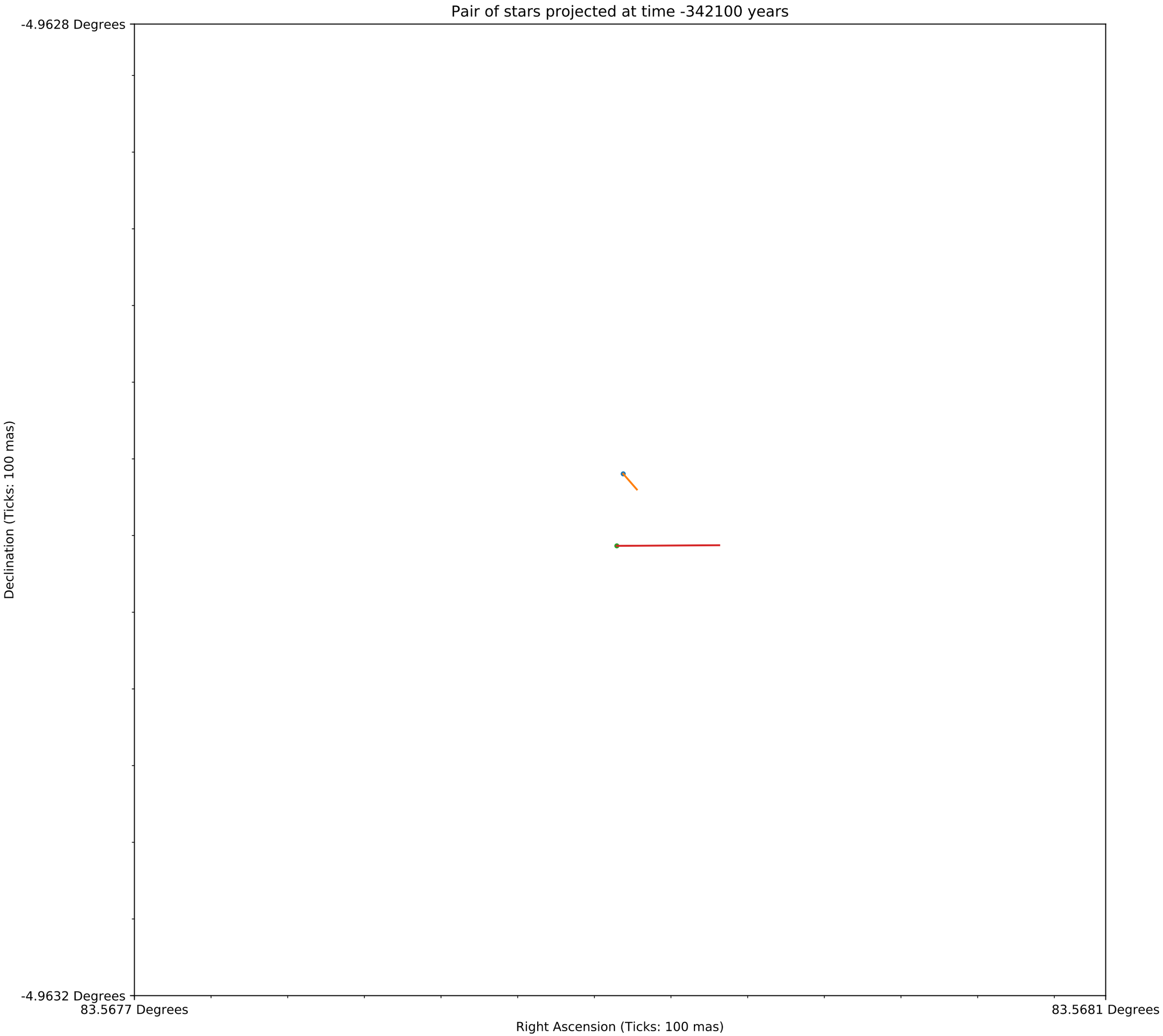

Pair of stars projected at time -337200 years
-6.9851 Degrees
Declination (Ticks: 100 mas)
-6.9855 Degrees
83.3329 Degrees
83.3333 Degrees
Right Ascension (Ticks: 100 mas)

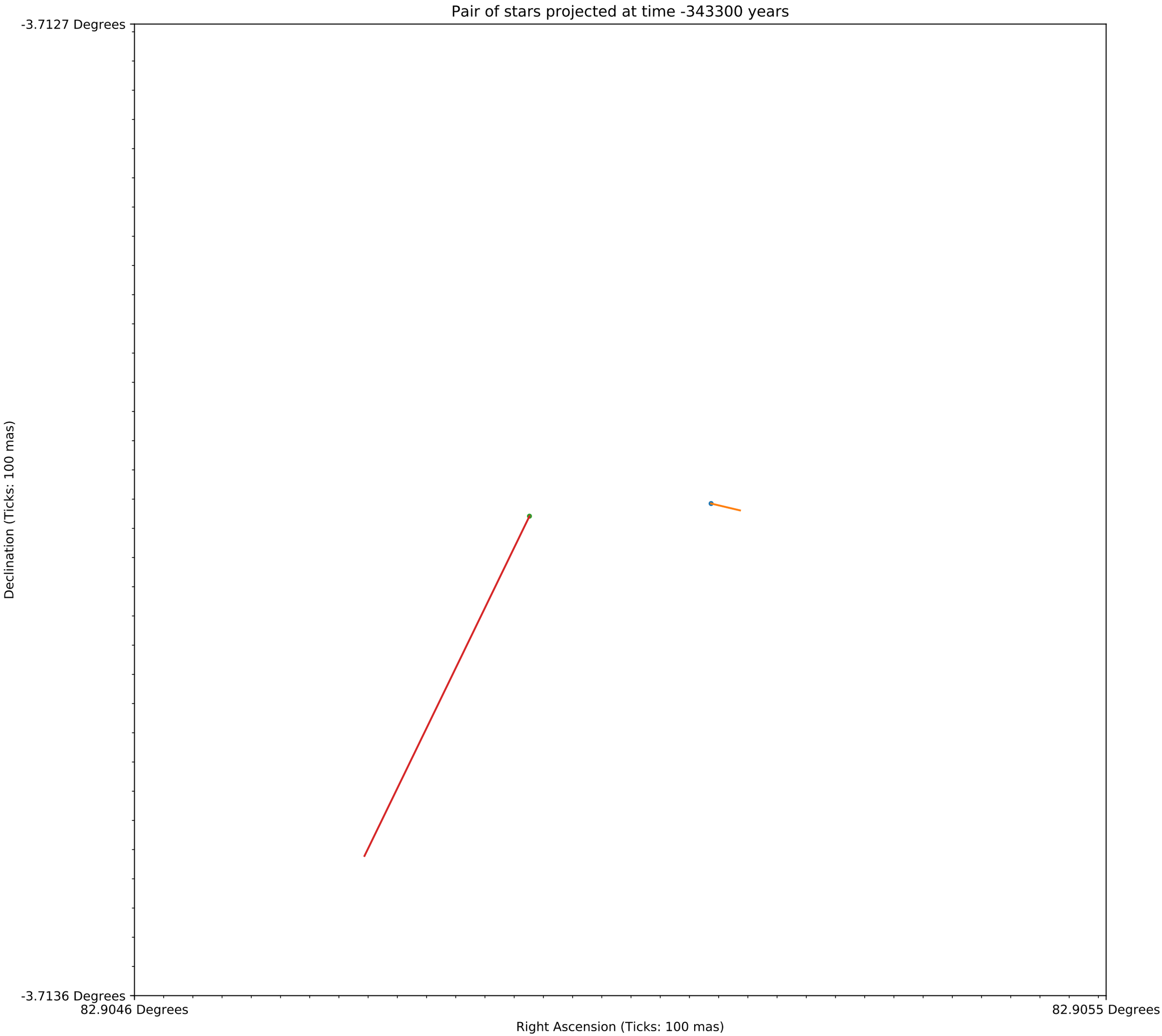

Pair of stars projected at time -339200 years
-3.9130 Degrees
-3.9137 Degrees
84.9734 Degrees
84.9741 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -339400 years
-5.3733 Degrees
-5.3738 Degrees
83.6642 Degrees
83.6647 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

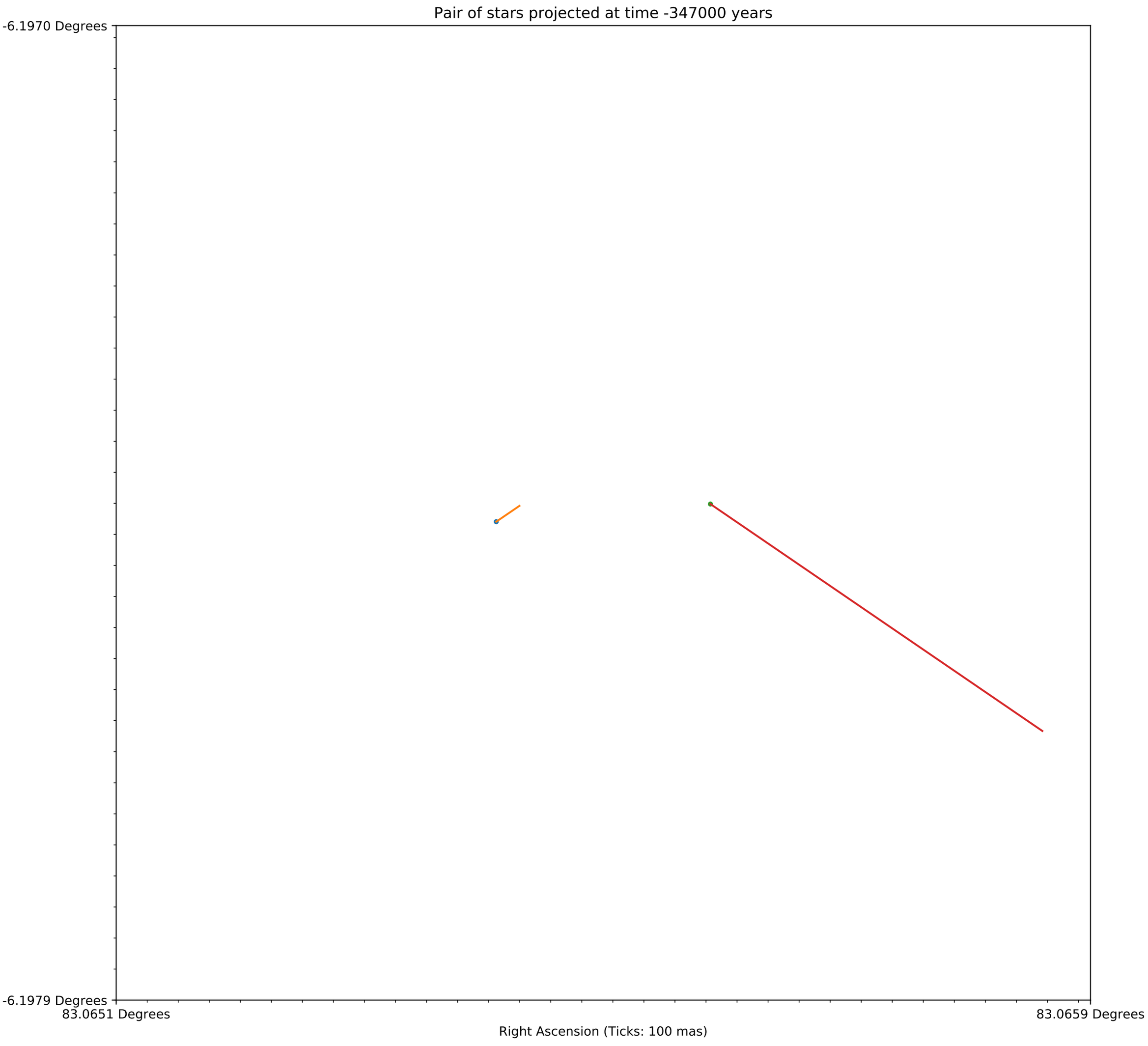
Pair of stars projected at time -340700 years
-4.3542 Degrees
-4.3546 Degrees
83.3153 Degrees
83.3157 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

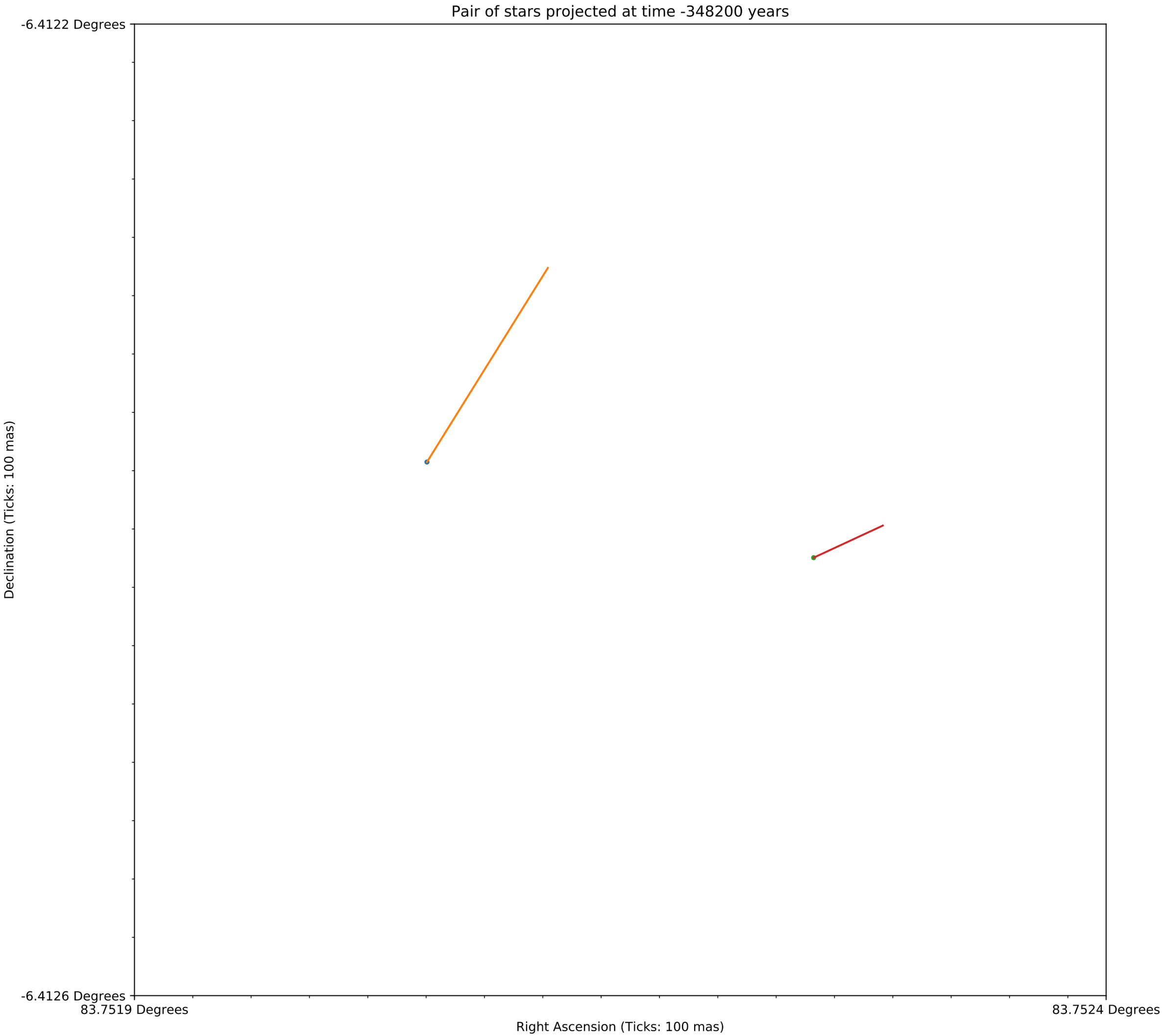
Pair of stars projected at time -342000 years
-5.5943 Degrees
Declination (Ticks: 100 mas)
-5.5947 Degrees
83.6221 Degrees
83.6225 Degrees
Right Ascension (Ticks: 100 mas)

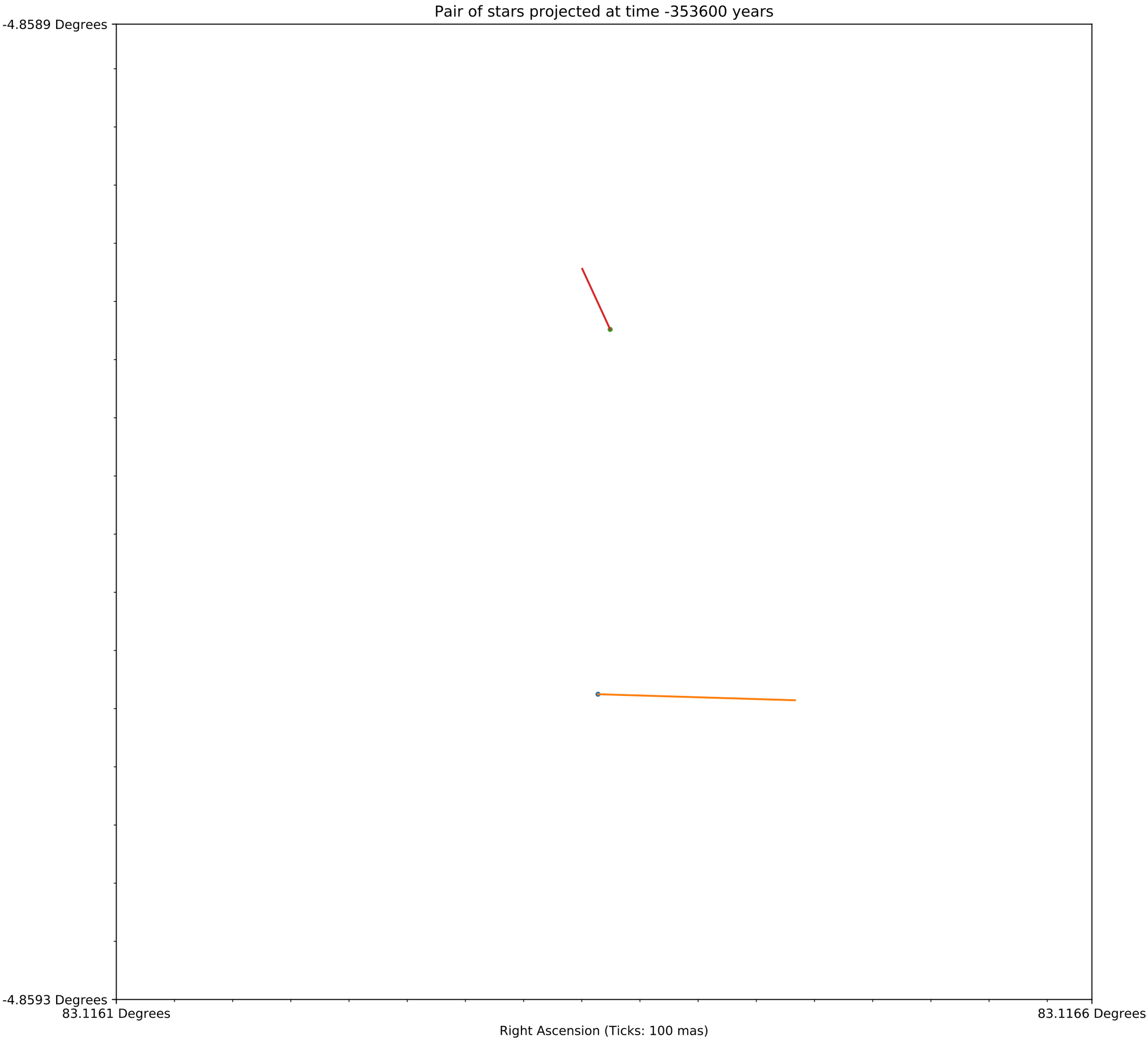

Pair of stars projected at time -342100 years
-4.9628 Degrees
Declination (Ticks: 100 mas)
-4.9632 Degrees
83.5677 Degrees
83.5681 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -343300 years
-3.7127 Degrees
Declination (Ticks: 100 mas)
-3.7136 Degrees
82.9046 Degrees
82.9055 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -346900 years
-5.2444 Degrees
-5.2451 Degrees
84.0031 Degrees
84.0038 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

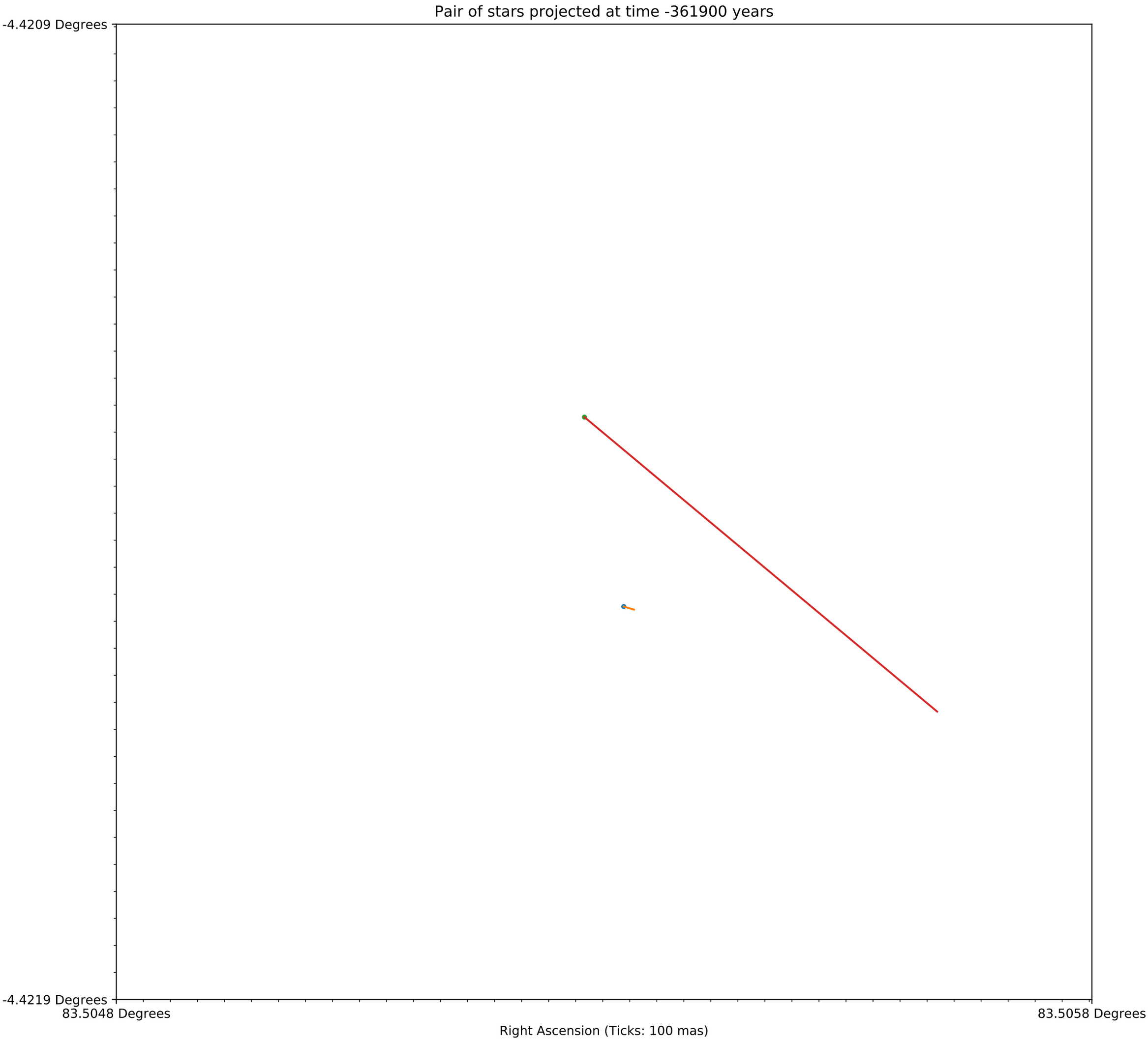

Pair of stars projected at time -347000 years
-6.1970 Degrees
Declination (Ticks: 100 mas)
-6.1979 Degrees
83.0651 Degrees
83.0659 Degrees
Right Ascension (Ticks: 100 mas)

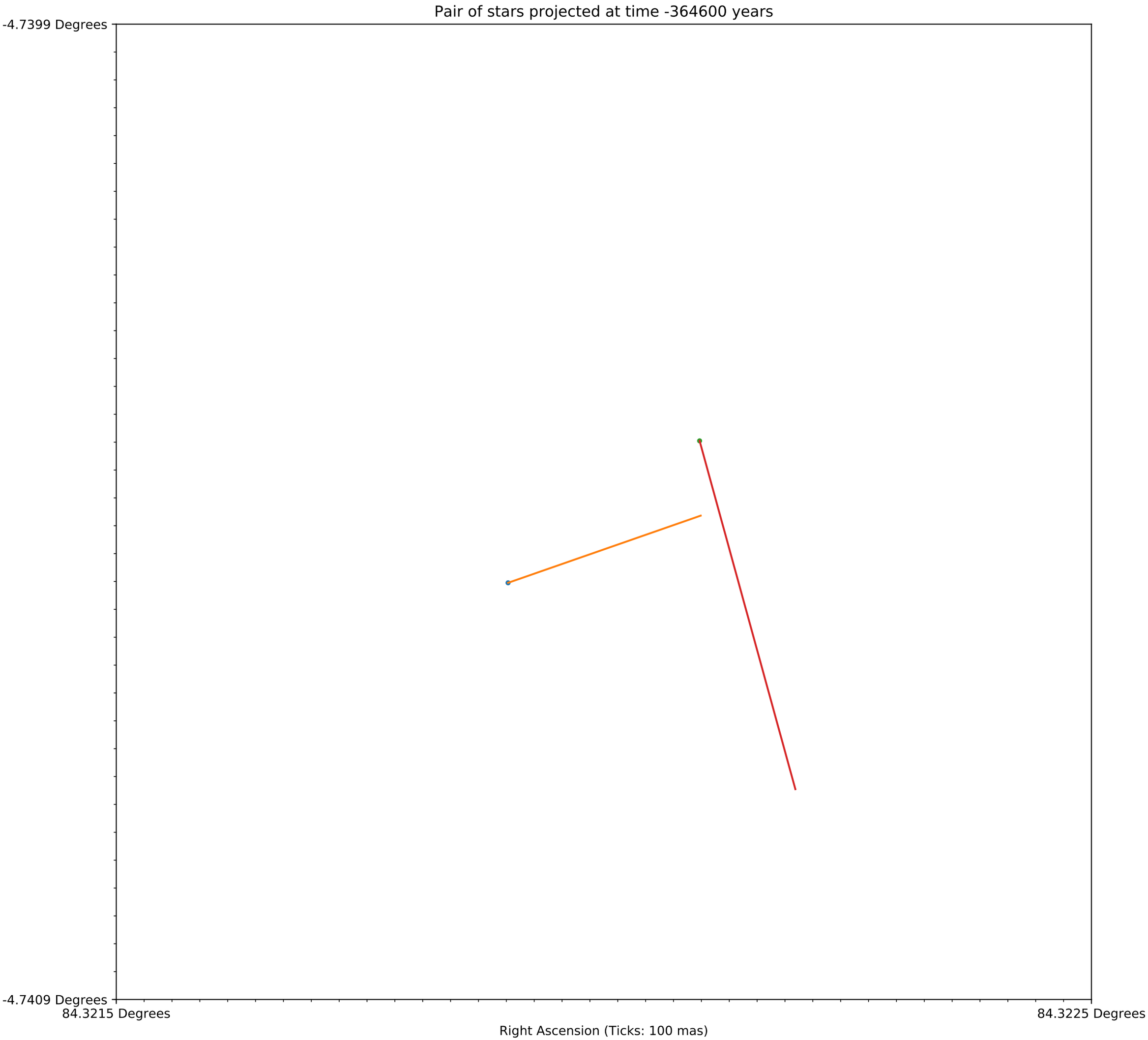

Pair of stars projected at time -348200 years
-6.4122 Degrees
Declination (Ticks: 100 mas)
-6.4126 Degrees
83.7519 Degrees
83.7524 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -353600 years
-4.8589 Degrees
Declination (Ticks: 100 mas)
-4.8593 Degrees
83.1161 Degrees
83.1166 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -354300 years
-5.1841 Degrees
-5.1846 Degrees
83.3825 Degrees
83.3831 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

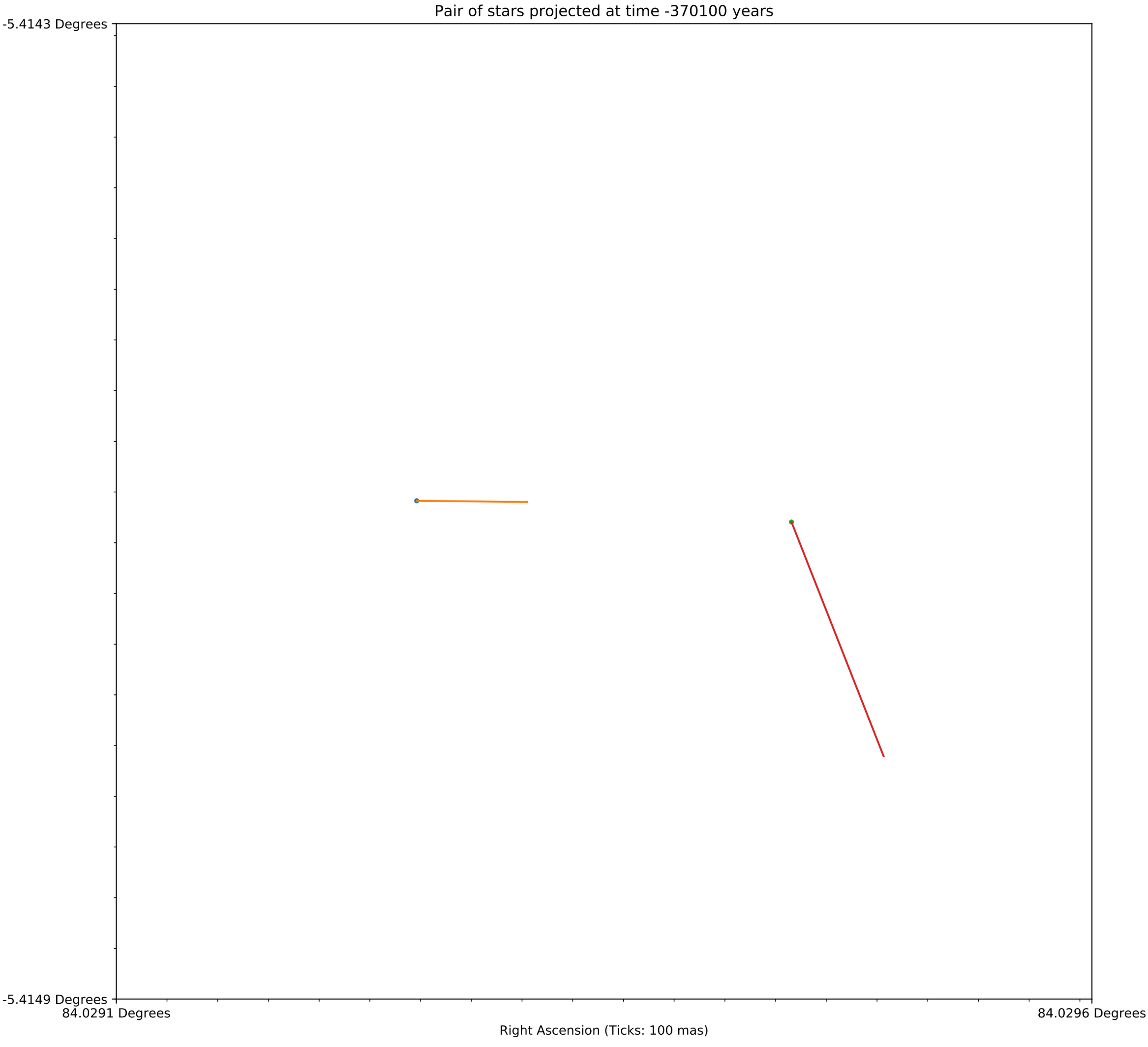
Pair of stars projected at time -359700 years
-4.3414 Degrees
Declination (Ticks: 100 mas)
-4.3424 Degrees
84.7705 Degrees
84.7715 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -361900 years
-4.4209 Degrees
-4.4219 Degrees
83.5048 Degrees
83.5058 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

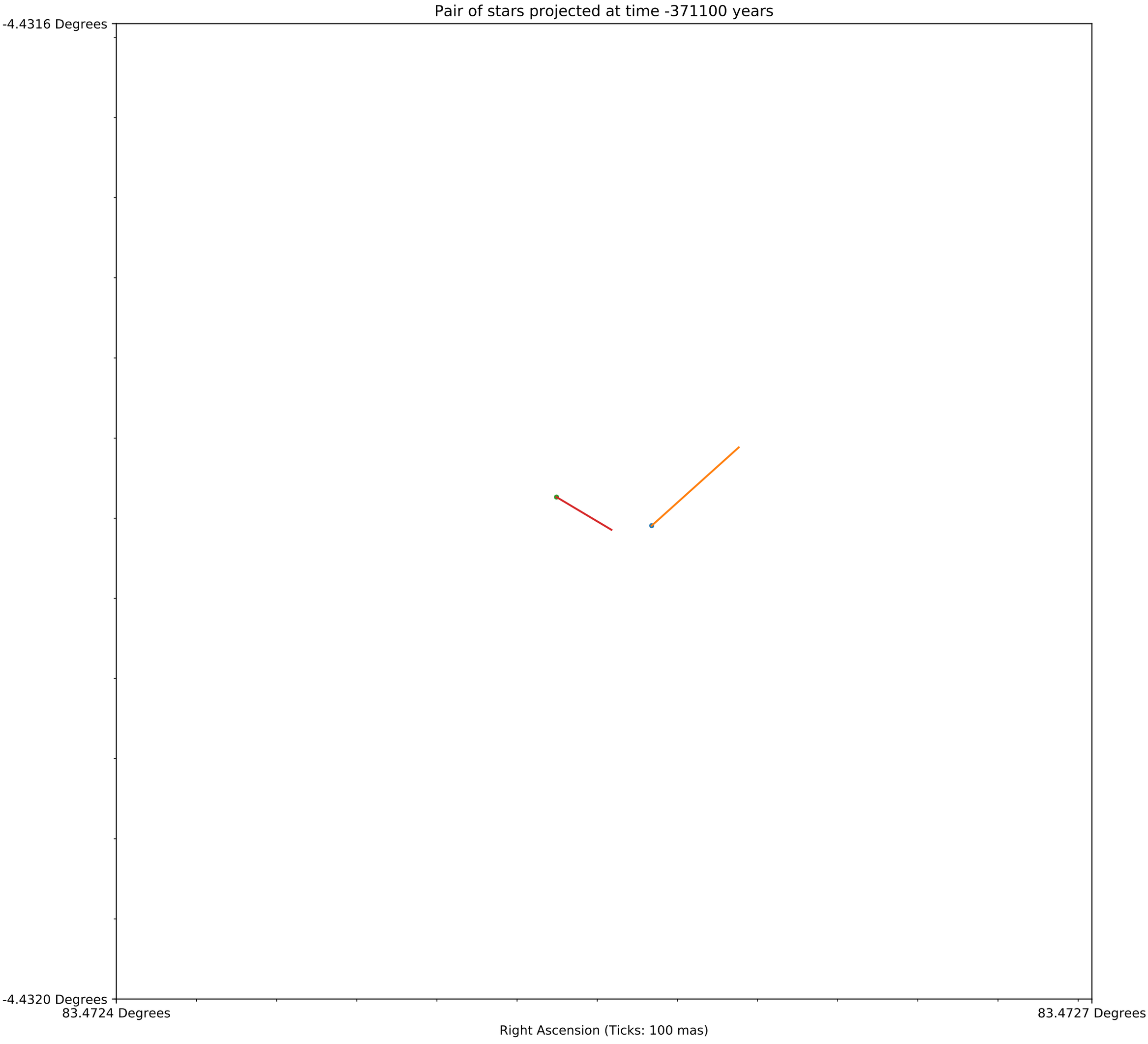

Pair of stars projected at time -364600 years
-4.7399 Degrees
Declination (Ticks: 100 mas)
-4.7409 Degrees
84.3215 Degrees
84.3225 Degrees
Right Ascension (Ticks: 100 mas)

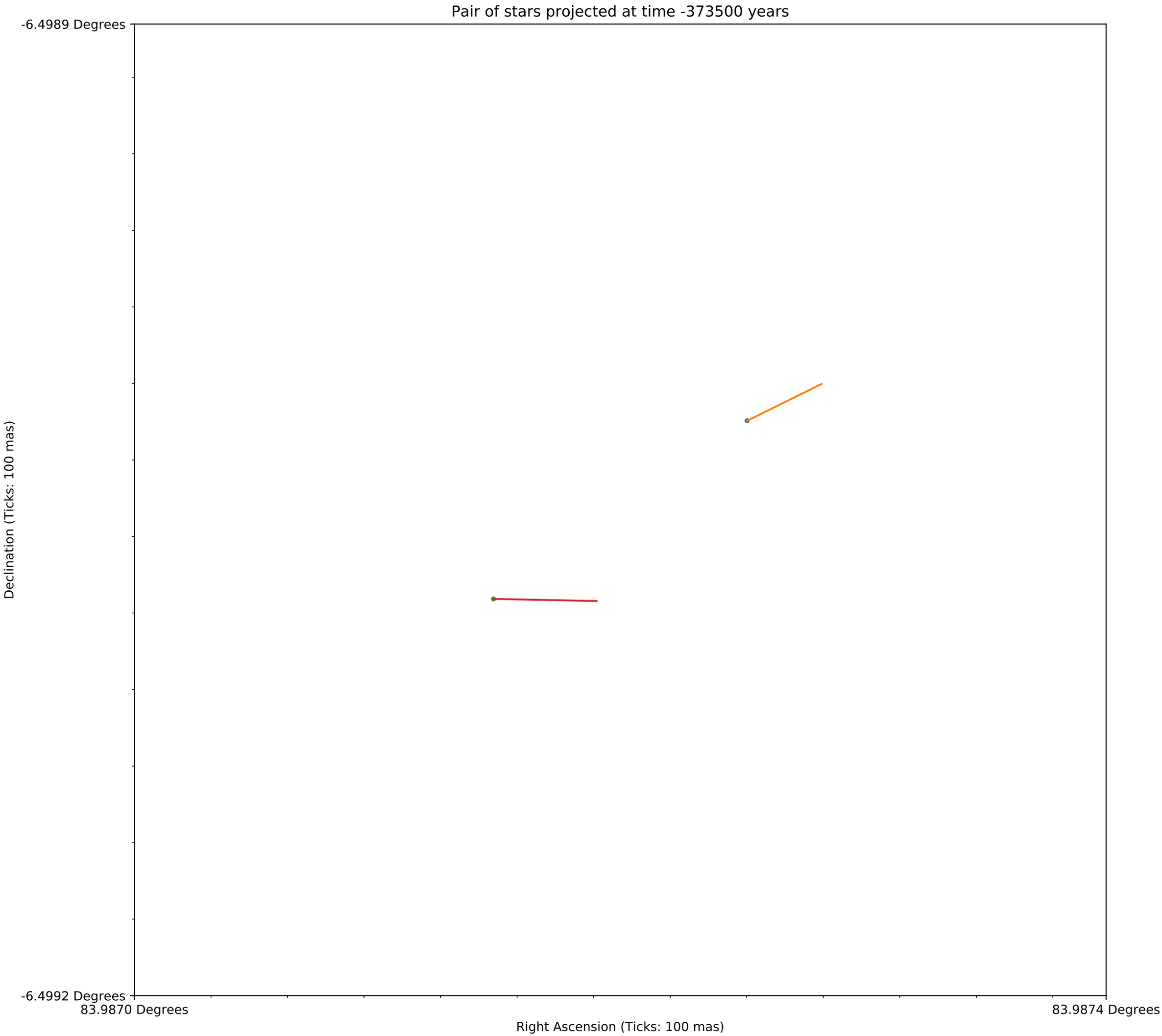
Pair of stars projected at time -364800 years
-5.1805 Degrees
-5.1810 Degrees
84.0462 Degrees
84.0467 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

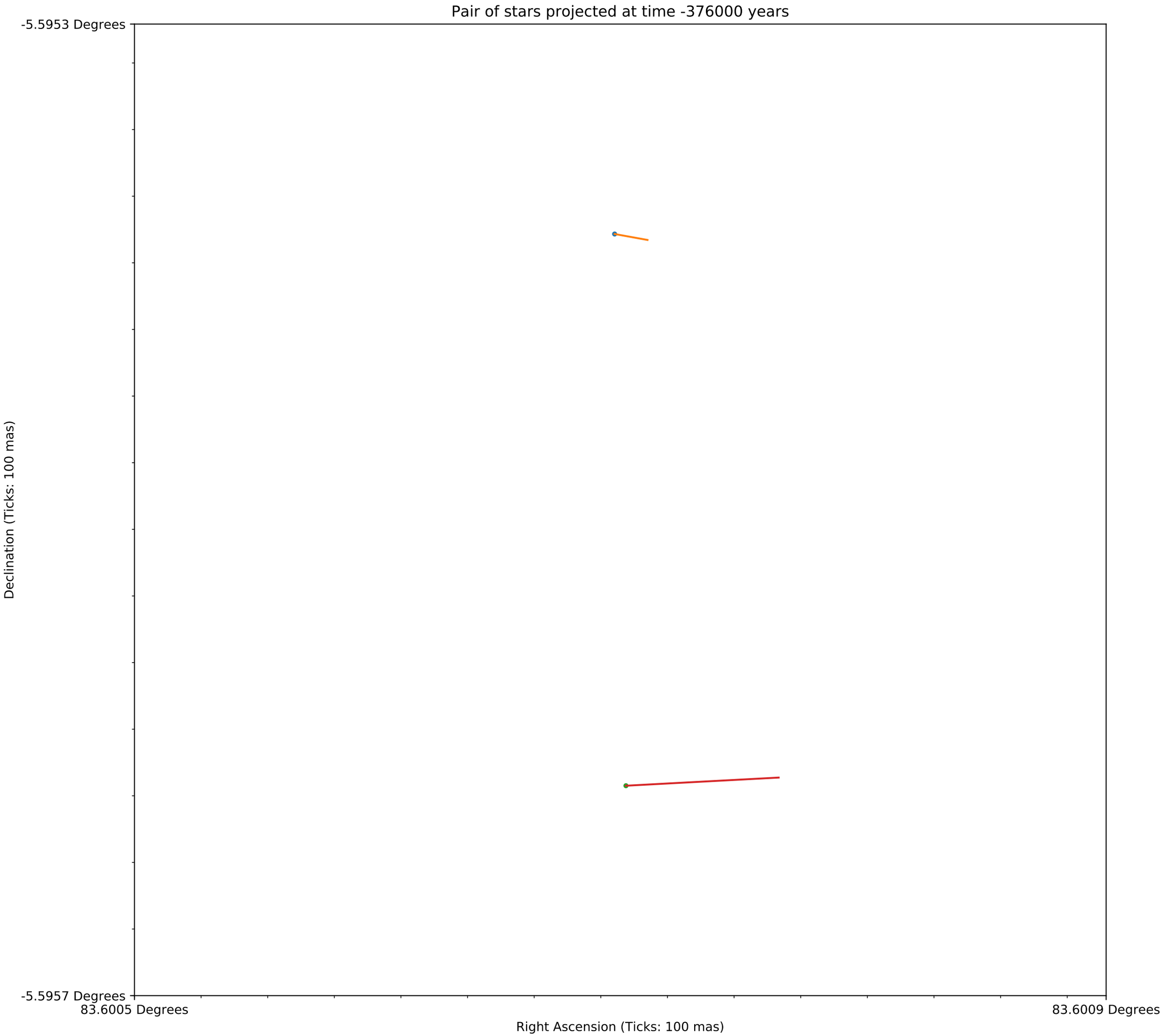
Pair of stars projected at time -364900 years
-5.3064 Degrees
Declination (Ticks: 100 mas)
-5.3068 Degrees
83.7022 Degrees
83.7025 Degrees
Right Ascension (Ticks: 100 mas)

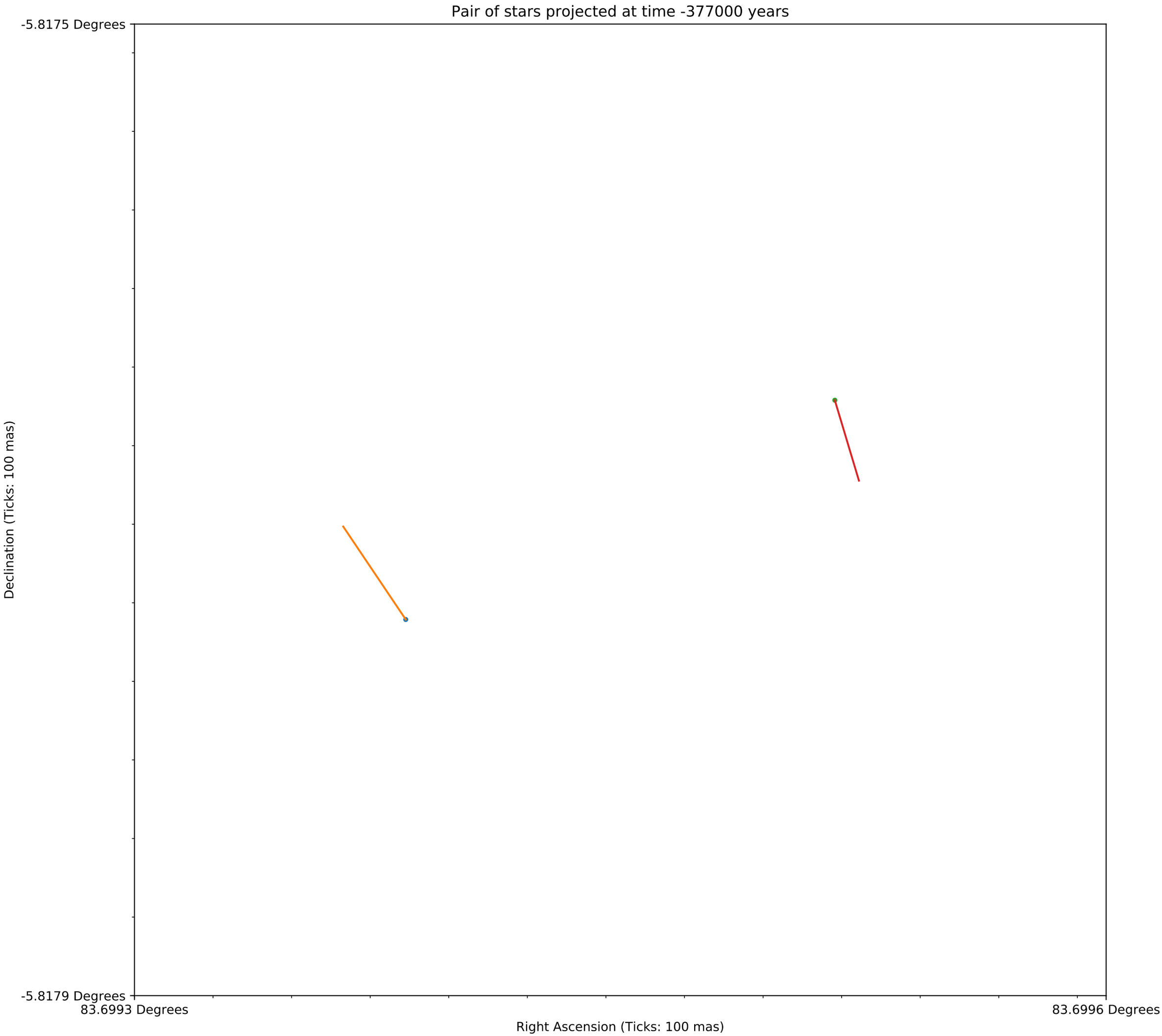

Pair of stars projected at time -370100 years
-5.4143 Degrees
Declination (Ticks: 100 mas)
-5.4149 Degrees
84.0291 Degrees
84.0296 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -370200 years
-5.2213 Degrees
-5.2216 Degrees
84.0002 Degrees
84.0005 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

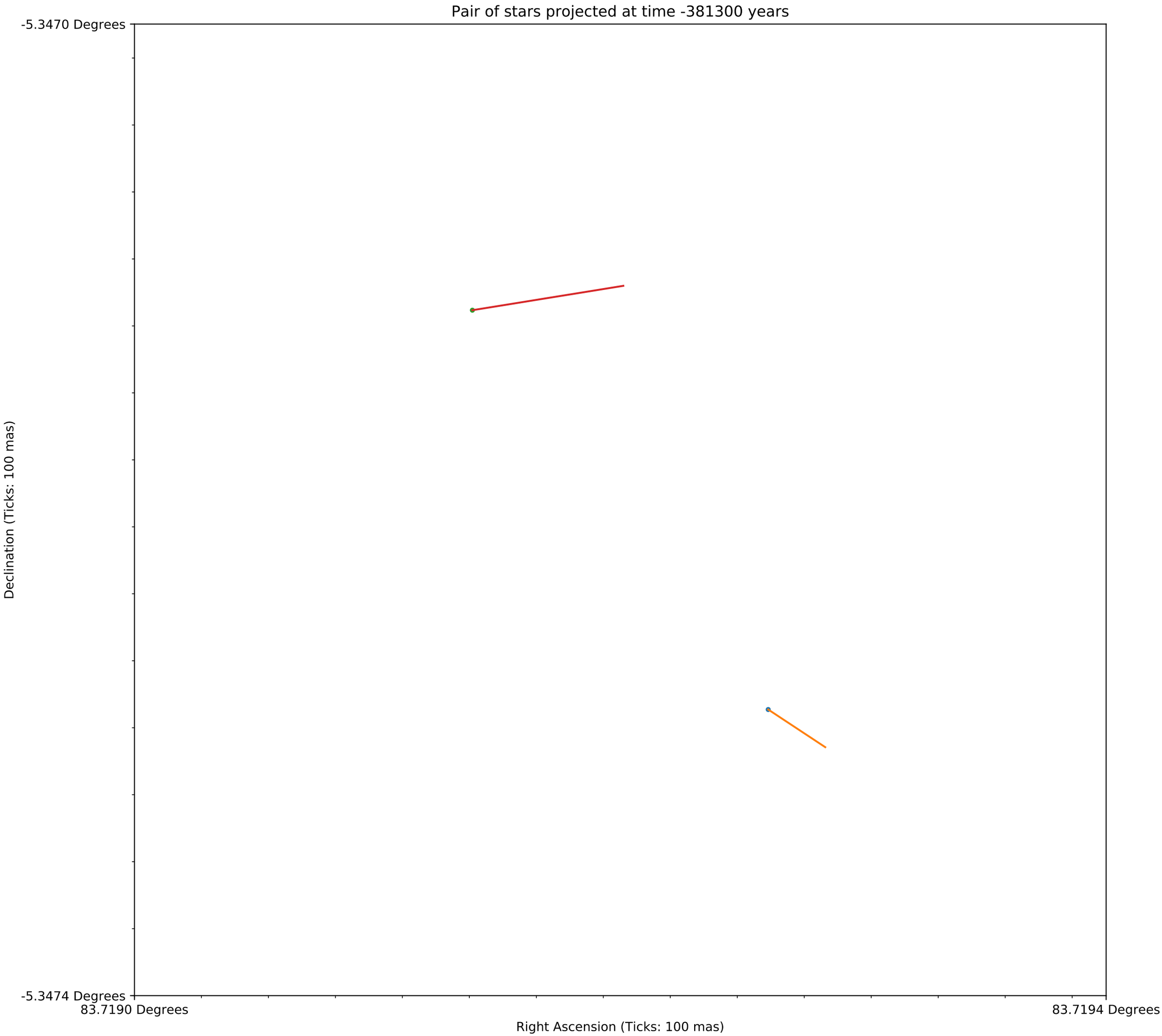

Pair of stars projected at time -371100 years
-4.4316 Degrees
-4.4320 Degrees
83.4724 Degrees
83.4727 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

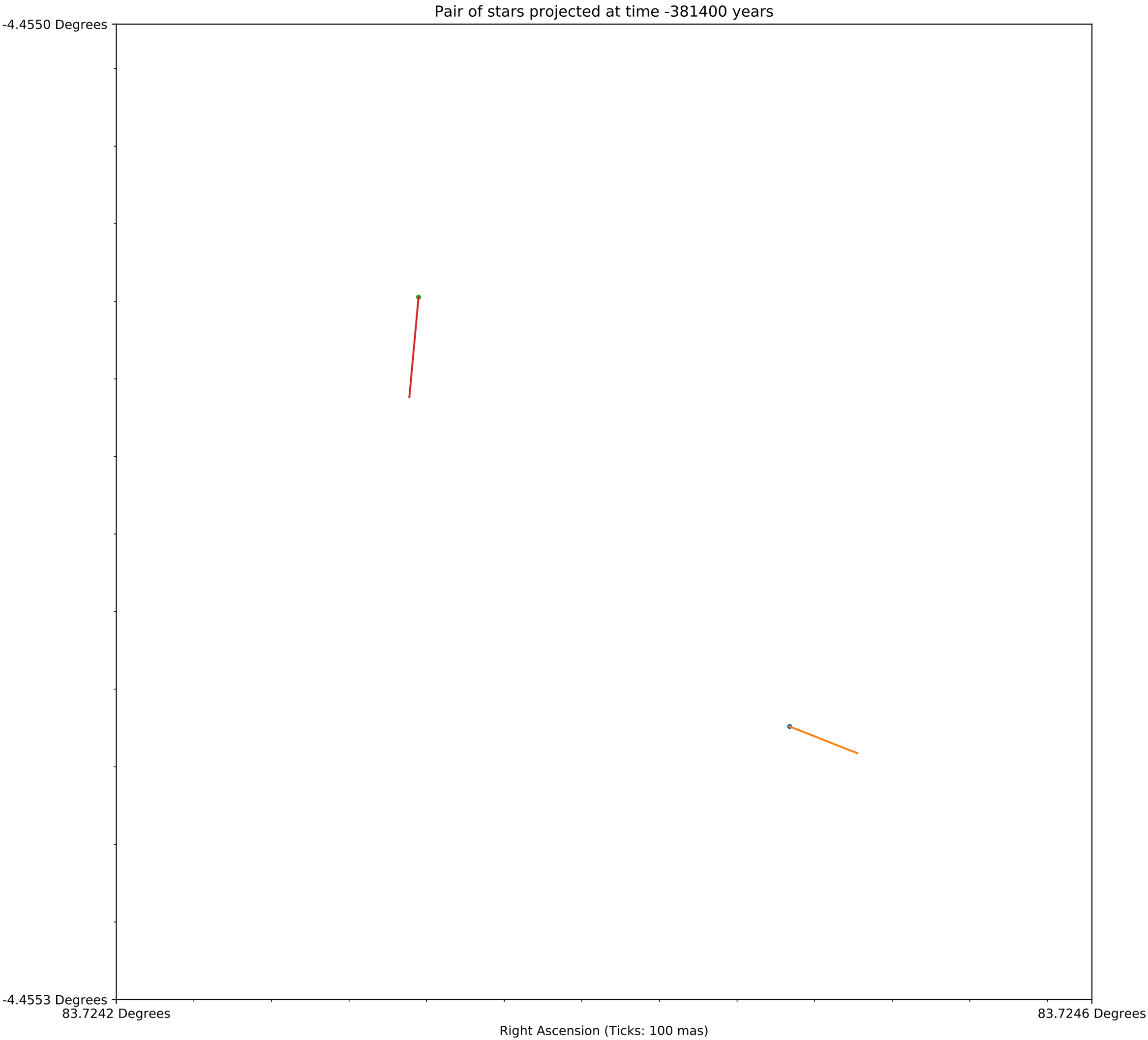

Pair of stars projected at time -373500 years
-6.4989 Degrees
-6.4992 Degrees
83.9870 Degrees
83.9874 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

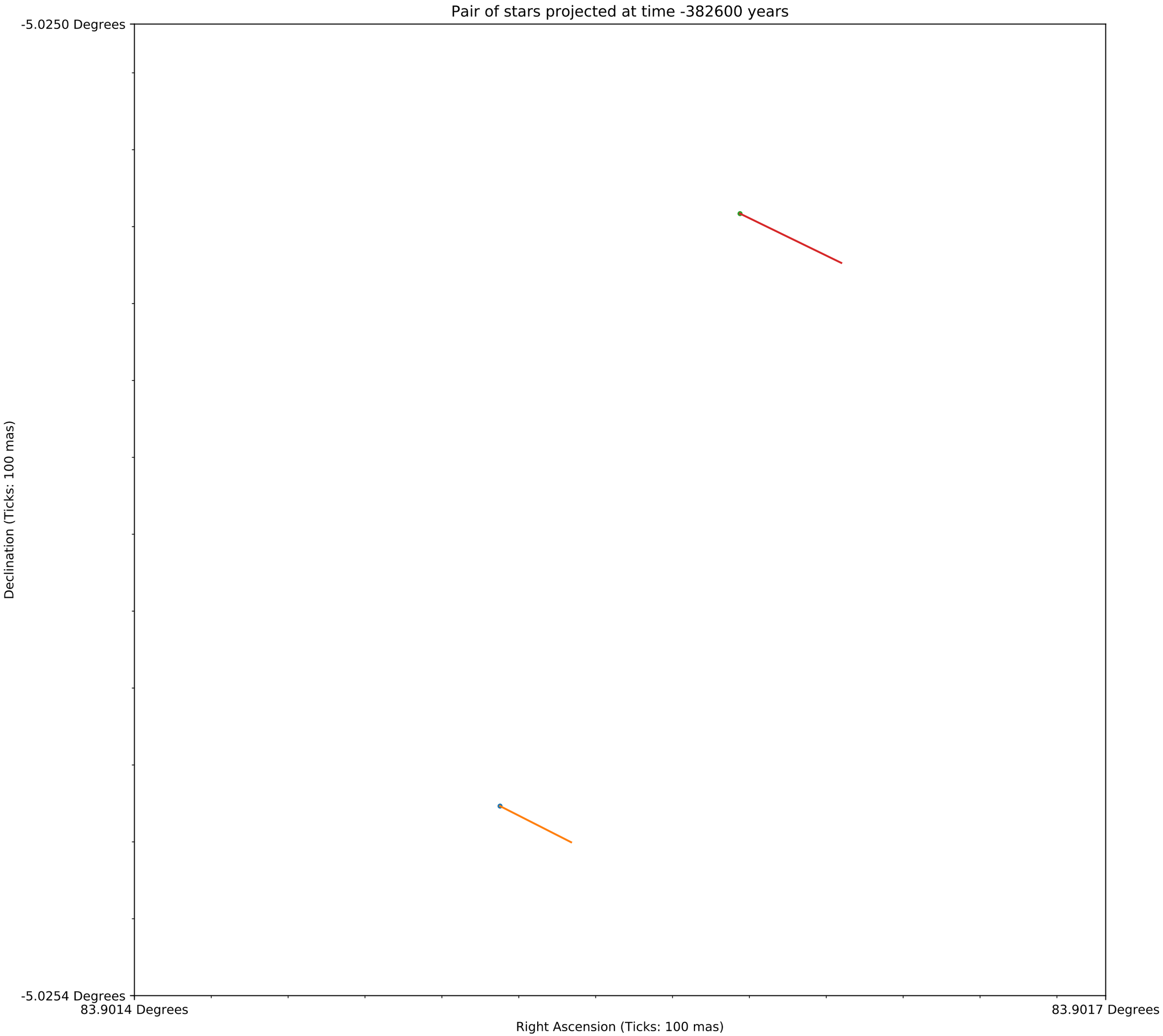

Pair of stars projected at time -376000 years
-5.5953 Degrees
-5.5957 Degrees
83.6005 Degrees
83.6009 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

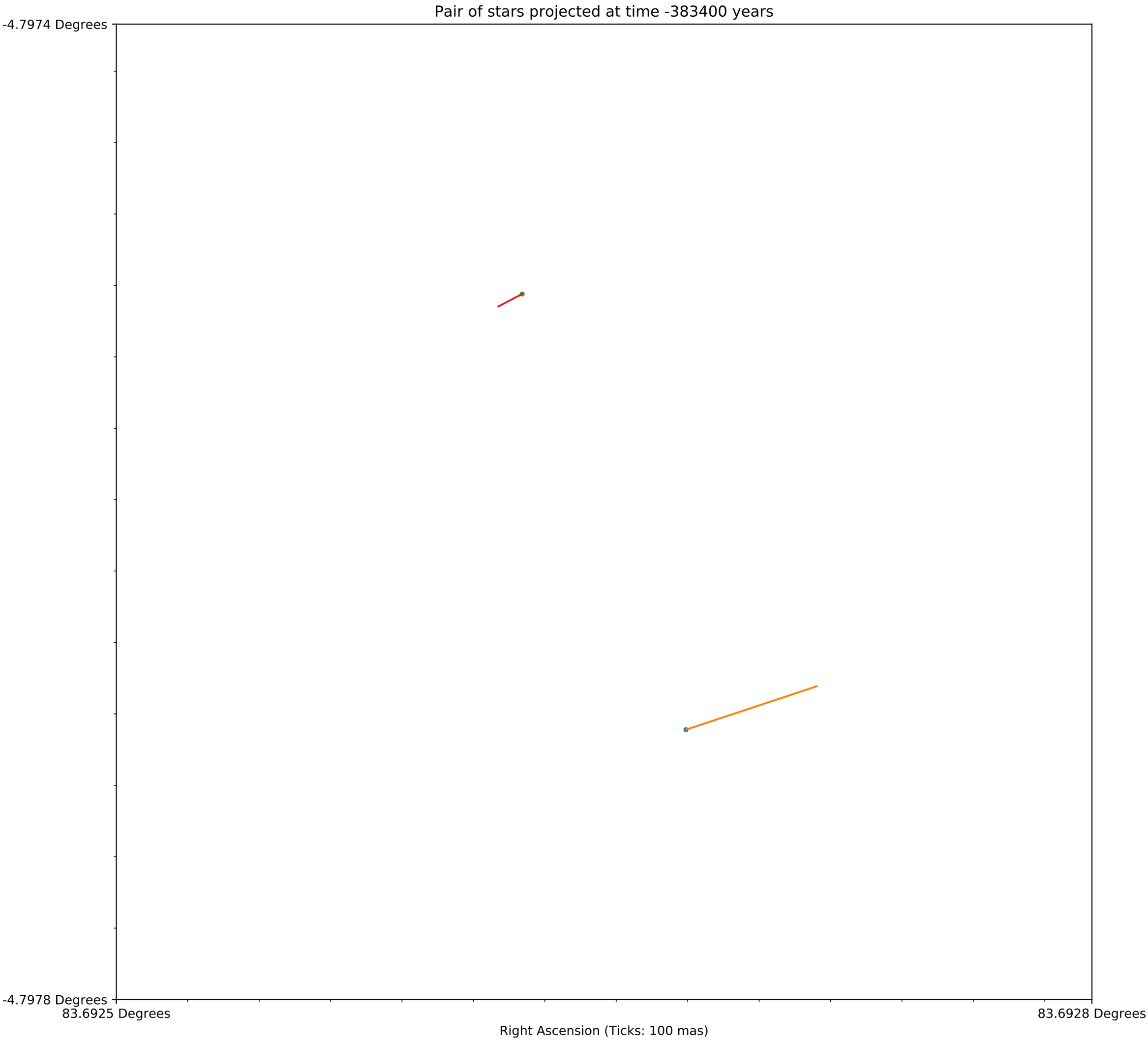

Pair of stars projected at time -377000 years
-5.8175 Degrees
-5.8179 Degrees
83.6993 Degrees
83.6996 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

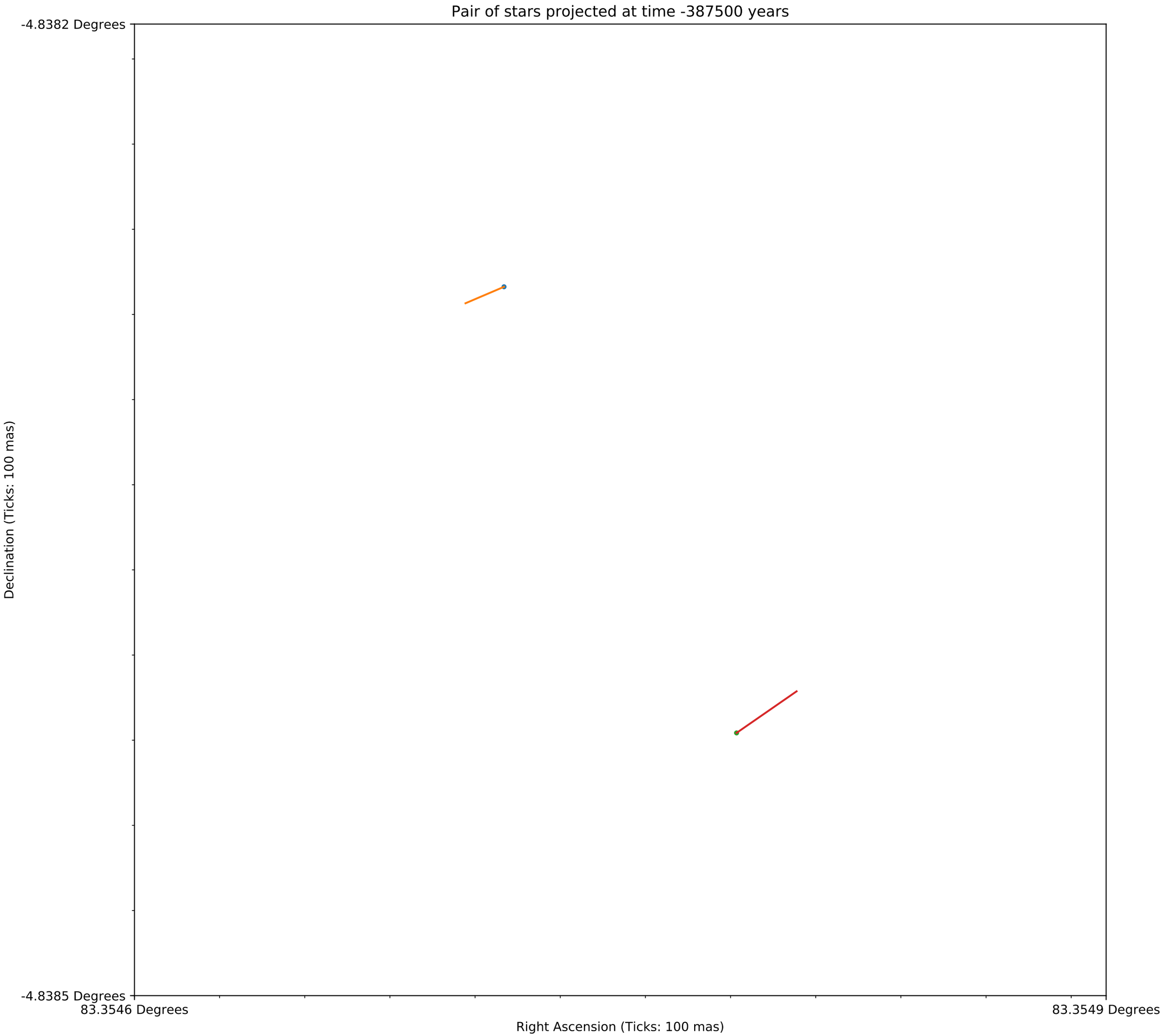
Pair of stars projected at time -380900 years
-5.3790 Degrees
-5.3794 Degrees
83.6195 Degrees
83.6199 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

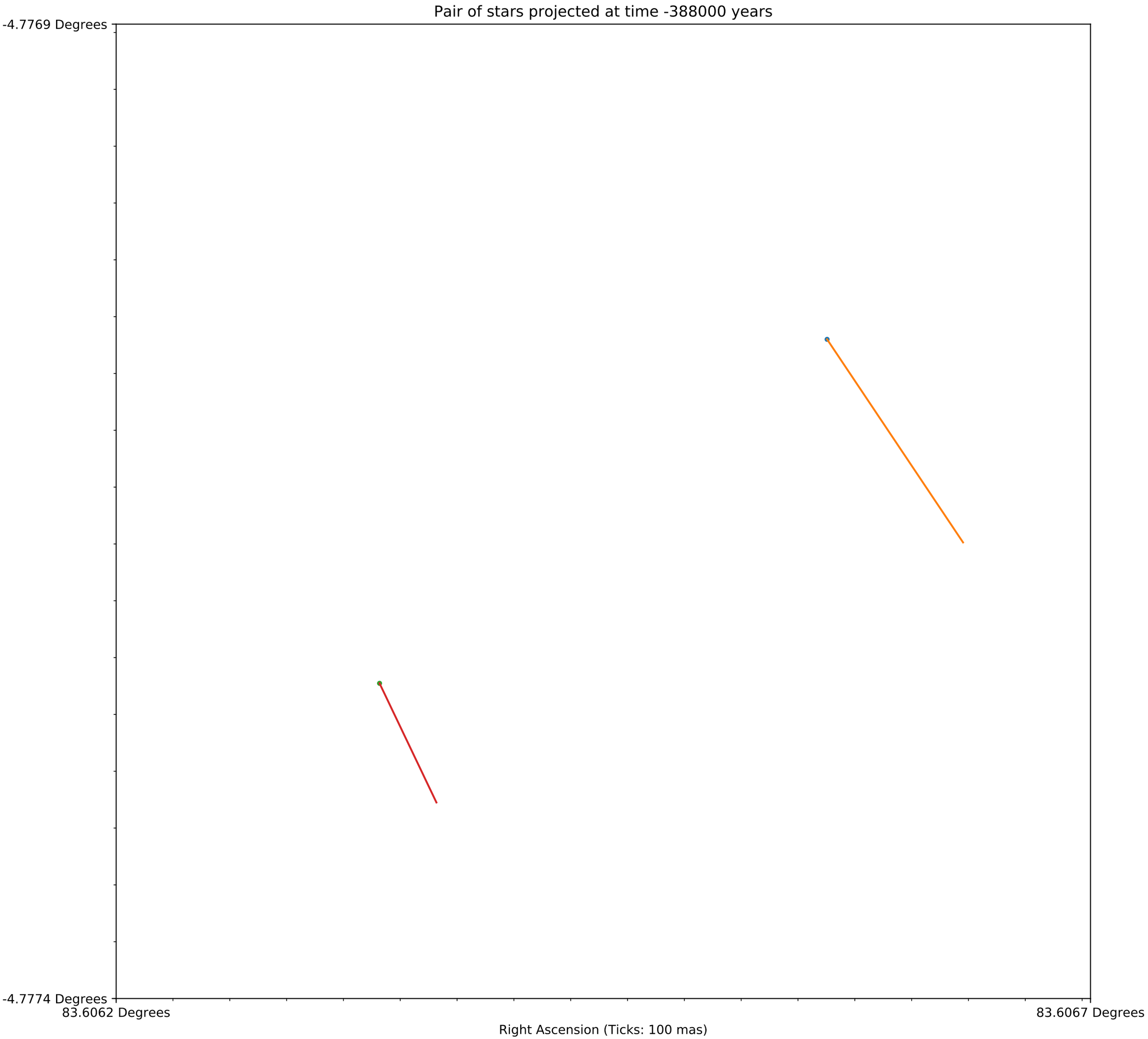

Pair of stars projected at time -381300 years
-5.3470 Degrees
Declination (Ticks: 100 mas)
-5.3474 Degrees
83.7190 Degrees
83.7194 Degrees
Right Ascension (Ticks: 100 mas)

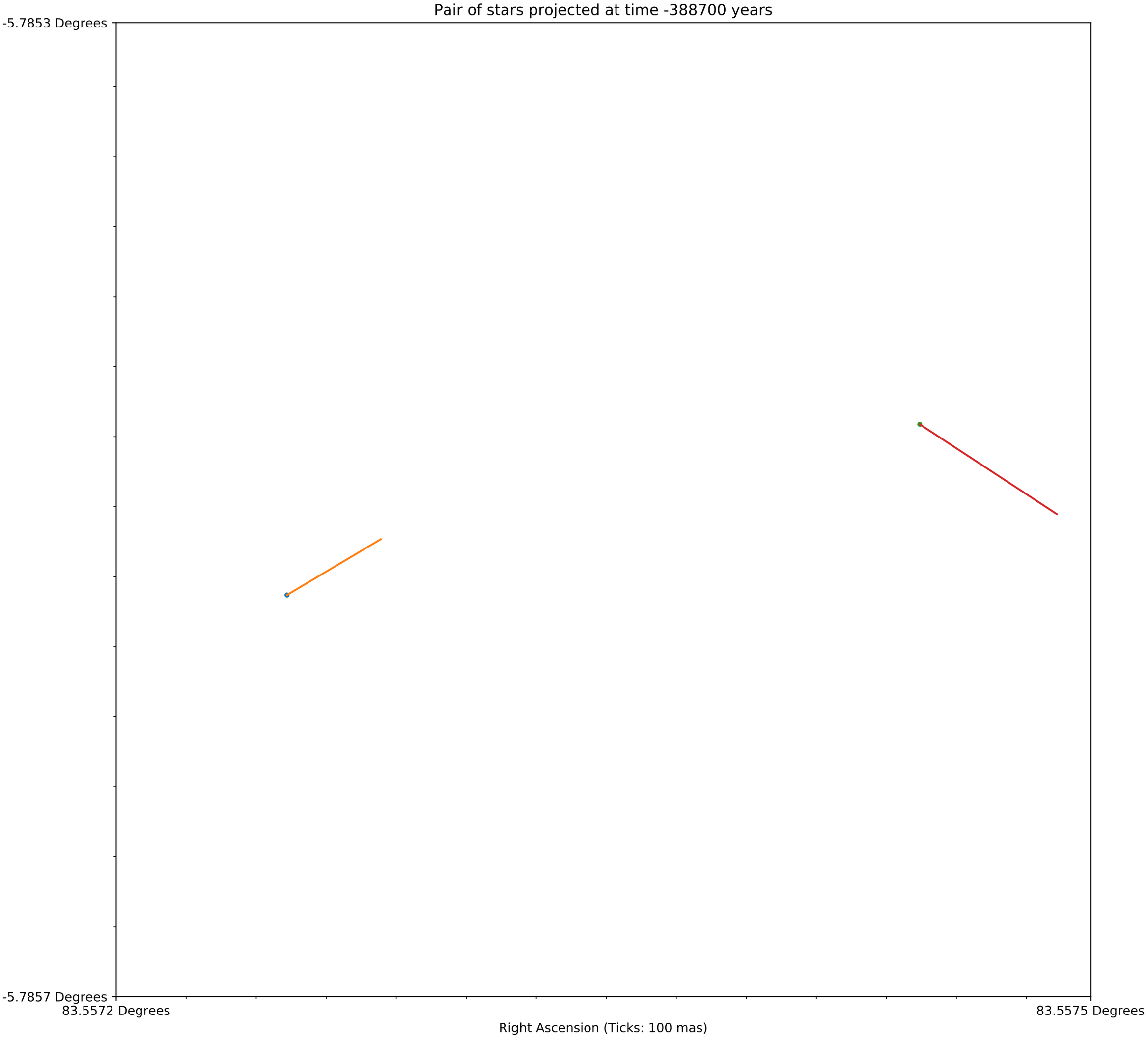

Pair of stars projected at time -381400 years
-4.4550 Degrees
-4.4553 Degrees
83.7242 Degrees
83.7246 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

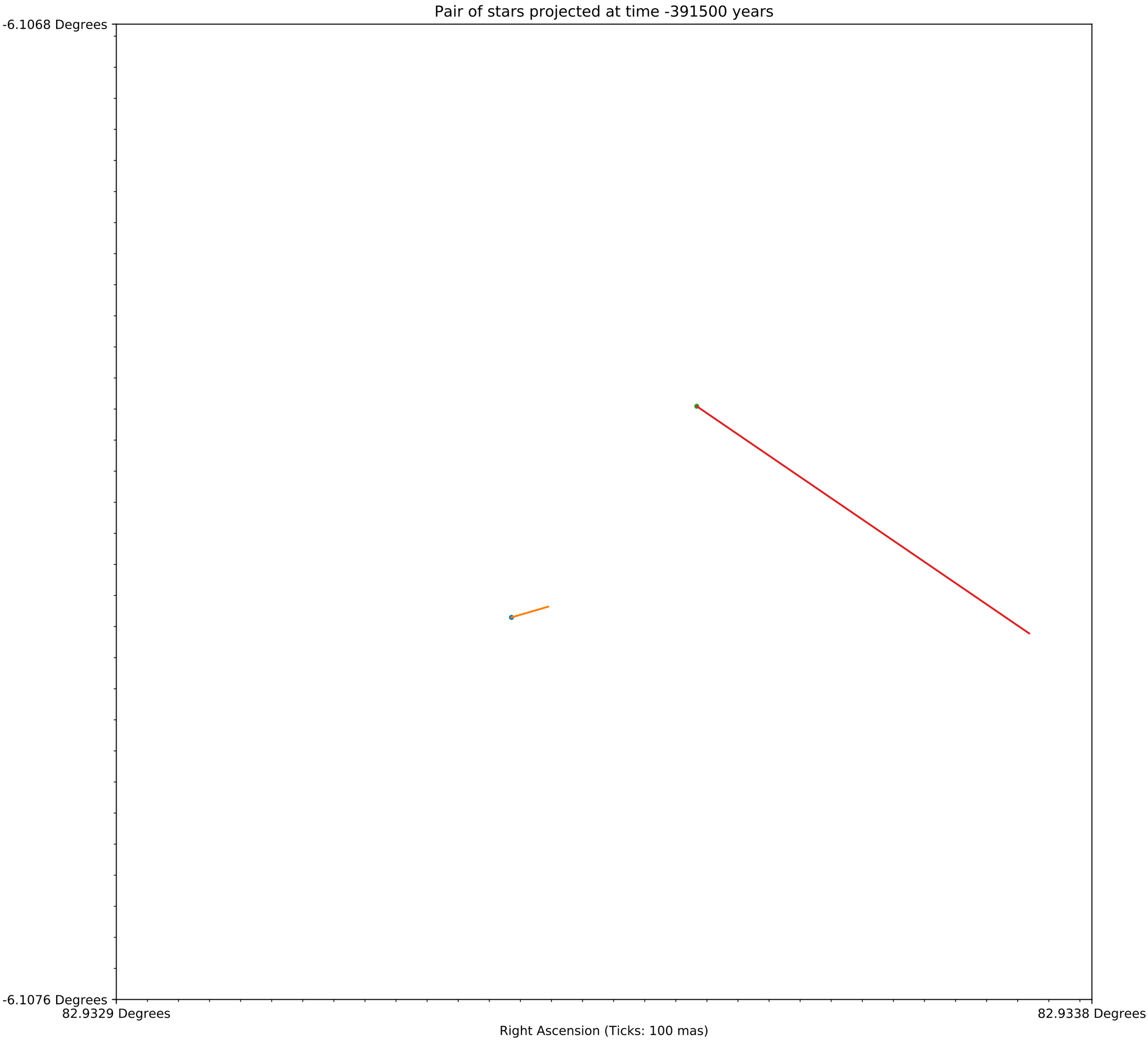

Pair of stars projected at time -382600 years
-5.0250 Degrees
-5.0254 Degrees
83.9014 Degrees
83.9017 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

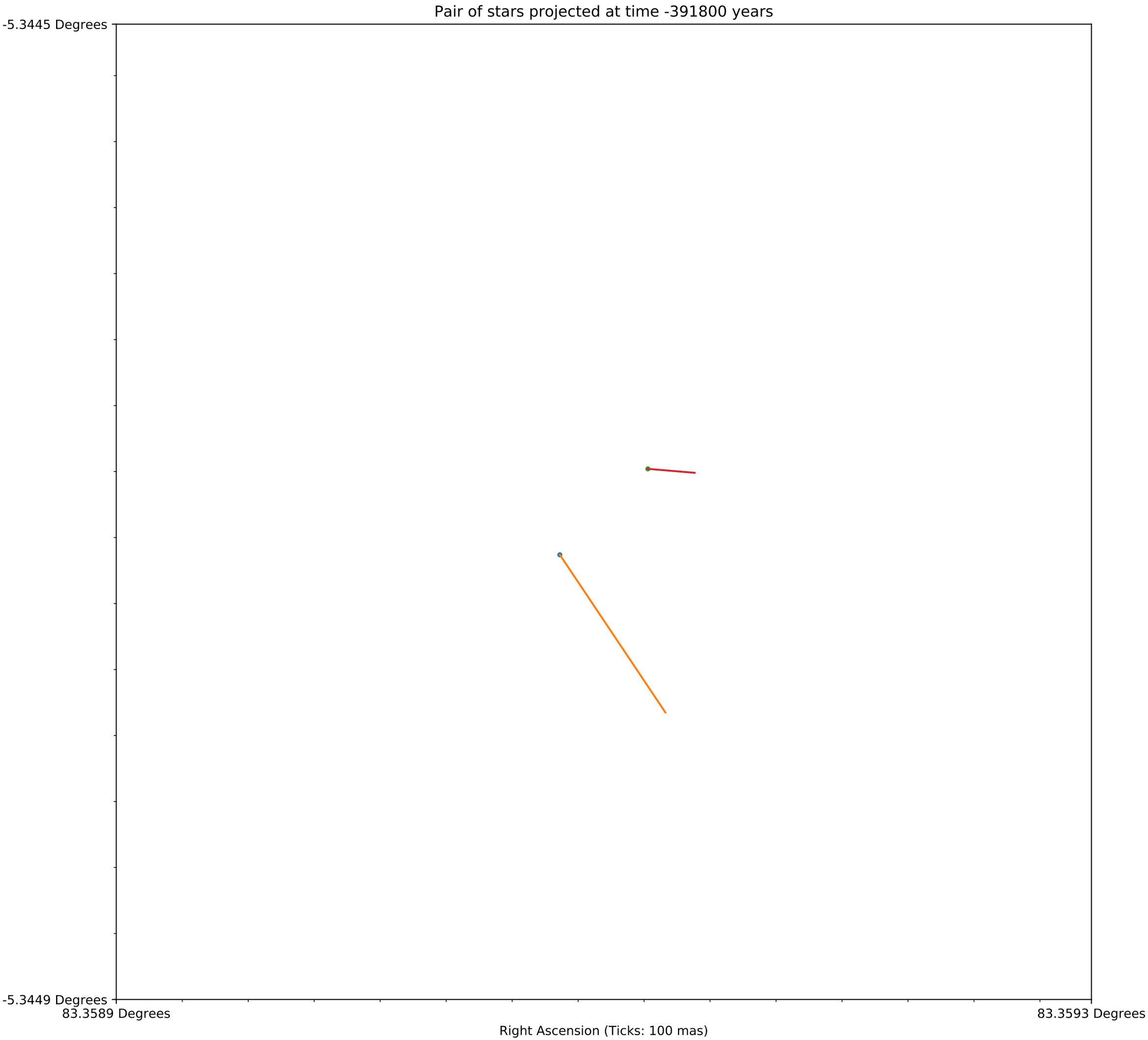

Pair of stars projected at time -383400 years
-4.7974 Degrees
-4.7978 Degrees
83.6925 Degrees
83.6928 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -387500 years
-4.8382 Degrees
-4.8385 Degrees
83.3546 Degrees
83.3549 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

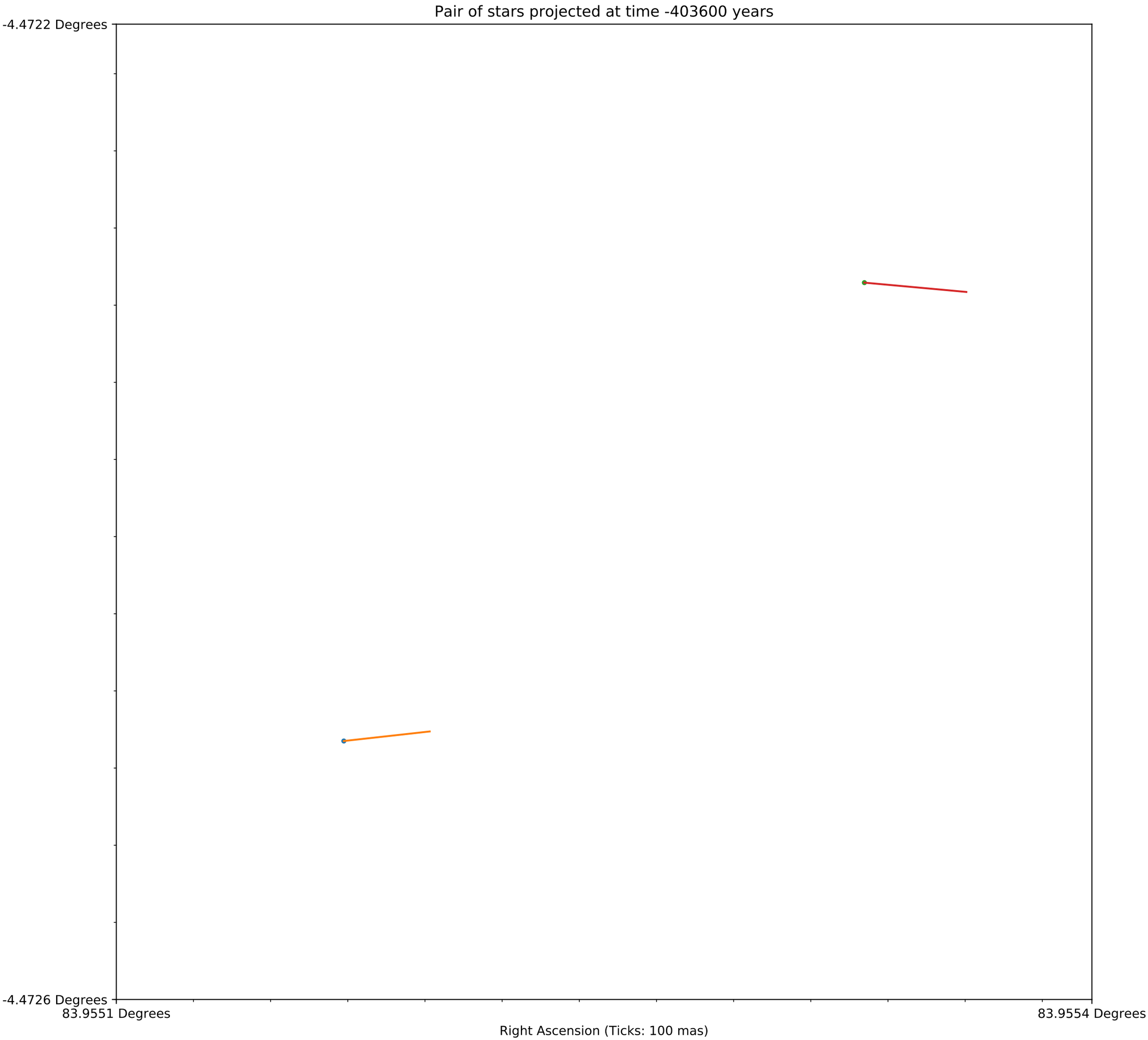

Pair of stars projected at time -388000 years
-4.7769 Degrees
Declination (Ticks: 100 mas)
-4.7774 Degrees
83.6062 Degrees
83.6067 Degrees
Right Ascension (Ticks: 100 mas)

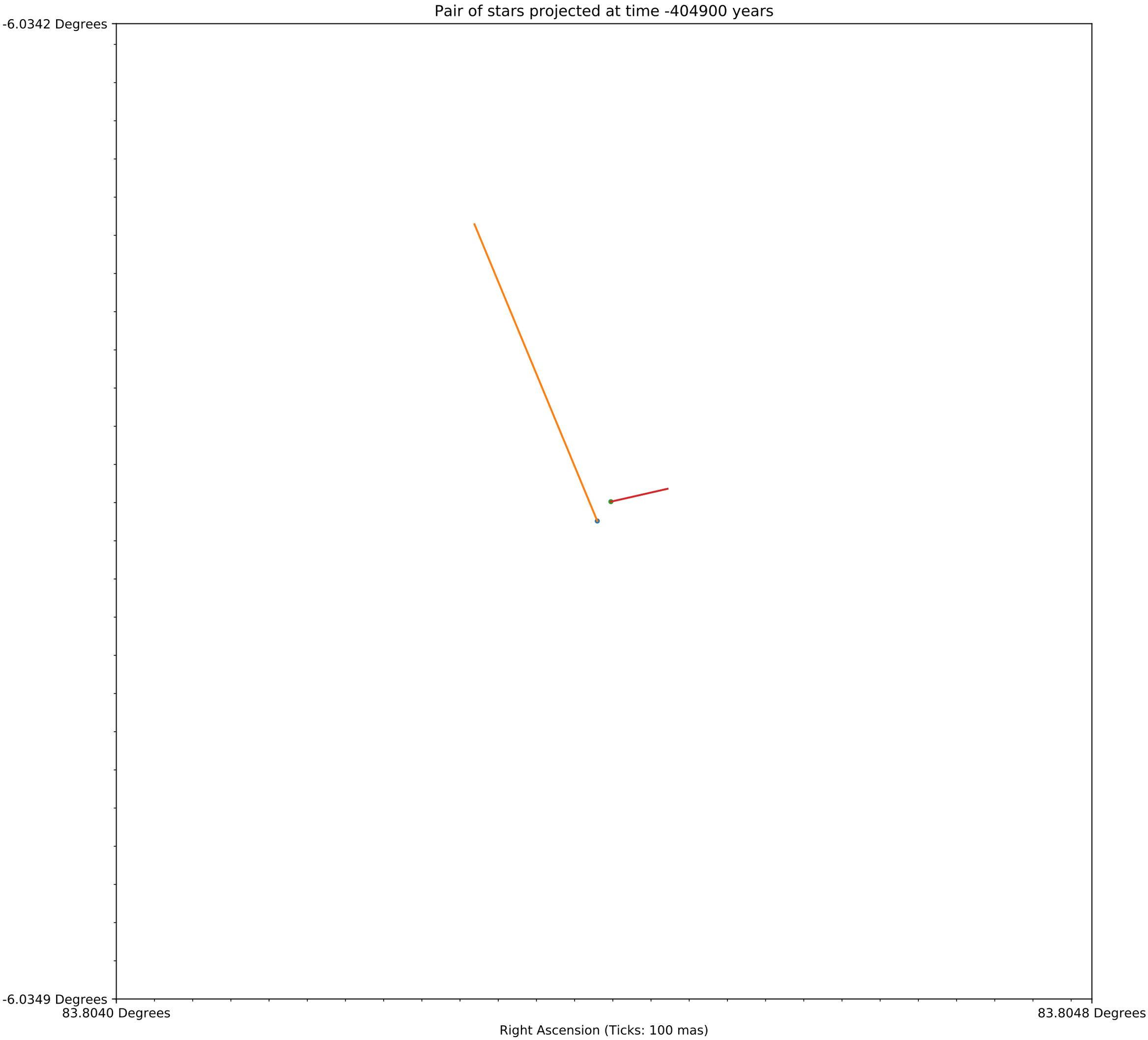

Pair of stars projected at time -388700 years
-5.7853 Degrees
-5.7857 Degrees
83.5572 Degrees
83.5575 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

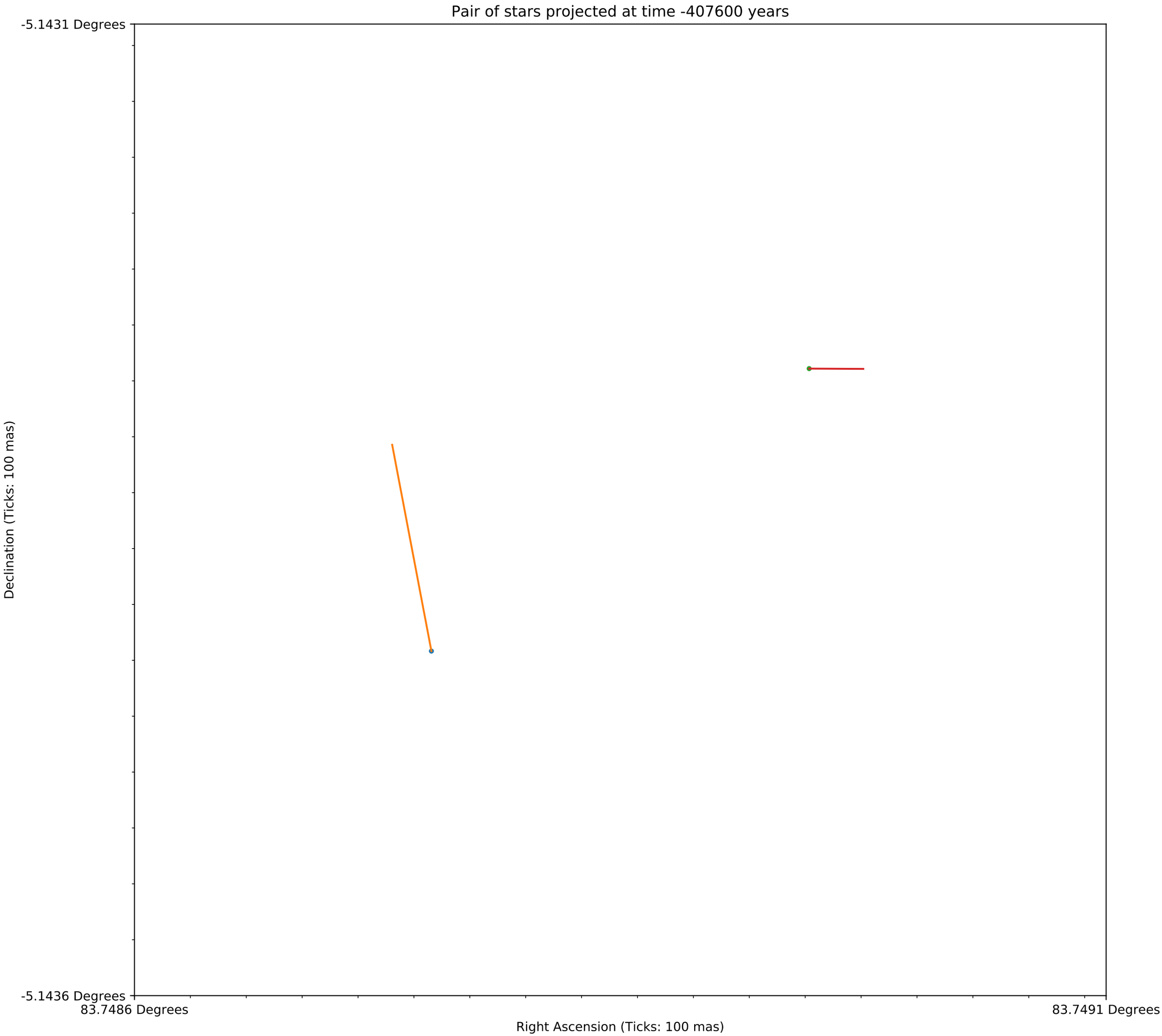

Pair of stars projected at time -391500 years
-6.1068 Degrees
Declination (Ticks: 100 mas)
-6.1076 Degrees
82.9329 Degrees
82.9338 Degrees
Right Ascension (Ticks: 100 mas)

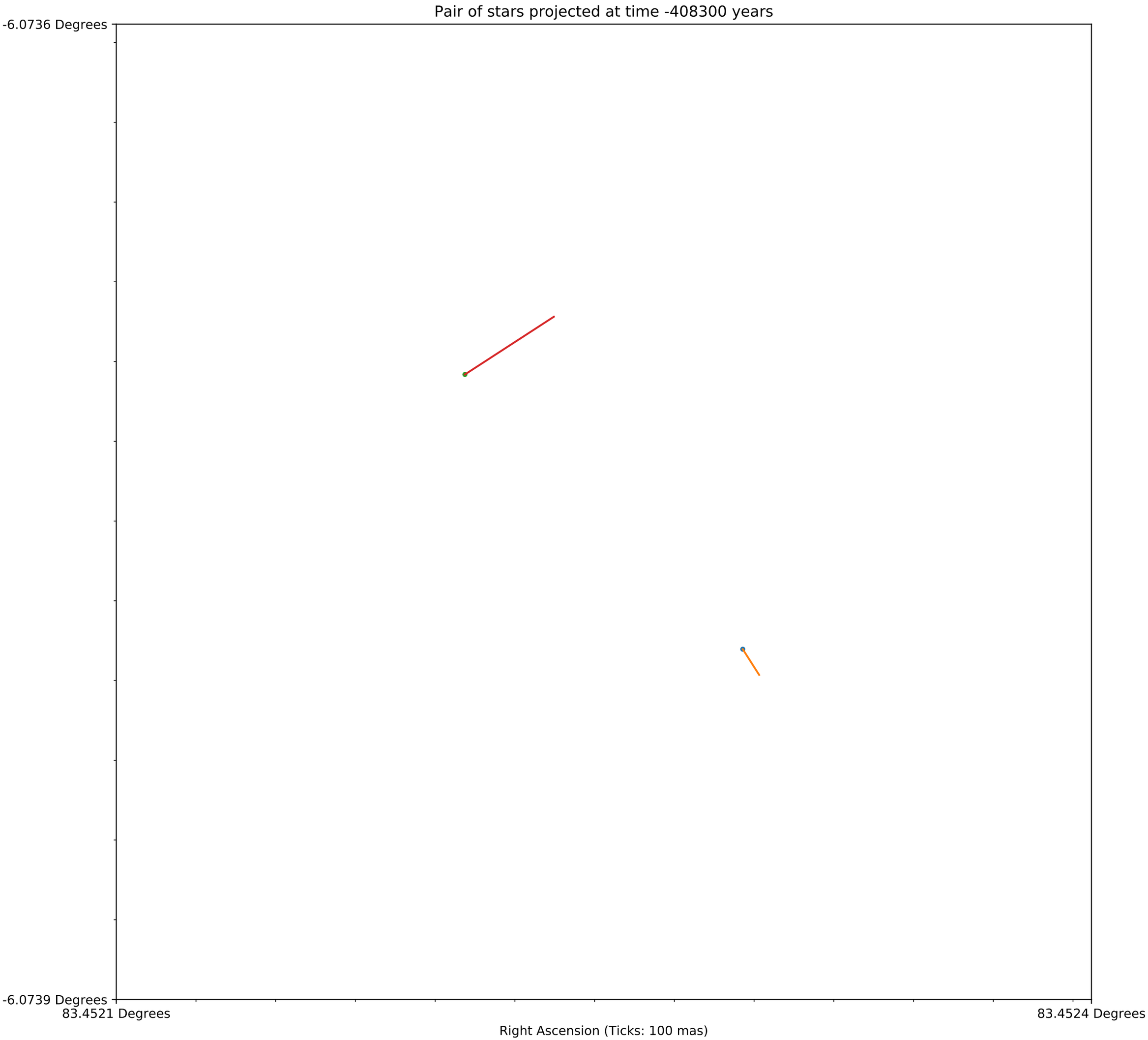

Pair of stars projected at time -391800 years
-5.3445 Degrees
-5.3449 Degrees
83.3589 Degrees
83.3593 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -392000 years
-5.0046 Degrees
Declination (Ticks: 100 mas)
-5.0050 Degrees
83.4997 Degrees
83.5001 Degrees
Right Ascension (Ticks: 100 mas)

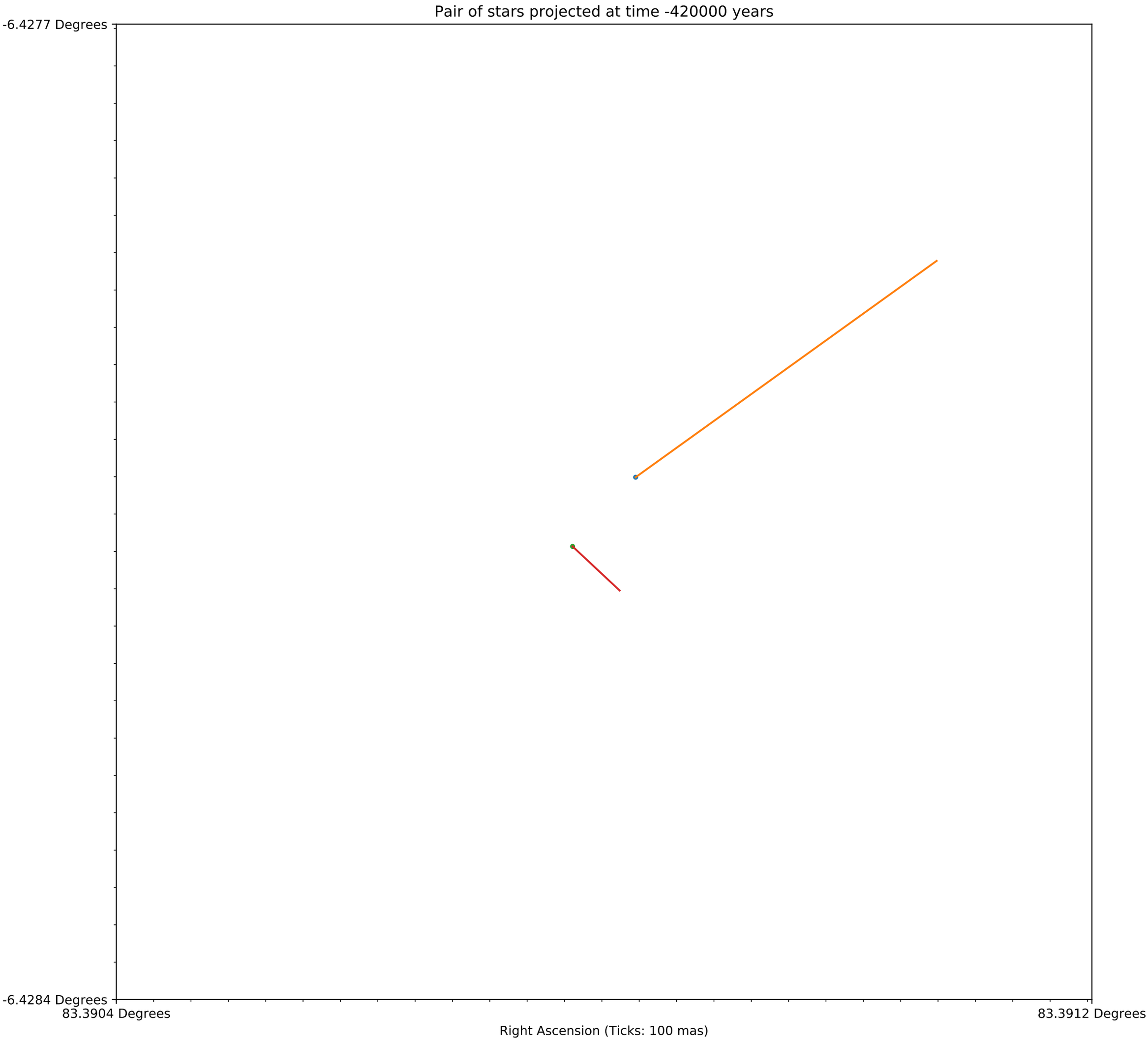

Pair of stars projected at time -403600 years
-4.4722 Degrees
-4.4726 Degrees
83.9551 Degrees
83.9554 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

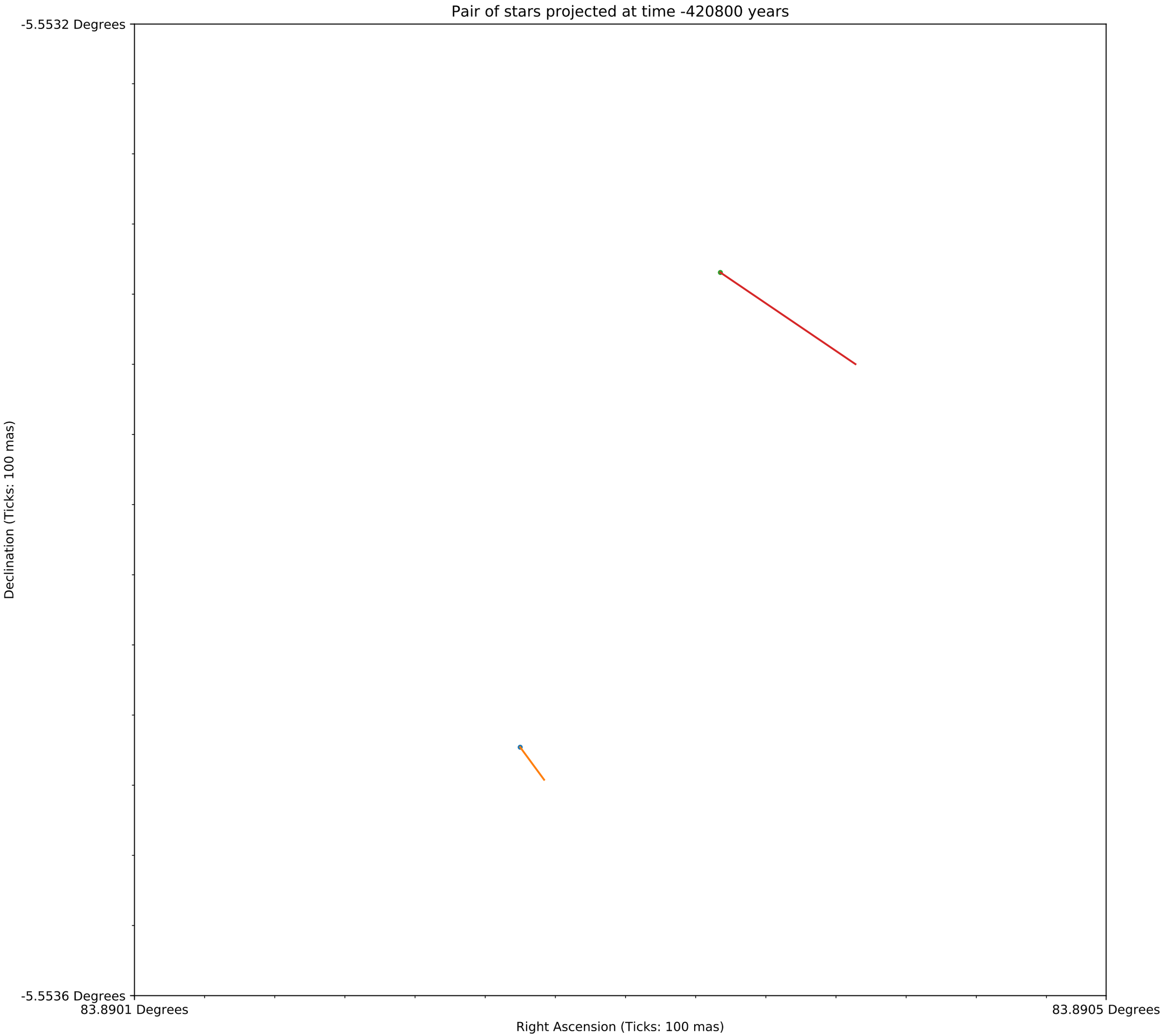

Pair of stars projected at time -404900 years
-6.0342 Degrees
-6.0349 Degrees
83.8040 Degrees
83.8048 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

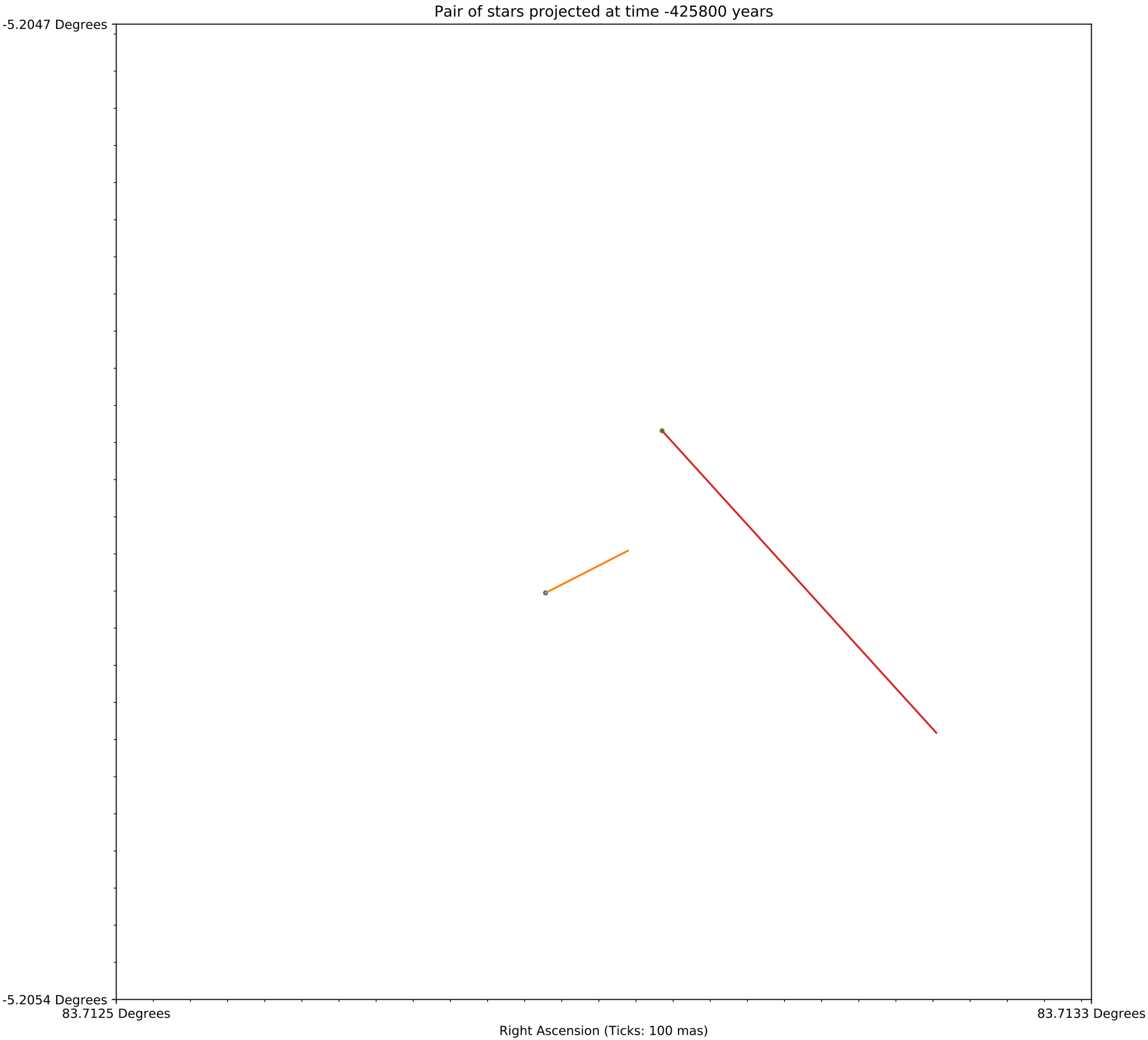

Pair of stars projected at time -407600 years
-5.1431 Degrees
-5.1436 Degrees
83.7486 Degrees
83.7491 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

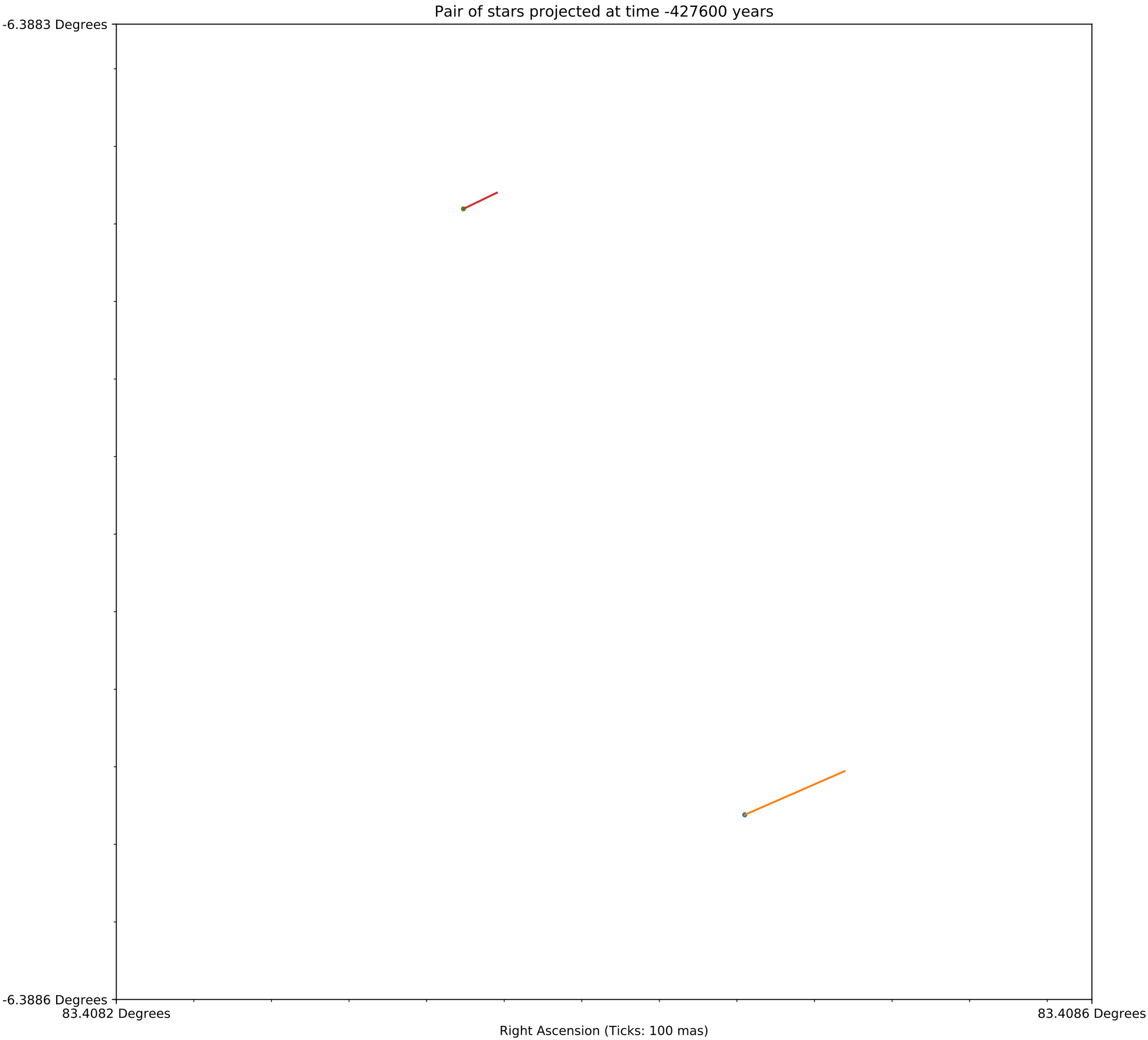

Pair of stars projected at time -408300 years
-6.0736 Degrees
-6.0739 Degrees
83.4521 Degrees
83.4524 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

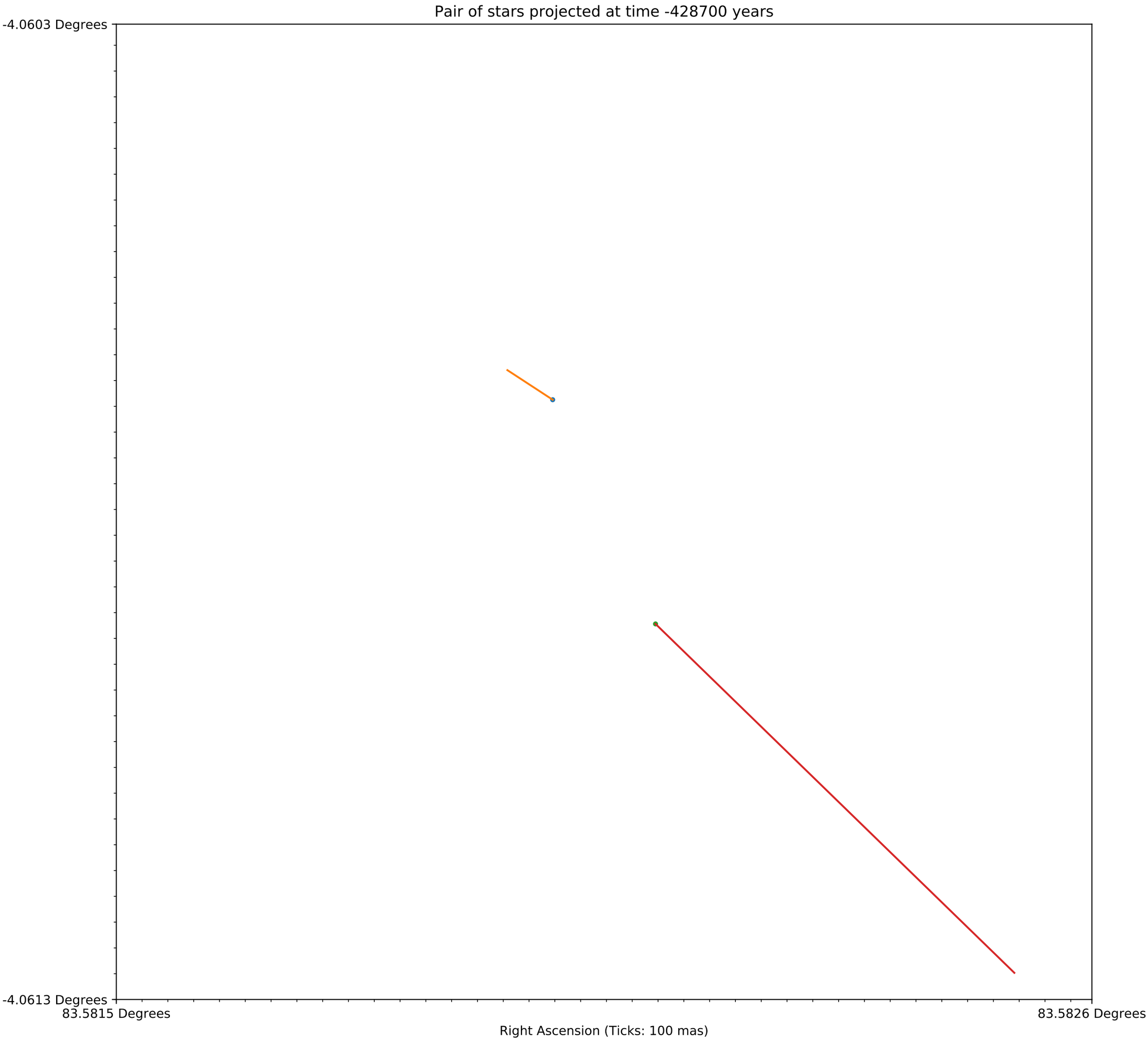
Pair of stars projected at time -411300 years
-6.3340 Degrees
-6.3343 Degrees
83.8463 Degrees
83.8466 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

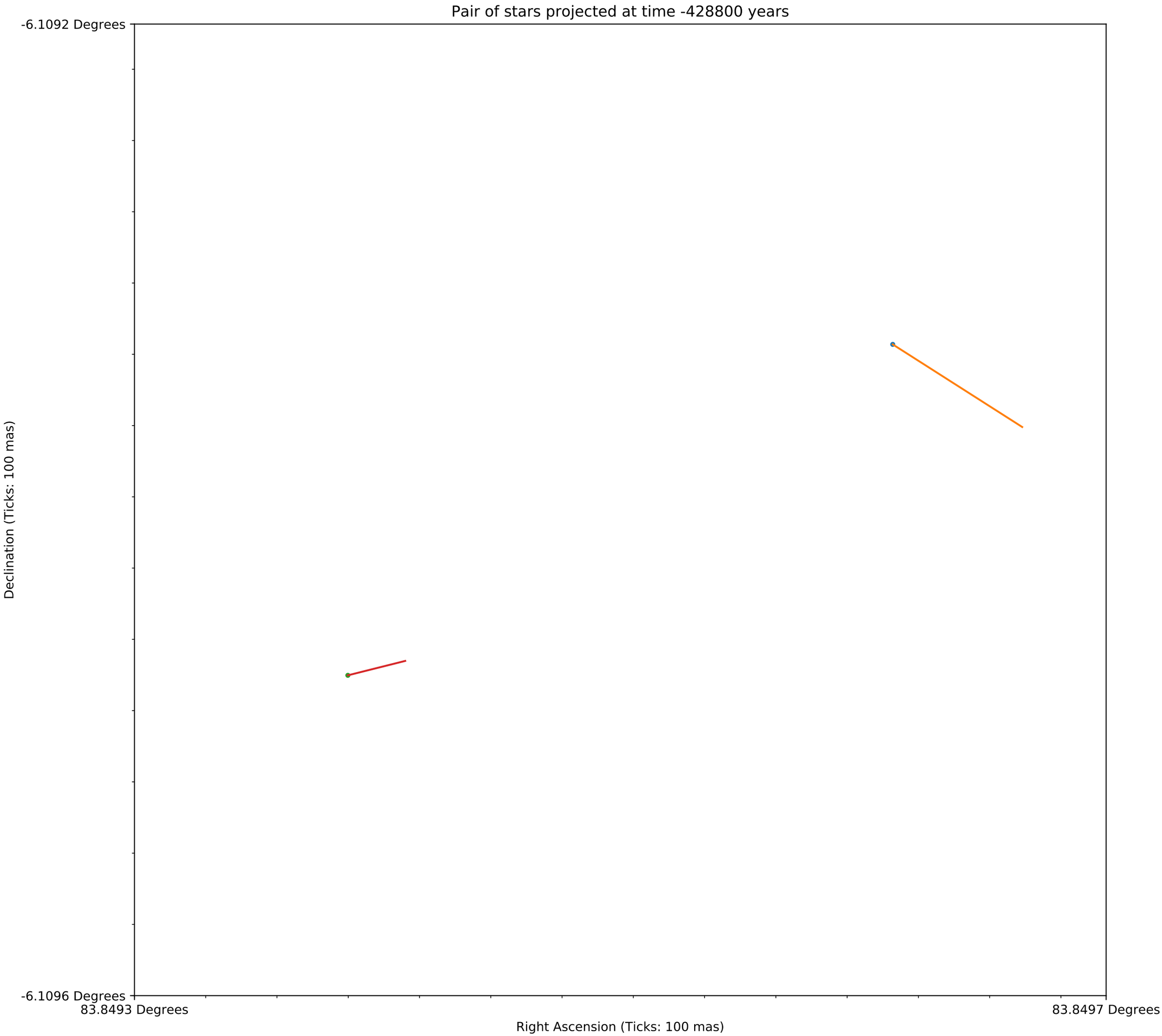

Pair of stars projected at time -420000 years
-6.4277 Degrees
Declination (Ticks: 100 mas)
-6.4284 Degrees
83.3904 Degrees
83.3912 Degrees
Right Ascension (Ticks: 100 mas)

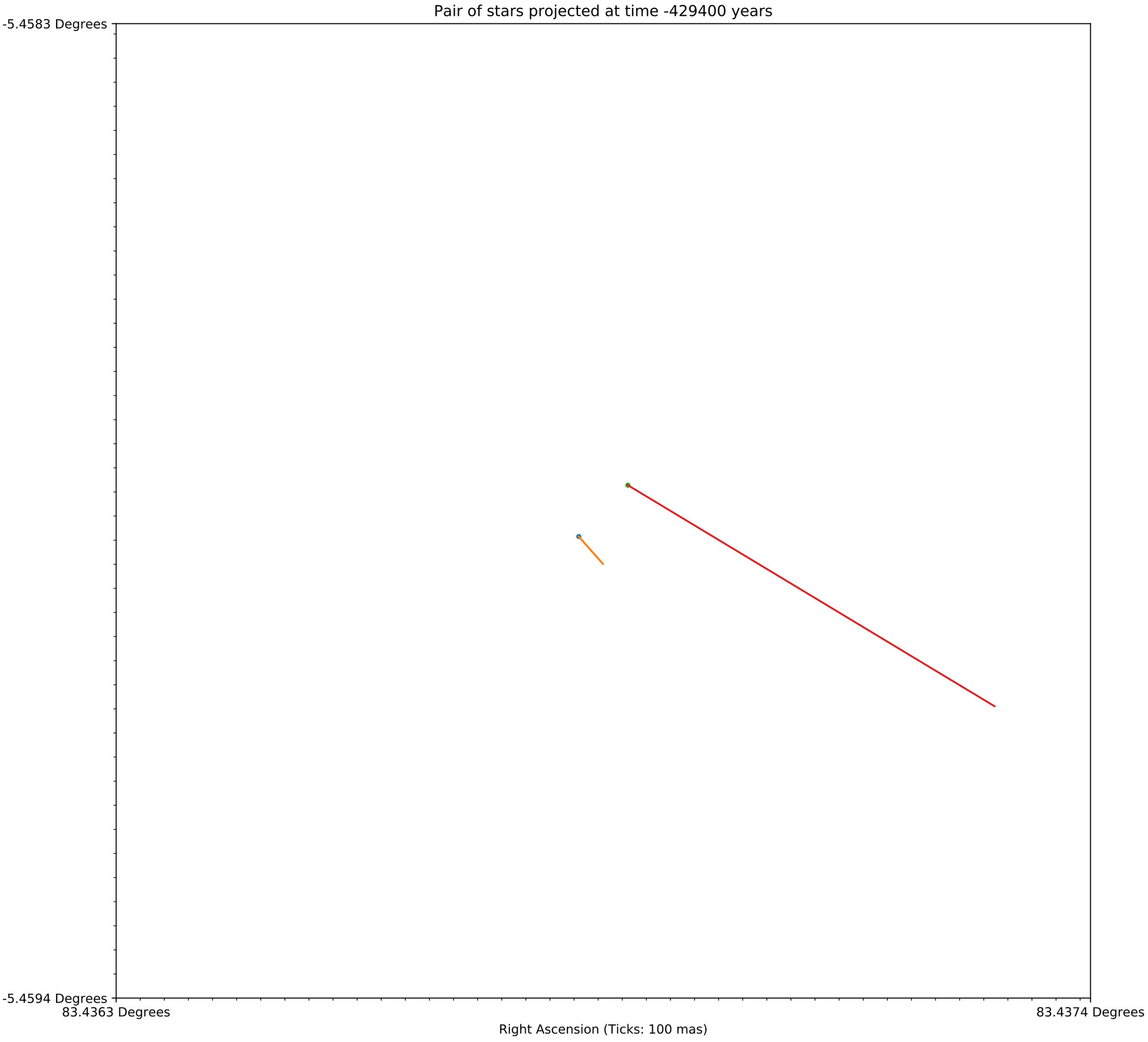

Pair of stars projected at time -420800 years
-5.5532 Degrees
-5.5536 Degrees
83.8901 Degrees
83.8905 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

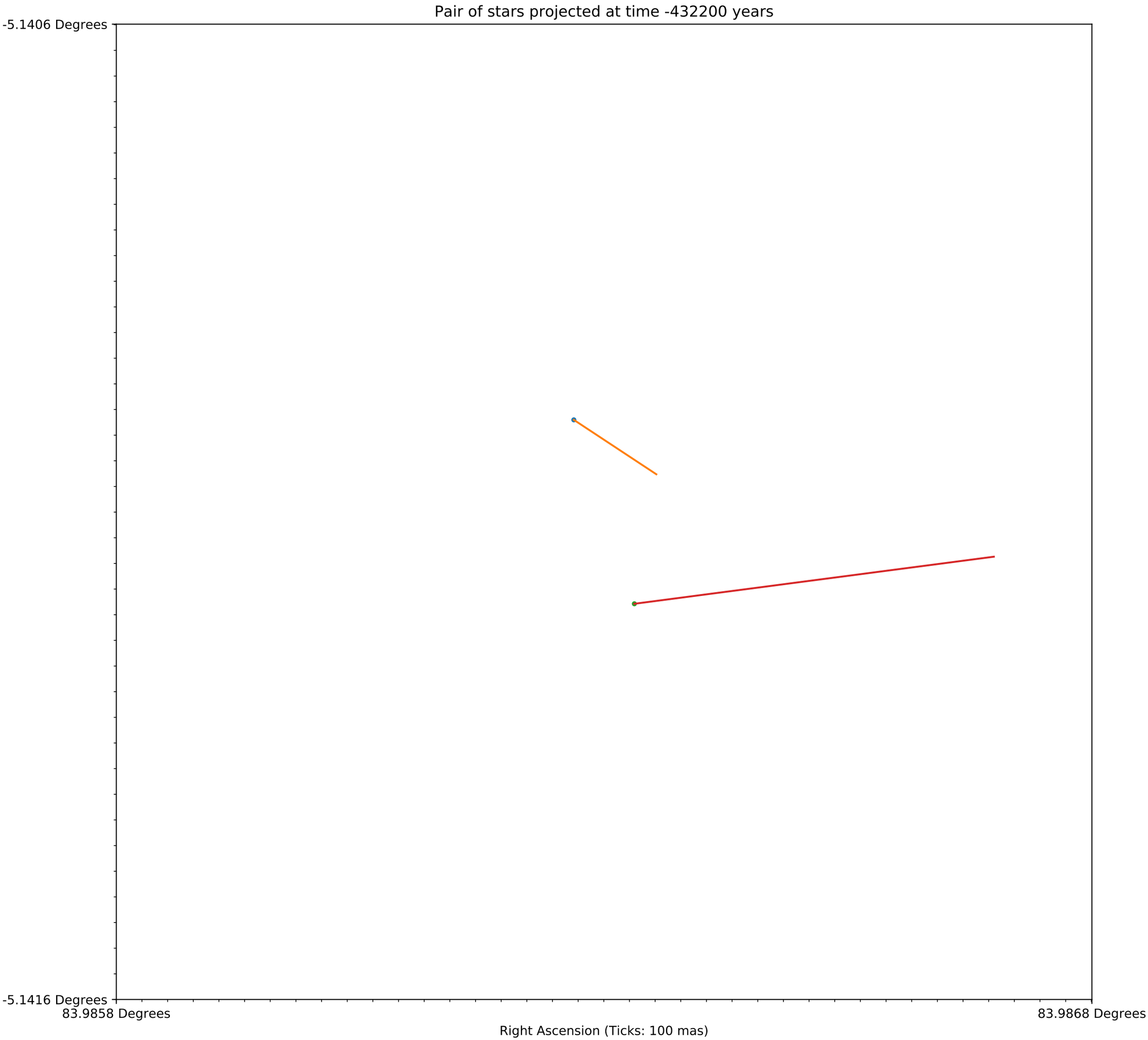

Pair of stars projected at time -425800 years
-5.2047 Degrees
Declination (Ticks: 100 mas)
-5.2054 Degrees
83.7125 Degrees
83.7133 Degrees
Right Ascension (Ticks: 100 mas)

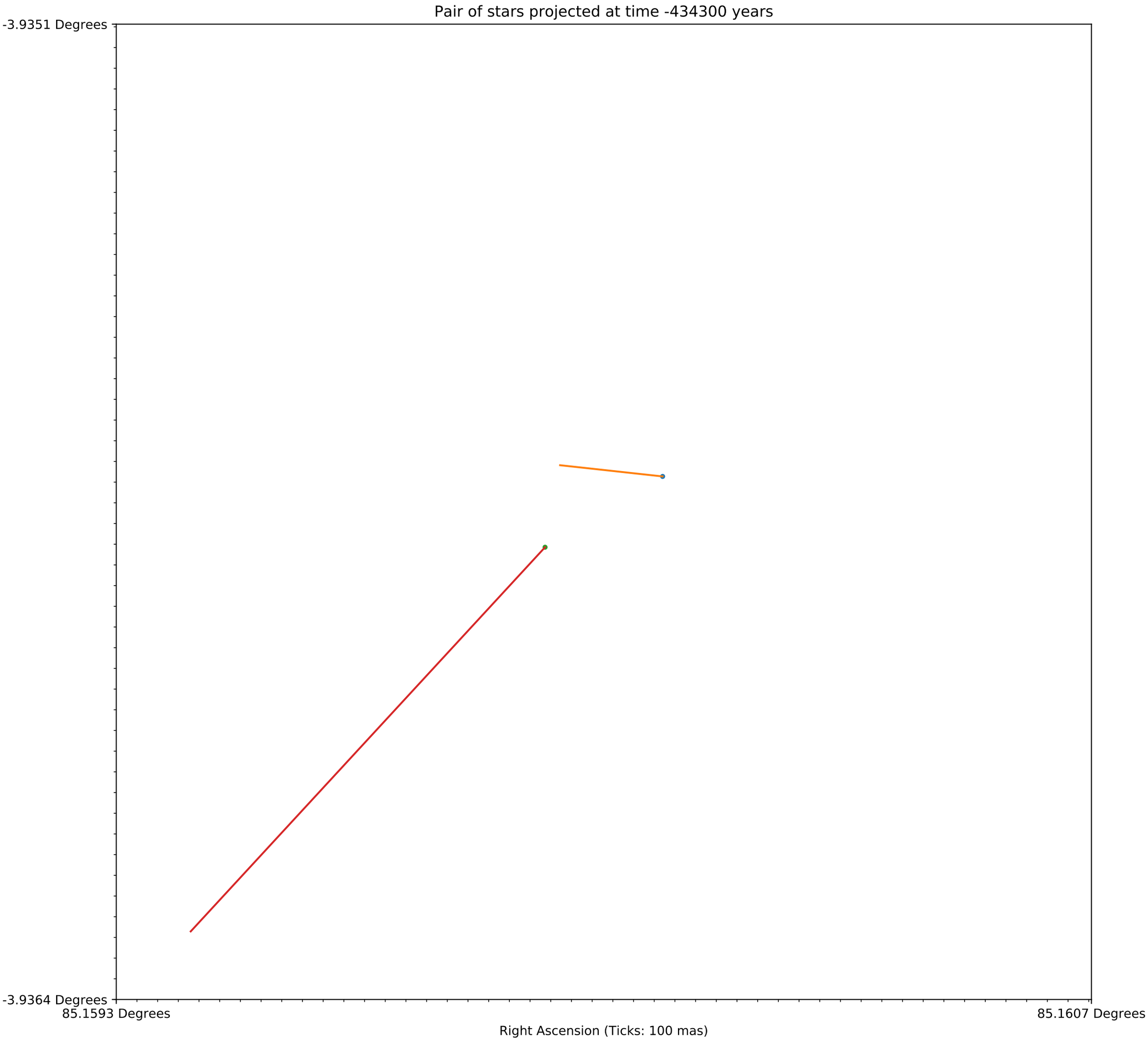

Pair of stars projected at time -427600 years
-6.3883 Degrees
Declination (Ticks: 100 mas)
-6.3886 Degrees
83.4082 Degrees
83.4086 Degrees
Right Ascension (Ticks: 100 mas)

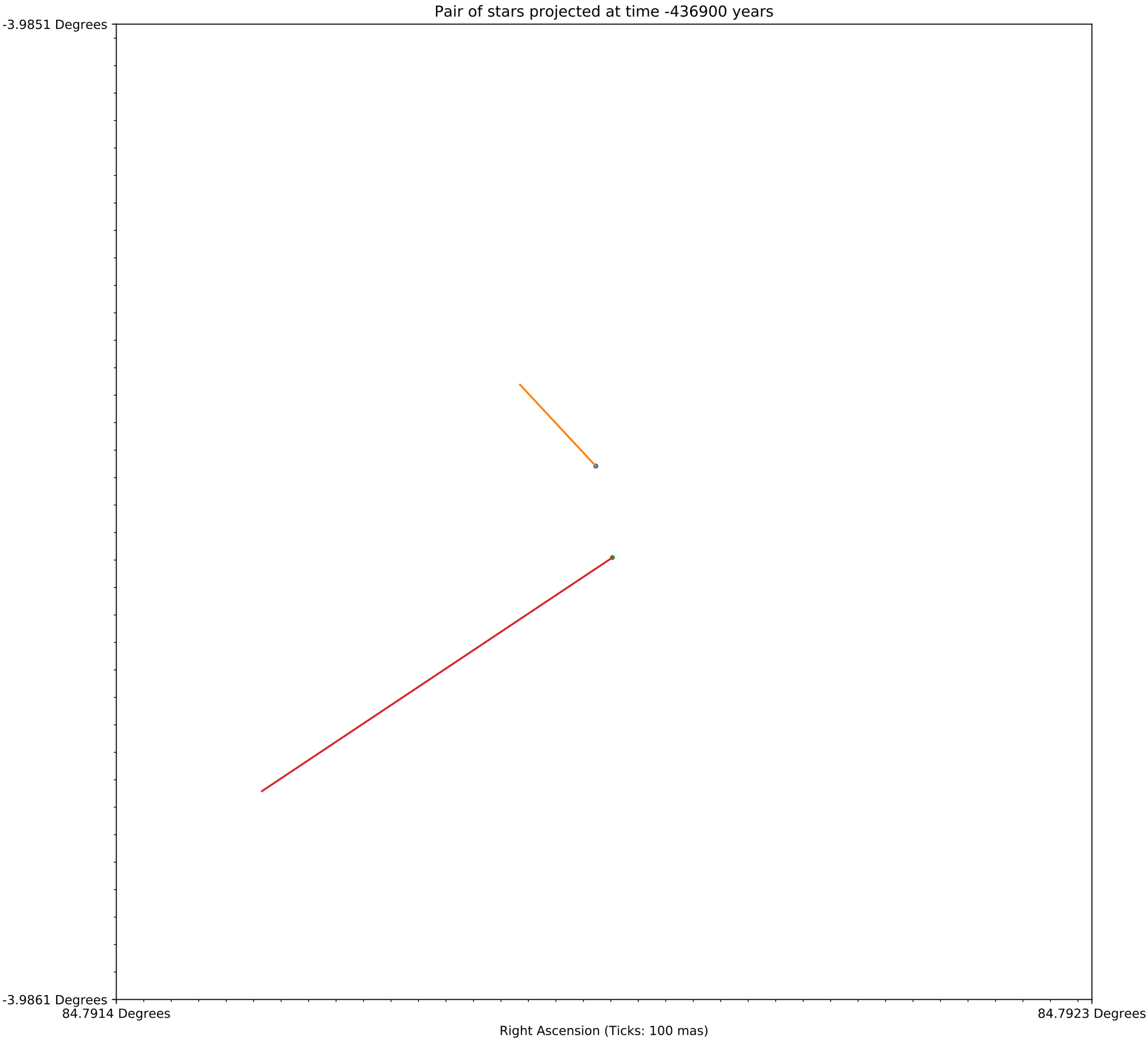

Pair of stars projected at time -428700 years
-4.0603 Degrees
-4.0613 Degrees
83.5815 Degrees
83.5826 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -428800 years
-6.1092 Degrees
Declination (Ticks: 100 mas)
-6.1096 Degrees
83.8493 Degrees
83.8497 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -429400 years
-5.4583 Degrees
Declination (Ticks: 100 mas)
-5.4594 Degrees
83.4363 Degrees
83.4374 Degrees
Right Ascension (Ticks: 100 mas)

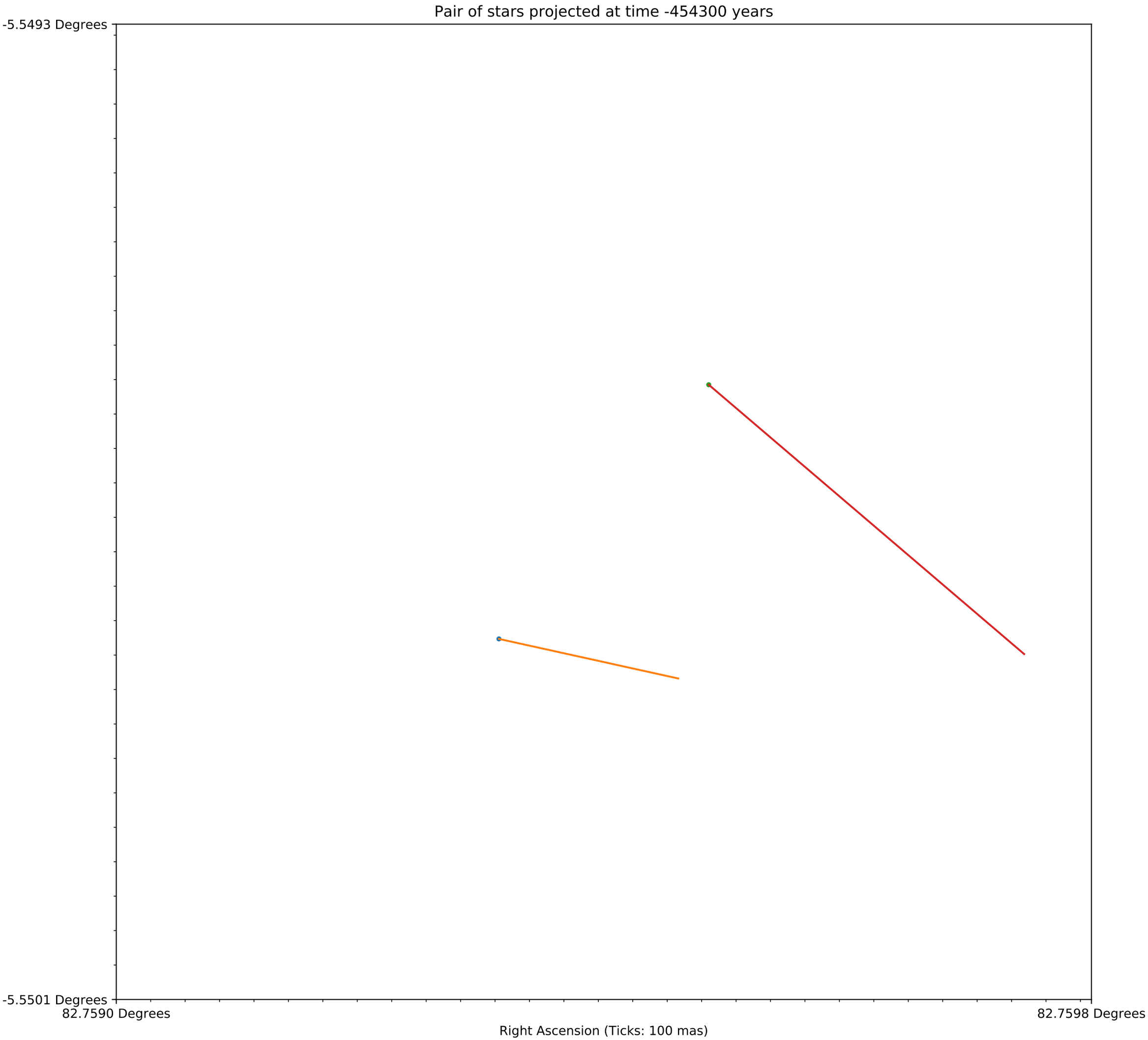

Pair of stars projected at time -432200 years
-5.1406 Degrees
-5.1416 Degrees
83.9858 Degrees
83.9868 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -434300 years
-3.9351 Degrees
Declination (Ticks: 100 mas)
-3.9364 Degrees
85.1593 Degrees
85.1607 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -436900 years
-3.9851 Degrees
Declination (Ticks: 100 mas)
-3.9861 Degrees
84.7914 Degrees
84.7923 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -437000 years
-5.7405 Degrees
Declination (Ticks: 100 mas)
-5.7410 Degrees
83.4808 Degrees
83.4813 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -443500 years
-4.7773 Degrees
-4.7779 Degrees
84.0160 Degrees
84.0167 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

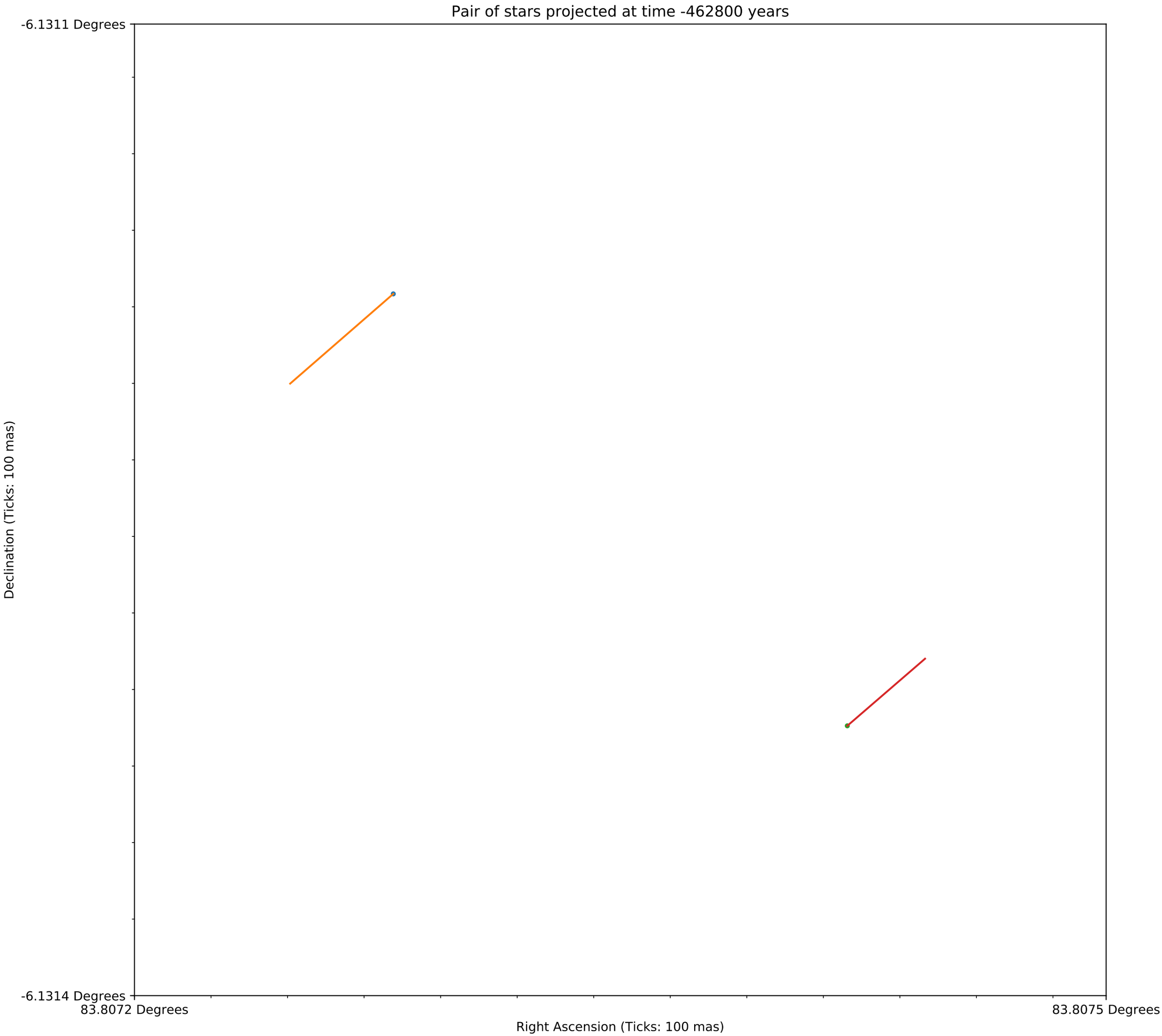

Pair of stars projected at time -454300 years
-5.5493 Degrees
Declination (Ticks: 100 mas)
-5.5501 Degrees
82.7590 Degrees
82.7598 Degrees
Right Ascension (Ticks: 100 mas)

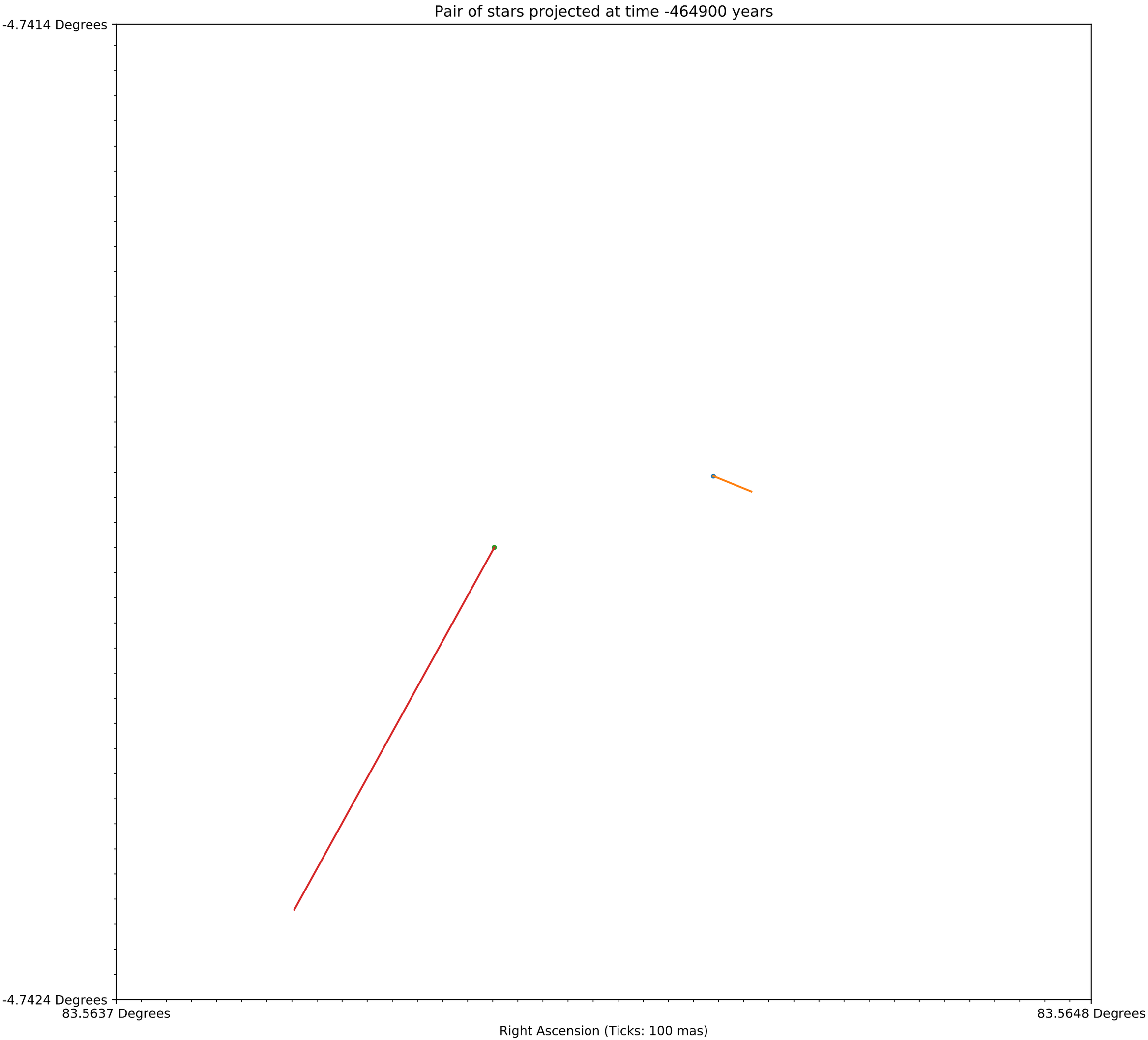
Pair of stars projected at time -454500 years
-5.4760 Degrees
-5.4765 Degrees
83.5590 Degrees
83.5594 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -456600 years
-5.0776 Degrees
Declination (Ticks: 100 mas)
-5.0784 Degrees
83.6205 Degrees
83.6213 Degrees
Right Ascension (Ticks: 100 mas)

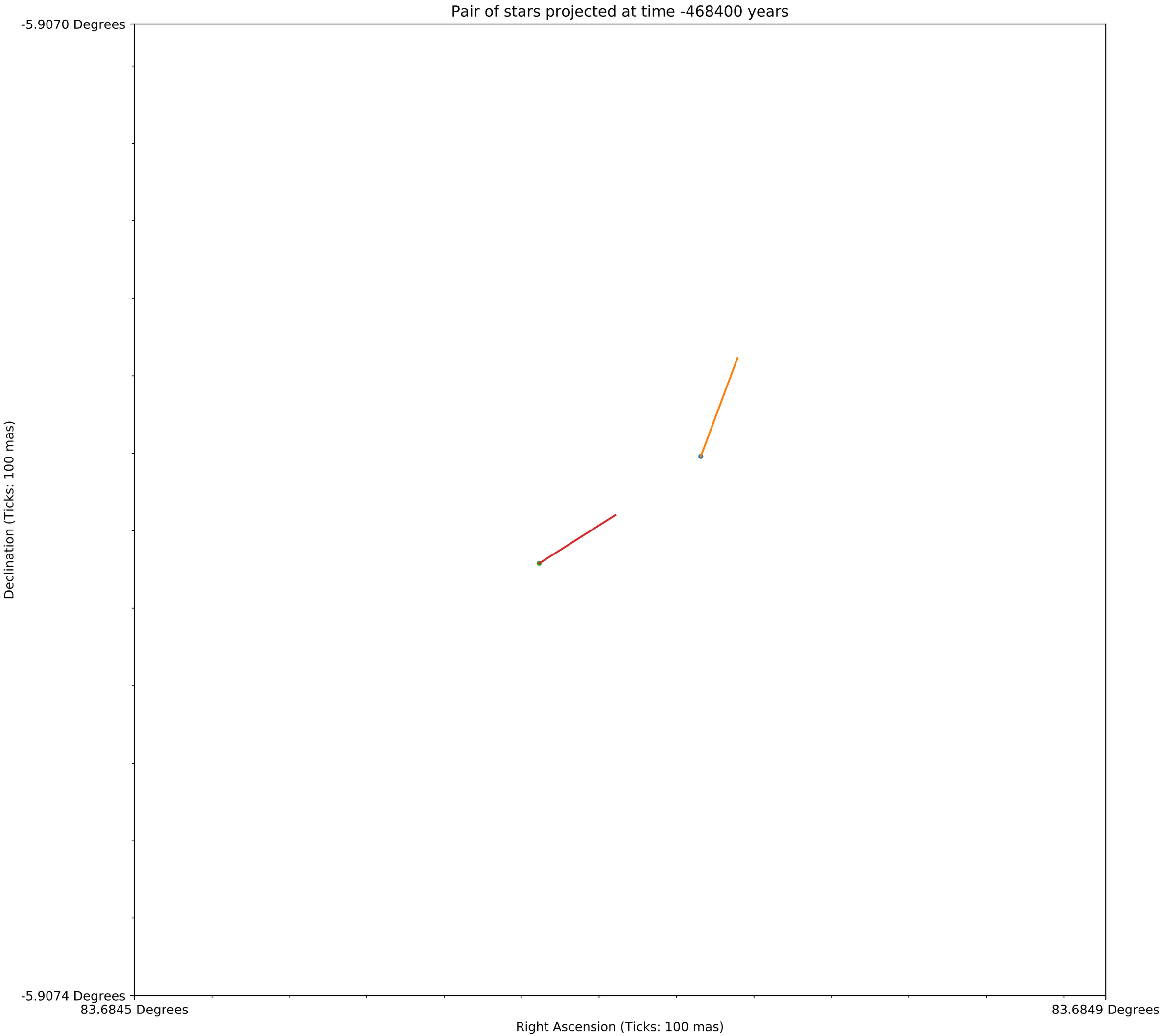
Pair of stars projected at time -459600 years
-5.9476 Degrees
Declination (Ticks: 100 mas)
-5.9481 Degrees
83.6545 Degrees
83.6550 Degrees
Right Ascension (Ticks: 100 mas)

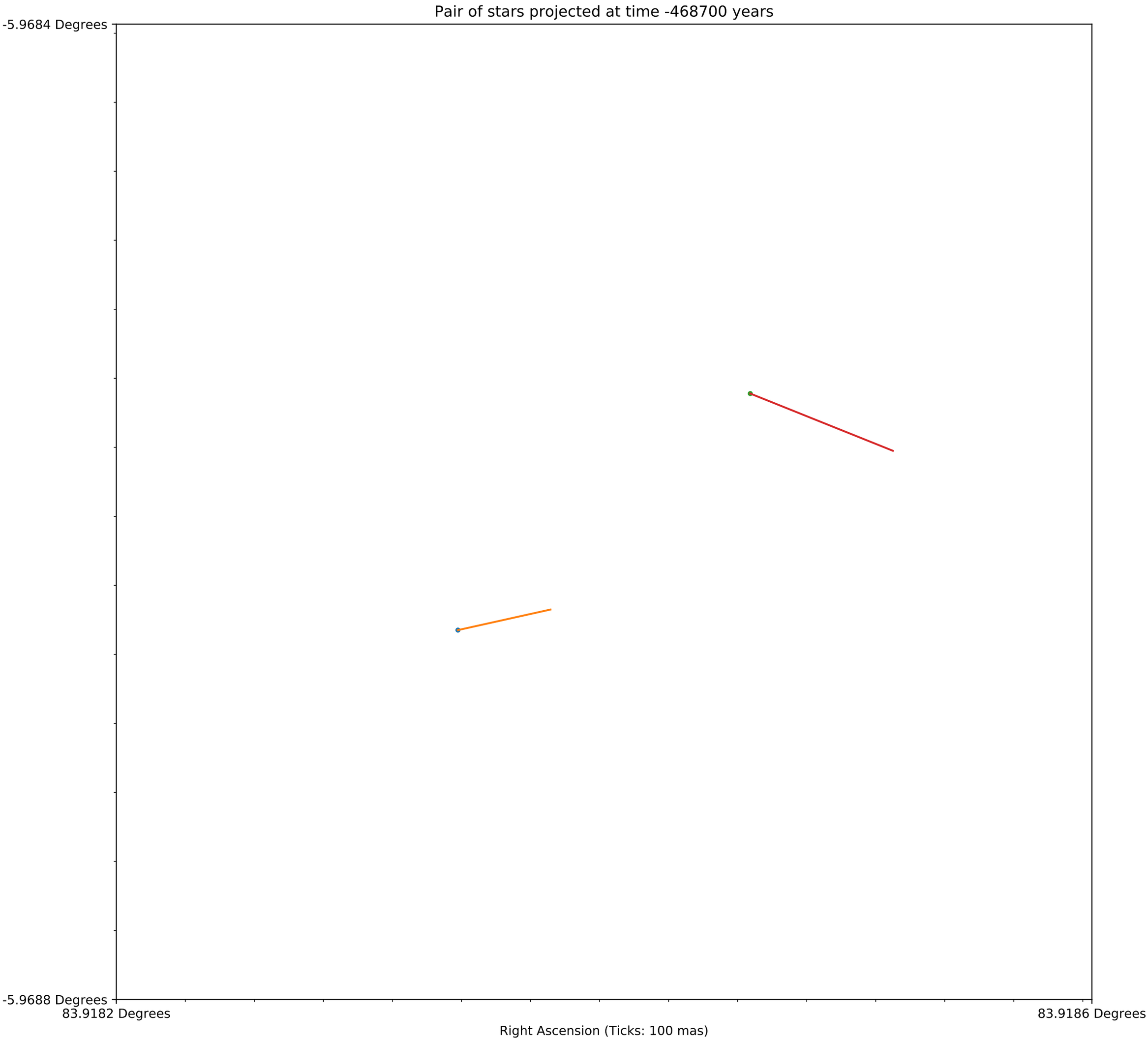
Pair of stars projected at time -459900 years
-4.5613 Degrees
-4.5617 Degrees
83.8103 Degrees
83.8106 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

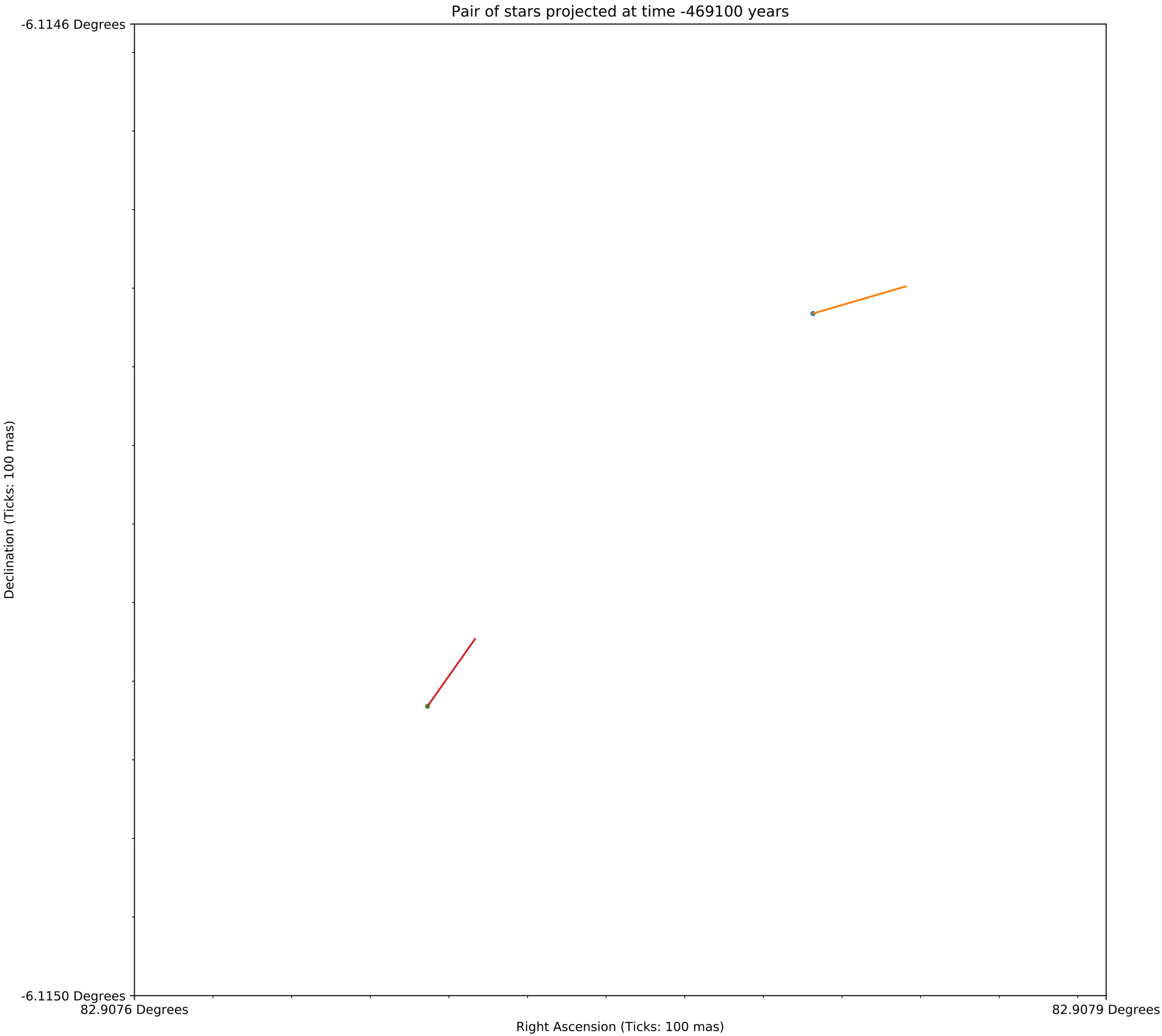

Pair of stars projected at time -462800 years
-6.1311 Degrees
-6.1314 Degrees
83.8072 Degrees
83.8075 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

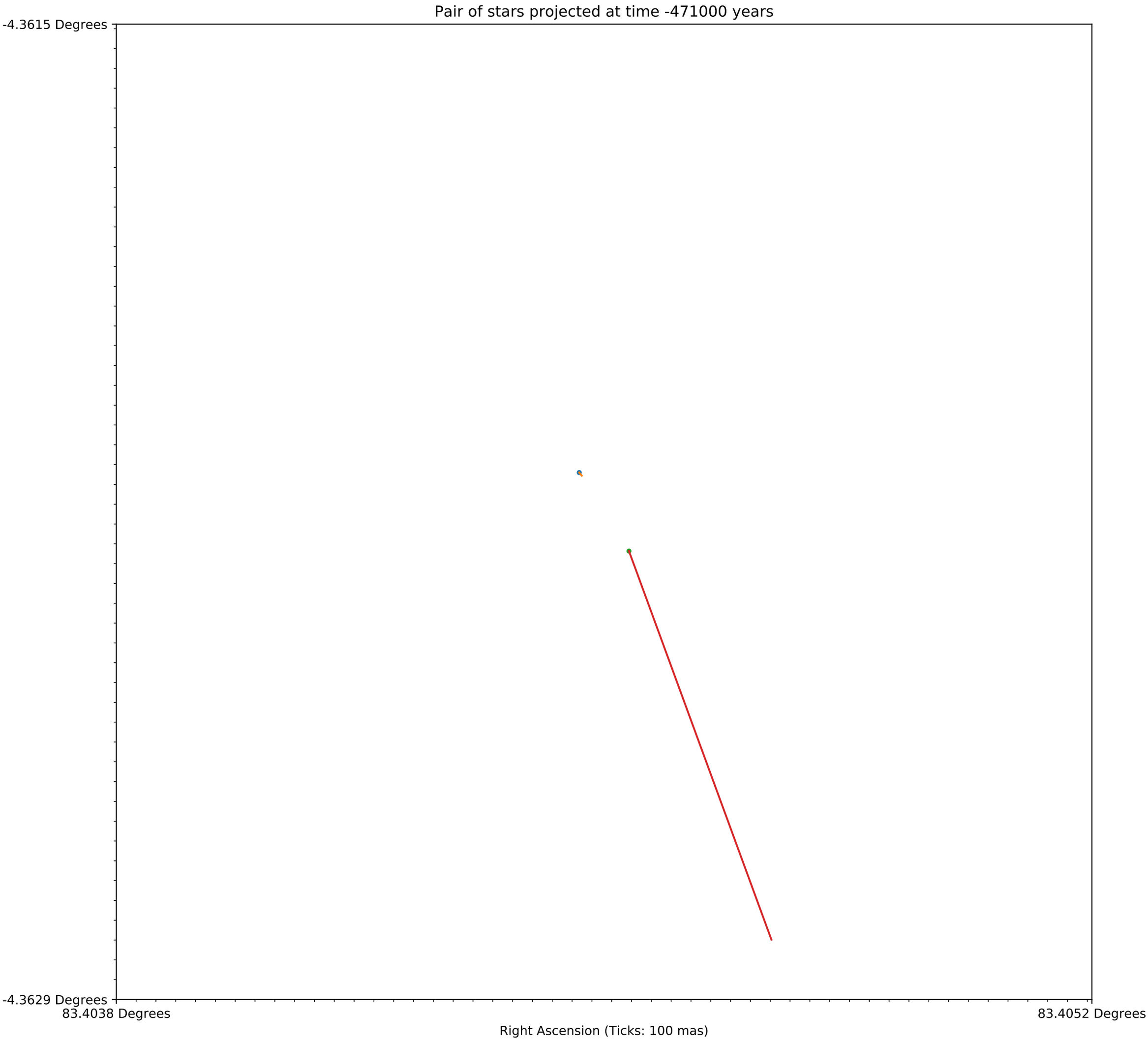

Pair of stars projected at time -464900 years
-4.7414 Degrees
Declination (Ticks: 100 mas)
-4.7424 Degrees
83.5637 Degrees
83.5648 Degrees
Right Ascension (Ticks: 100 mas)

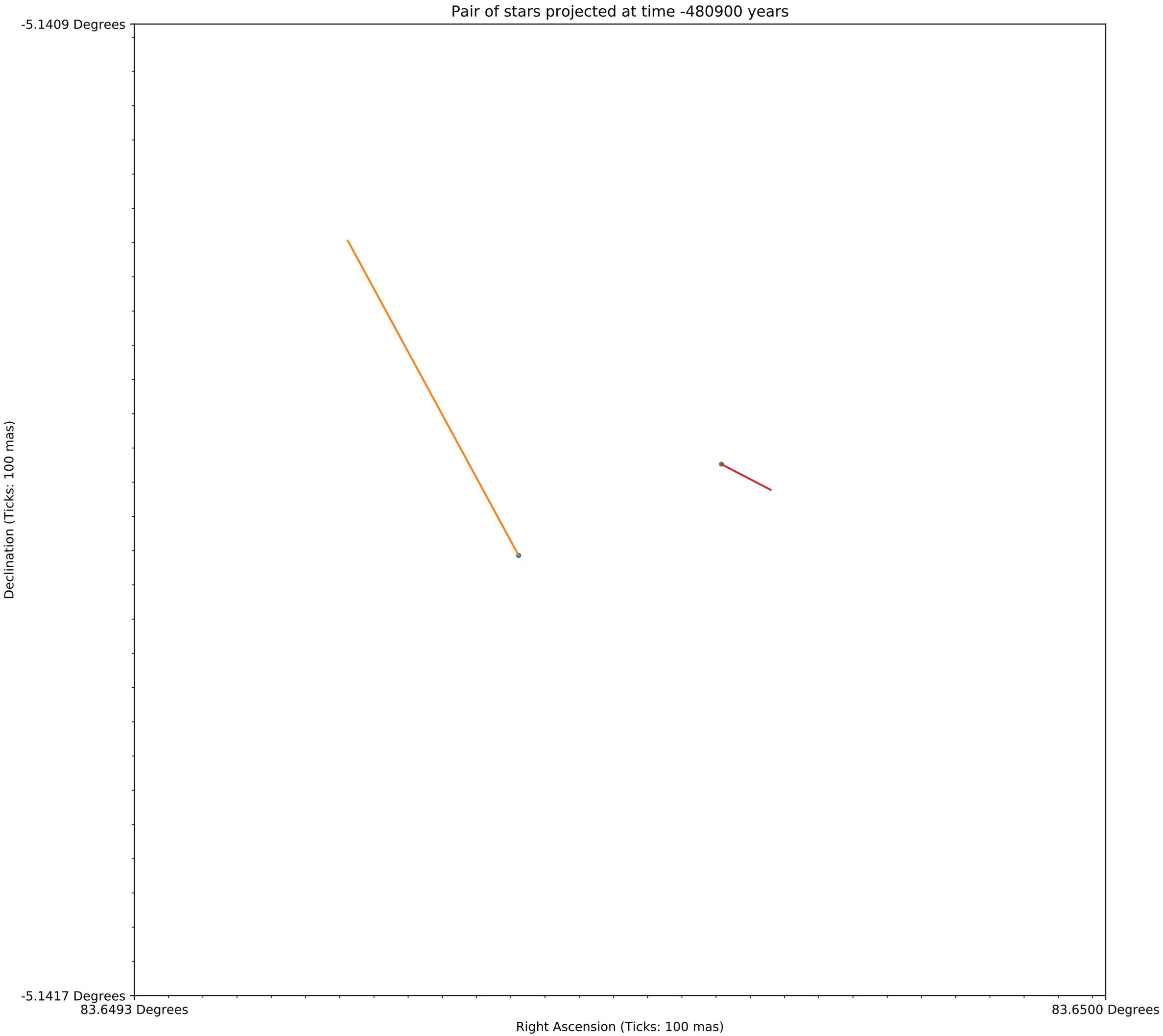
Pair of stars projected at time -465400 years
-5.0469 Degrees
-5.0473 Degrees
83.7680 Degrees
83.7684 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

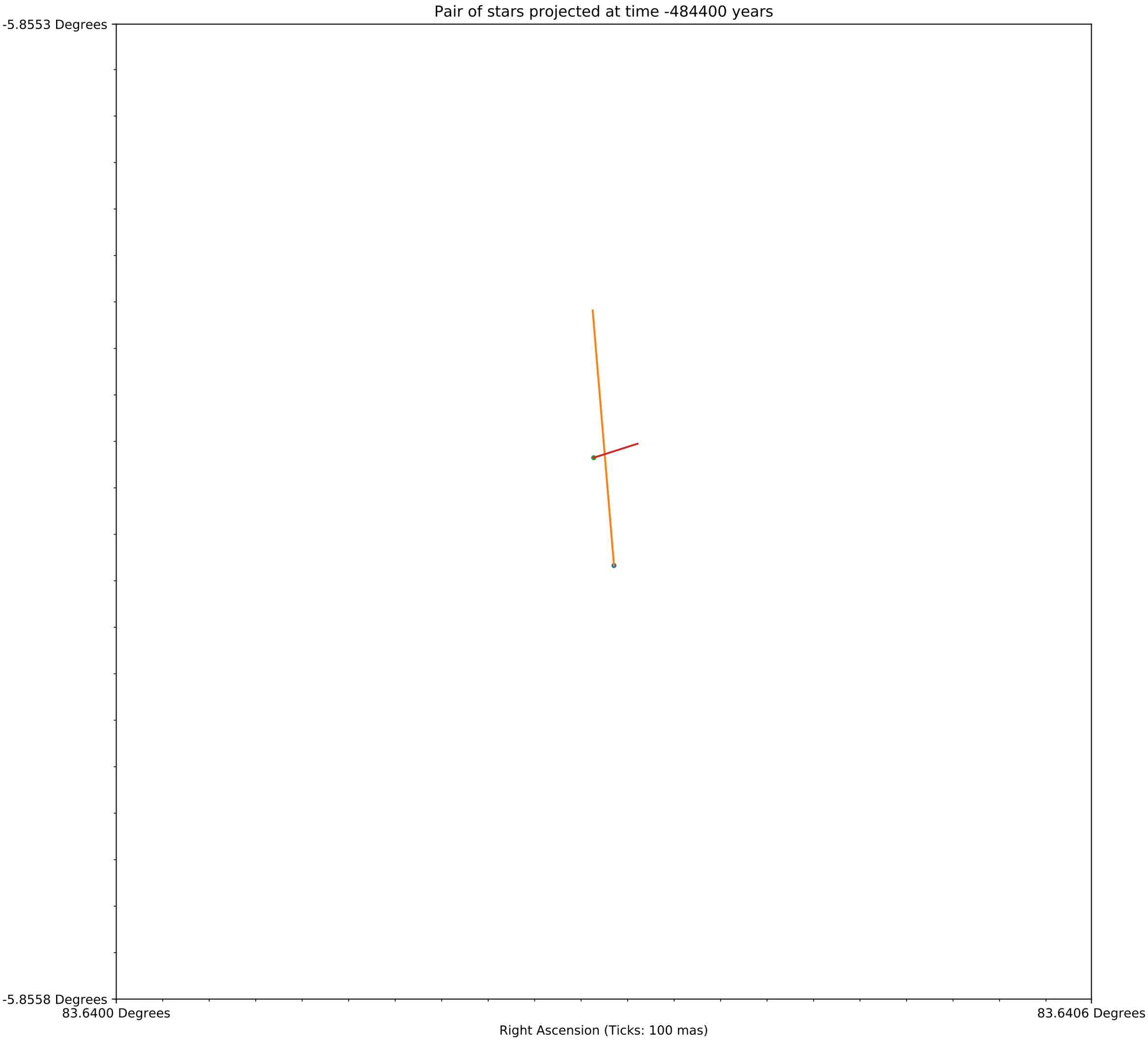

Pair of stars projected at time -468400 years
-5.9070 Degrees
Declination (Ticks: 100 mas)
-5.9074 Degrees
83.6845 Degrees
83.6849 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -468700 years
-5.9684 Degrees
-5.9688 Degrees
83.9182 Degrees
83.9186 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

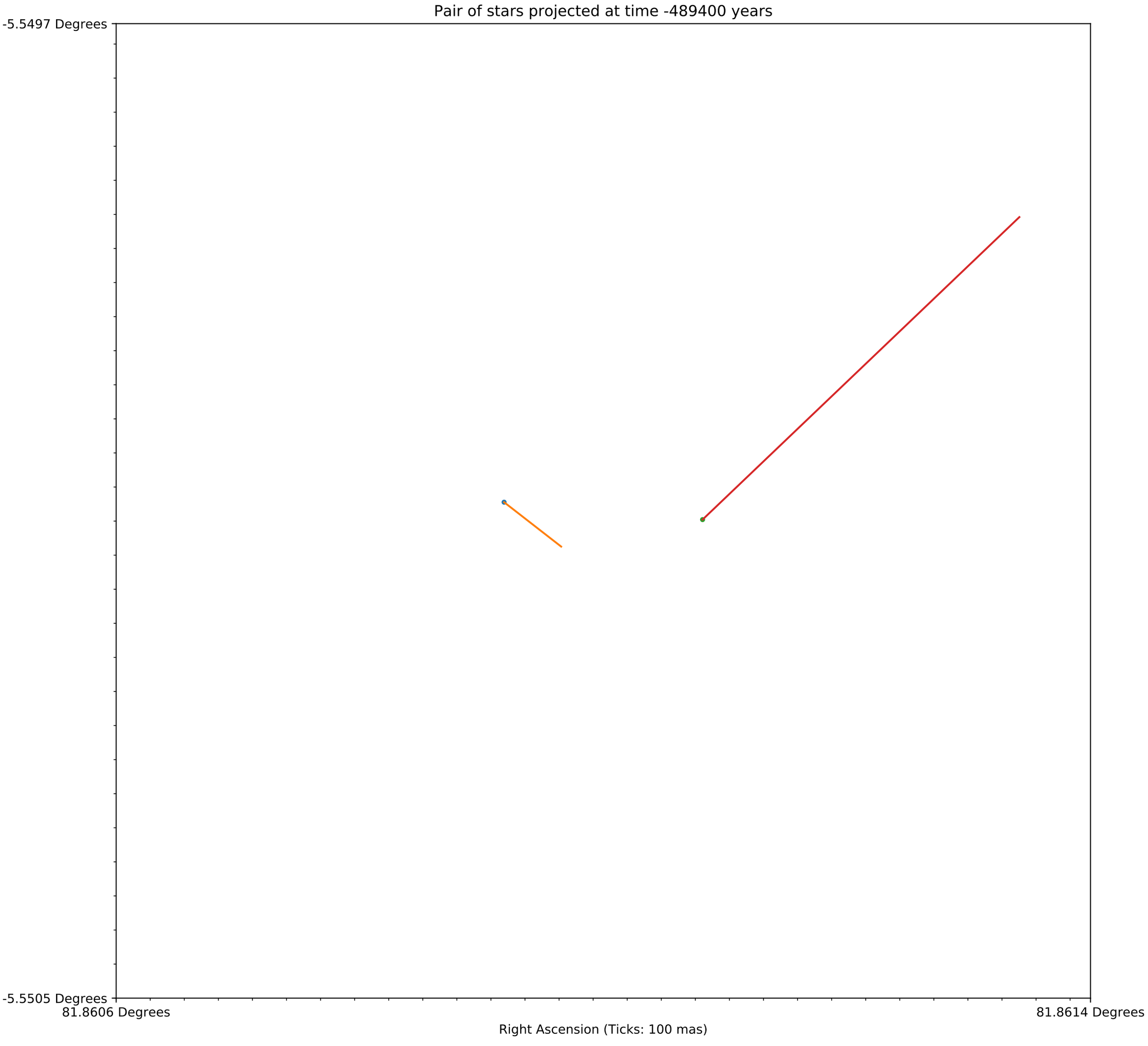

Pair of stars projected at time -469100 years
-6.1146 Degrees
-6.1150 Degrees
82.9076 Degrees
82.9079 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

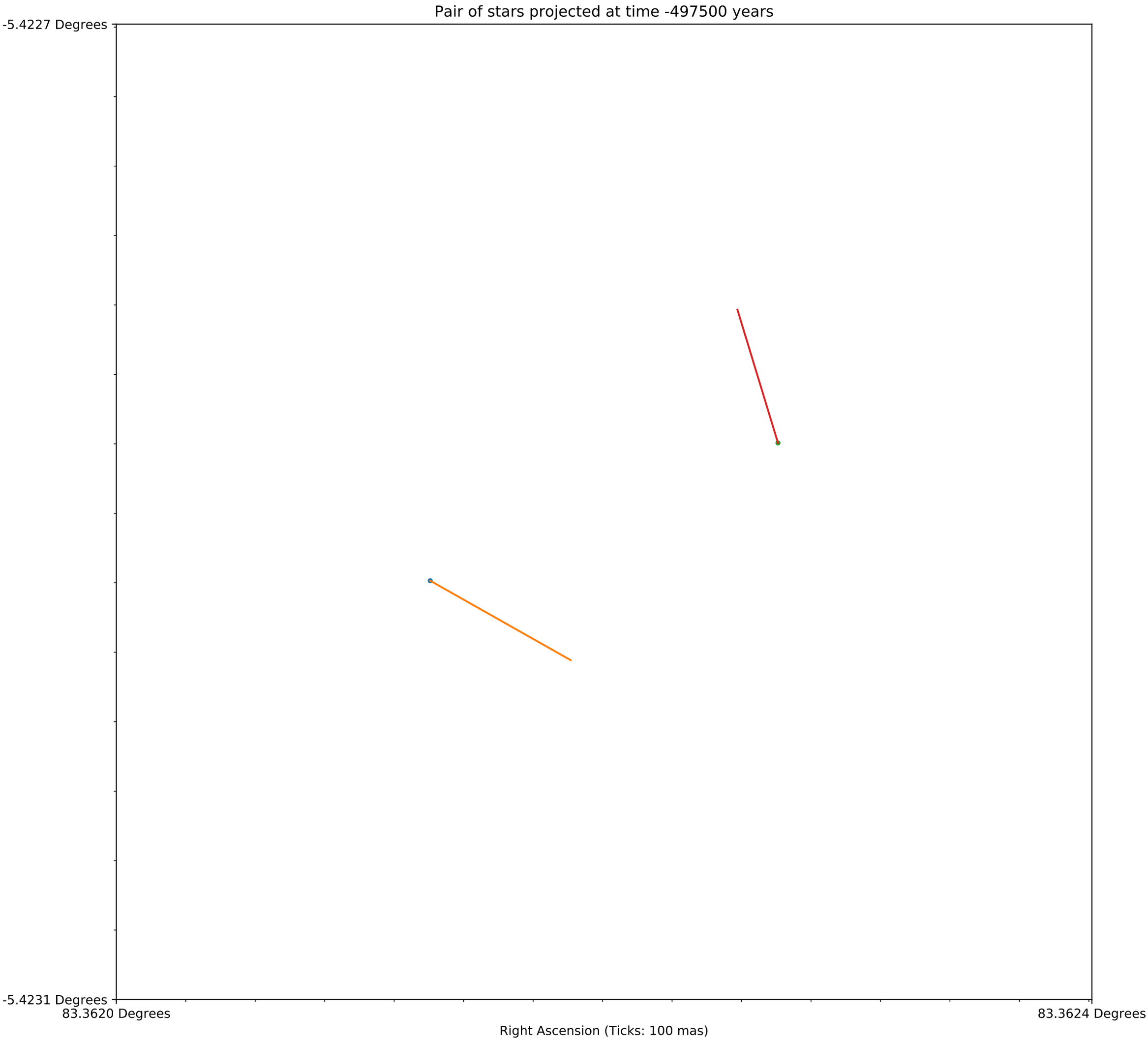

Pair of stars projected at time -471000 years
-4.3615 Degrees
-4.3629 Degrees
83.4038 Degrees
83.4052 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -480900 years
-5.1409 Degrees
-5.1417 Degrees
83.6493 Degrees
83.6500 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -484400 years
-5.8553 Degrees
-5.8558 Degrees
83.6400 Degrees
83.6406 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

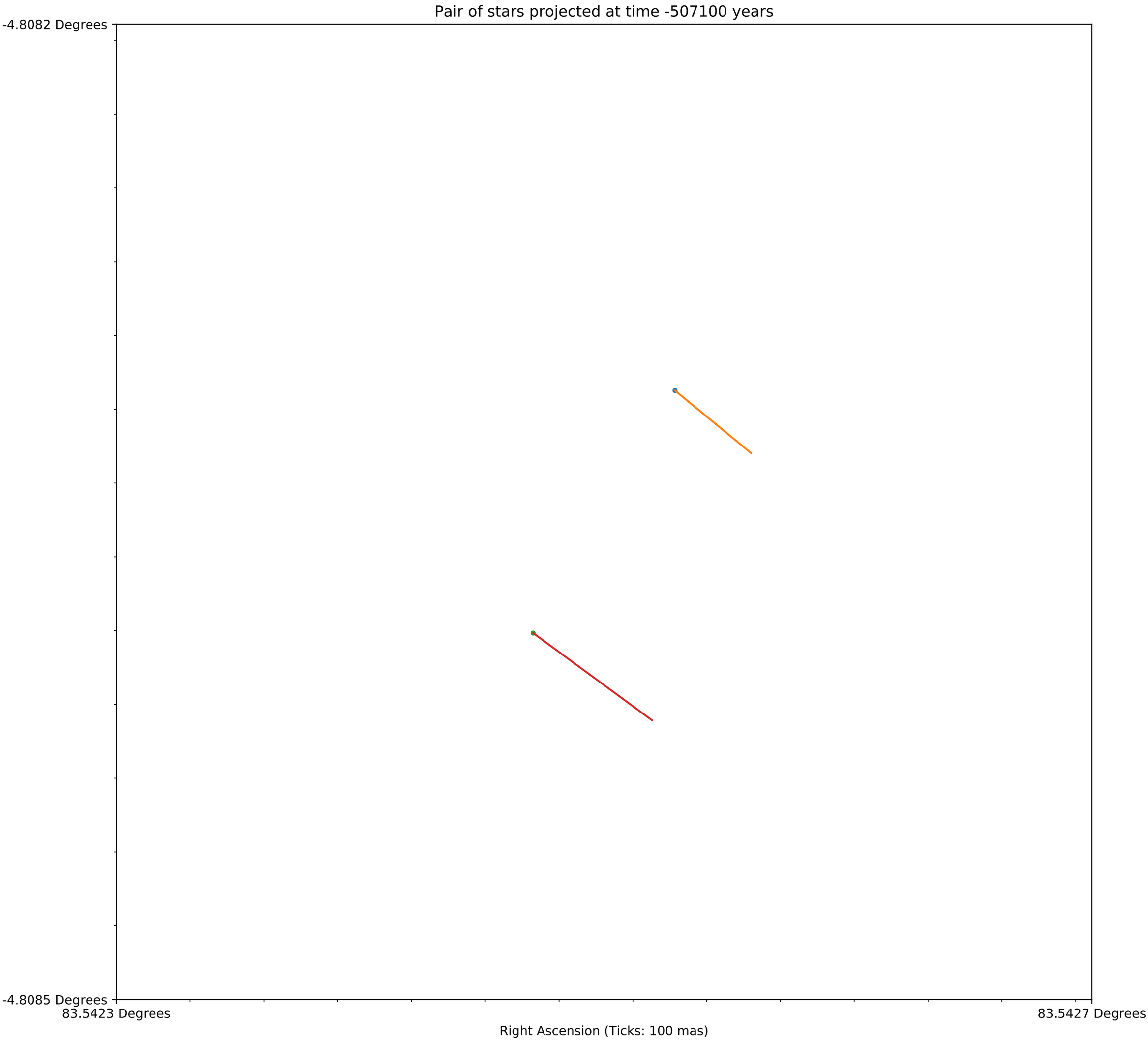
Pair of stars projected at time -484800 years
-5.5561 Degrees
-5.5565 Degrees
83.6724 Degrees
83.6728 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

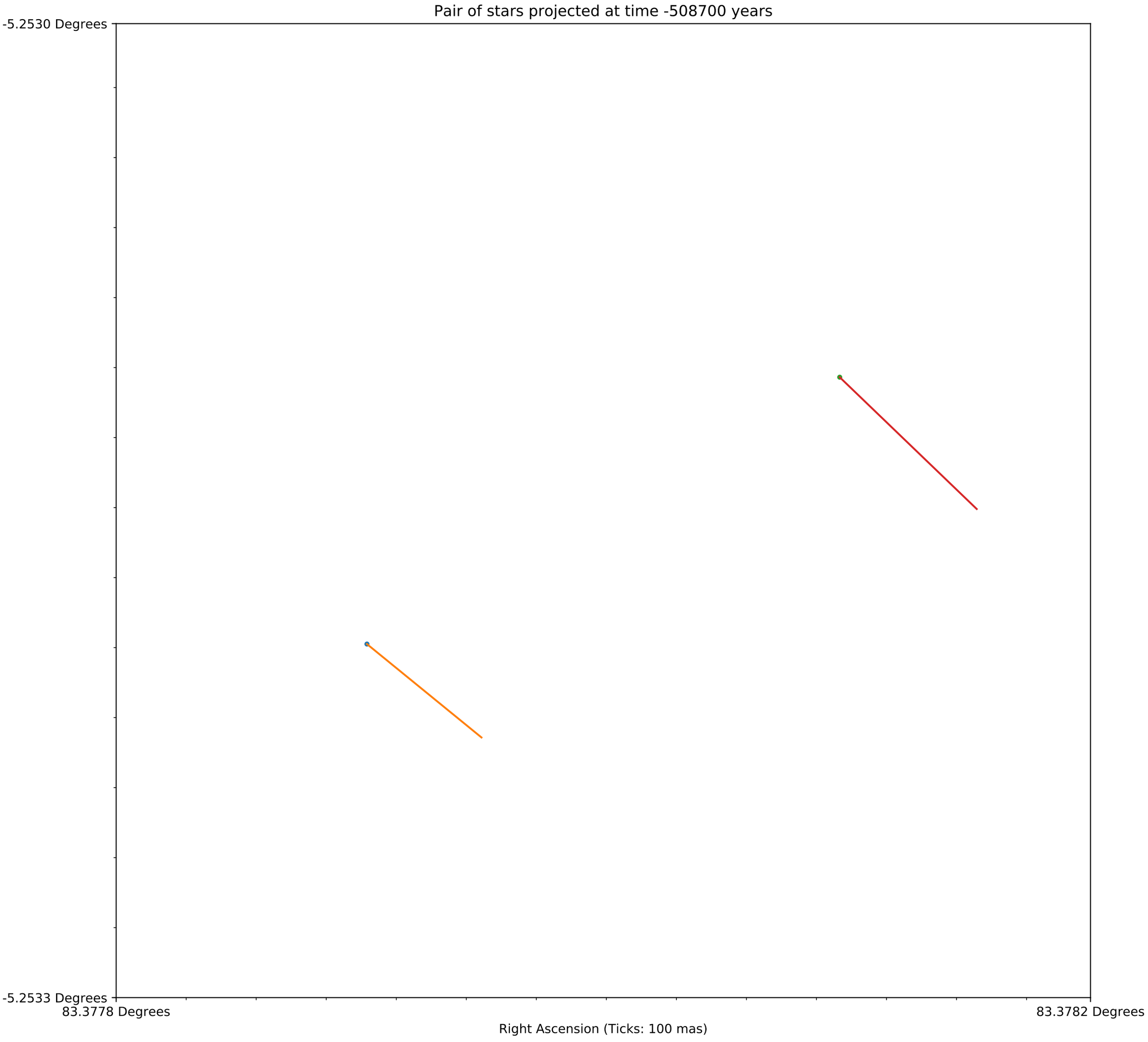

Pair of stars projected at time -489400 years
-5.5497 Degrees
Declination (Ticks: 100 mas)
-5.5505 Degrees
81.8606 Degrees
81.8614 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -497500 years
-5.4227 Degrees
-5.4231 Degrees
83.3620 Degrees
83.3624 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

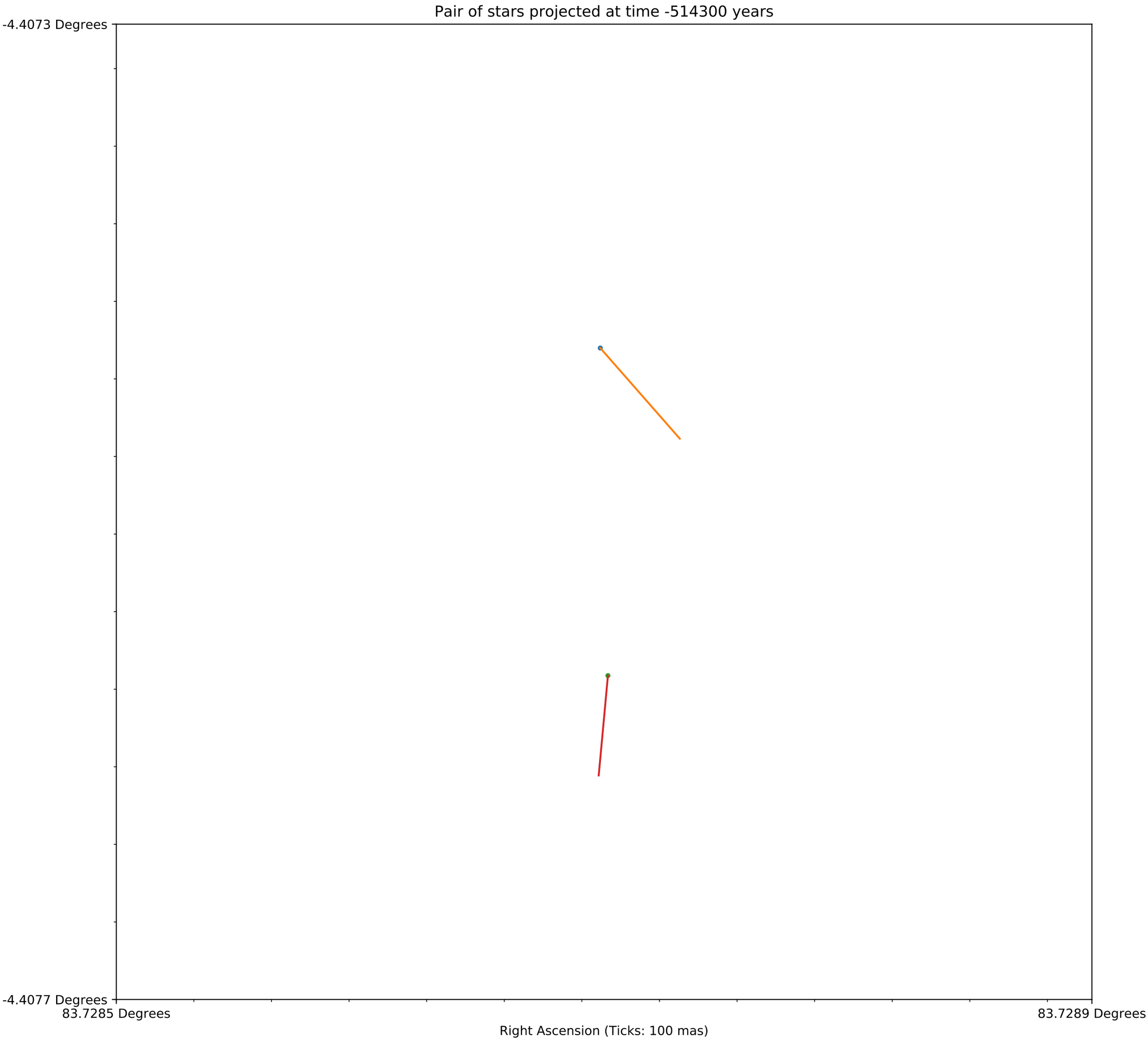
Pair of stars projected at time -503500 years
-4.5974 Degrees
Declination (Ticks: 100 mas)
-4.5979 Degrees
83.6423 Degrees
83.6427 Degrees
Right Ascension (Ticks: 100 mas)

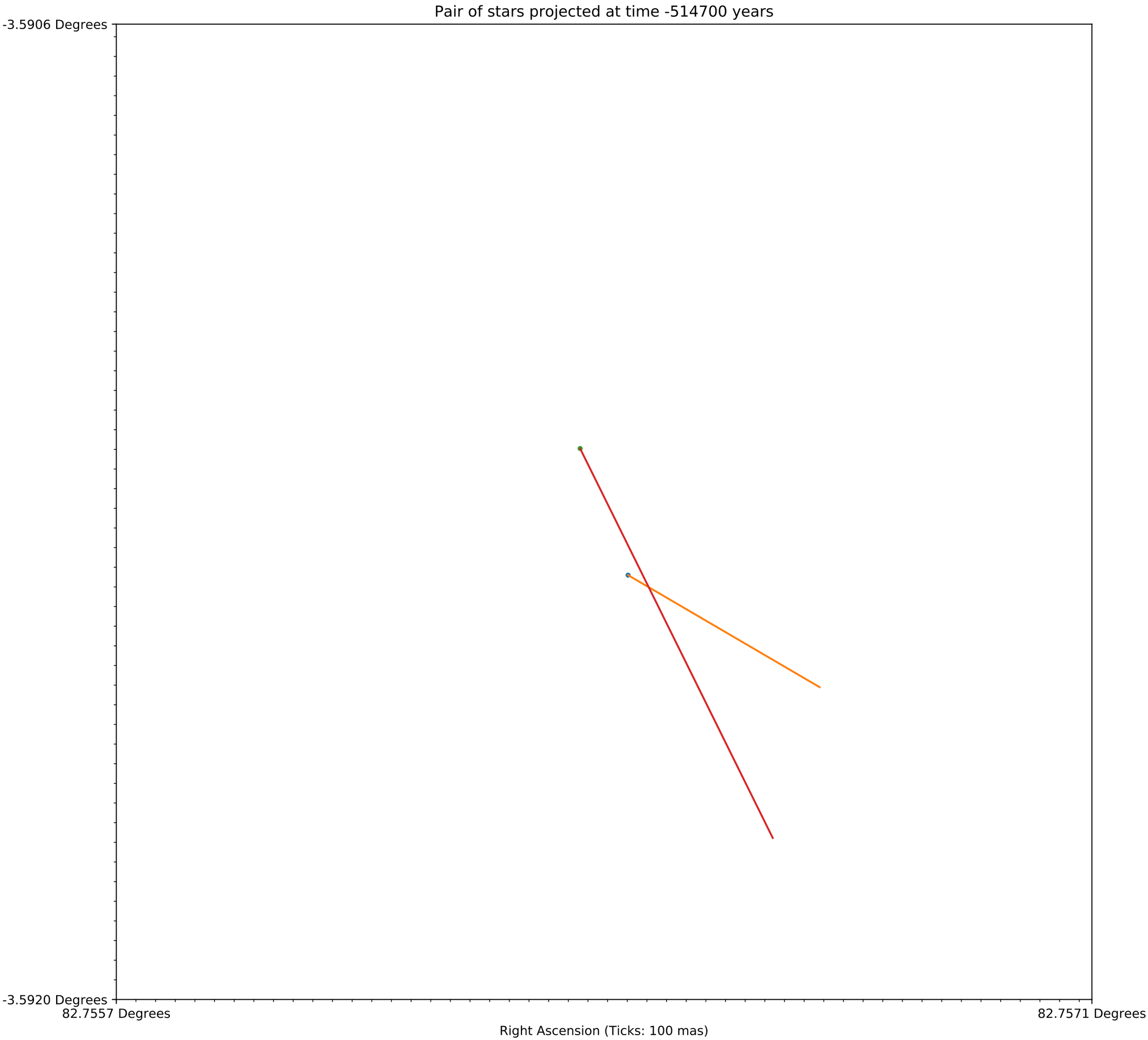
Pair of stars projected at time -505600 years
-5.6057 Degrees
Declination (Ticks: 100 mas)
-5.6062 Degrees
84.4007 Degrees
84.4012 Degrees
Right Ascension (Ticks: 100 mas)

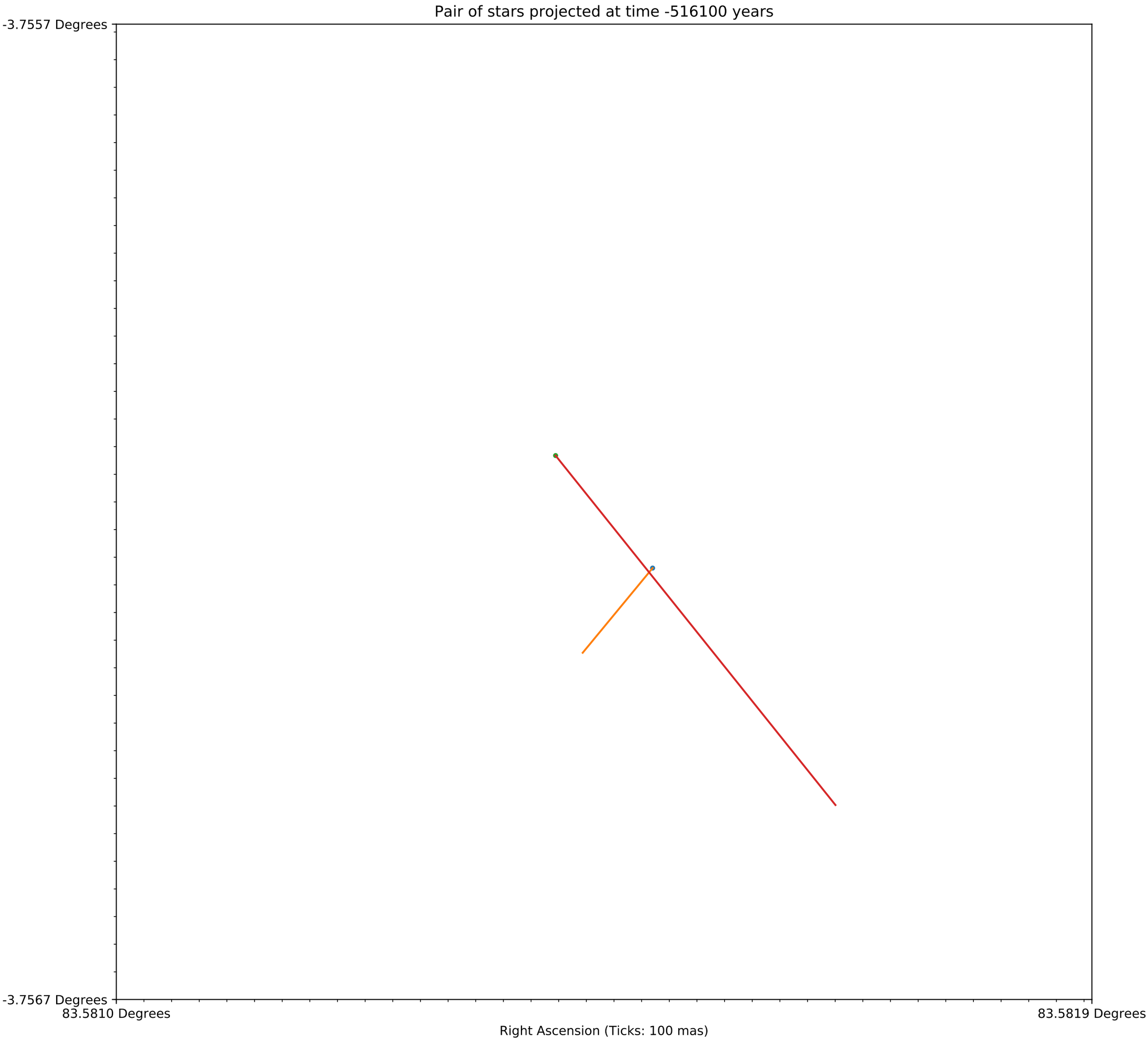

Pair of stars projected at time -507100 years
-4.8082 Degrees
Declination (Ticks: 100 mas)
-4.8085 Degrees
83.5423 Degrees
83.5427 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -508700 years
-5.2530 Degrees
-5.2533 Degrees
83.3778 Degrees
83.3782 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

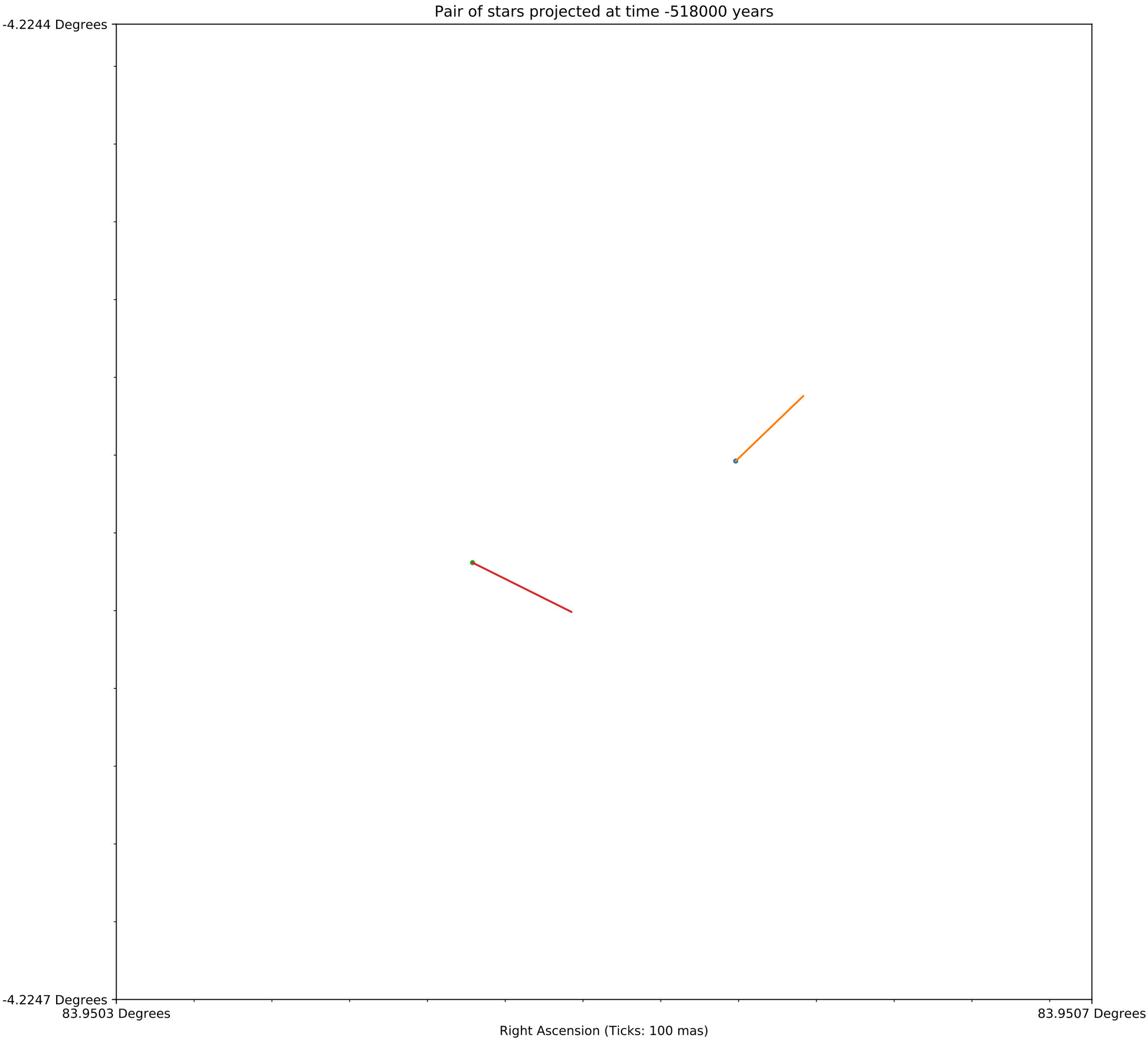
Pair of stars projected at time -509800 years
-4.9462 Degrees
-4.9469 Degrees
83.5832 Degrees
83.5840 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

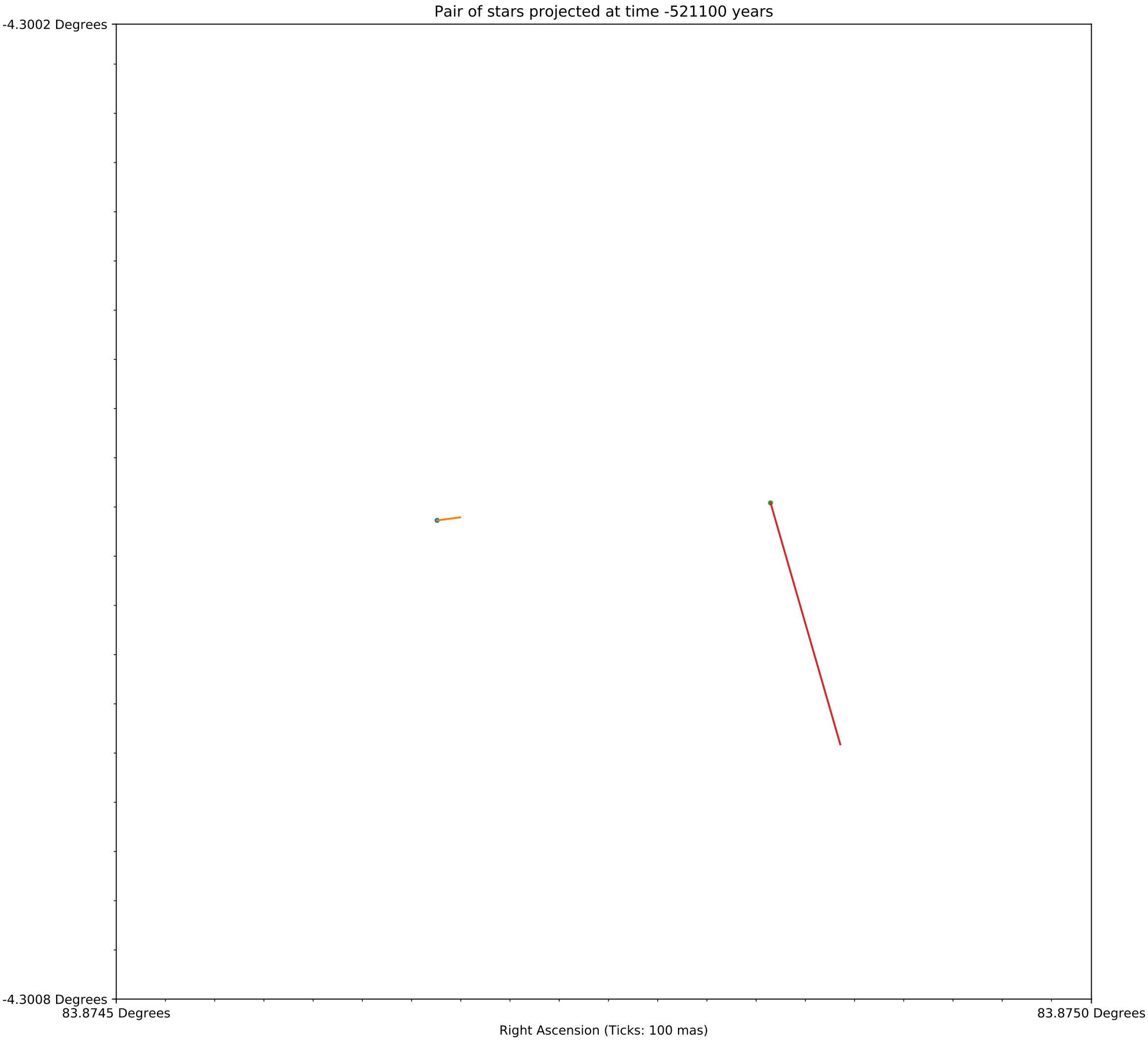

Pair of stars projected at time -514300 years
-4.4073 Degrees
-4.4077 Degrees
83.7285 Degrees
83.7289 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

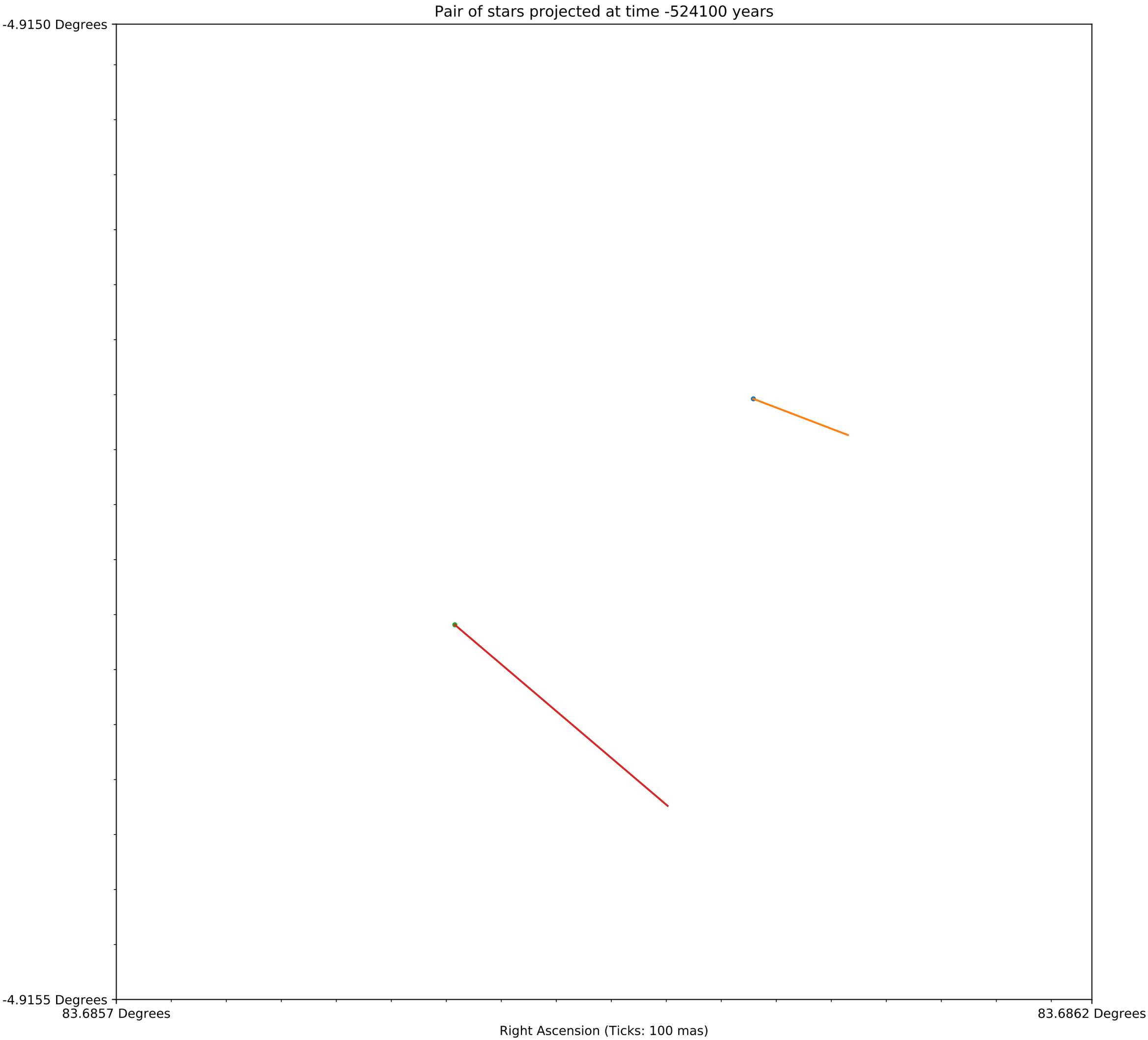

Pair of stars projected at time -514700 years
-3.5906 Degrees
Declination (Ticks: 100 mas)
-3.5920 Degrees
82.7557 Degrees
82.7571 Degrees
Right Ascension (Ticks: 100 mas)

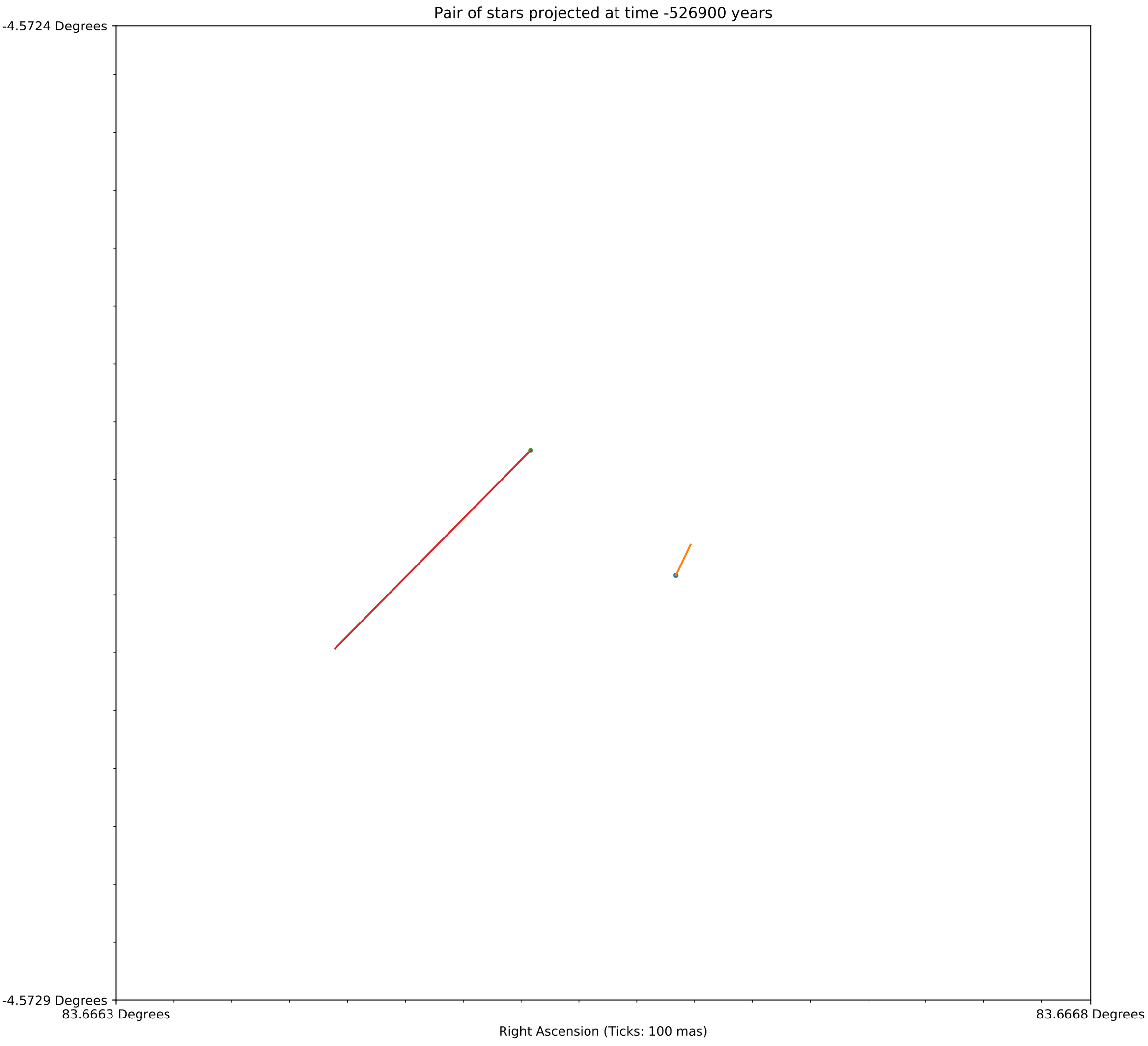

Pair of stars projected at time -516100 years
-3.7557 Degrees
Declination (Ticks: 100 mas)
-3.7567 Degrees
83.5810 Degrees
83.5819 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -516400 years
-4.1643 Degrees
Declination (Ticks: 100 mas)
-4.1656 Degrees
82.3254 Degrees
82.3267 Degrees
Right Ascension (Ticks: 100 mas)

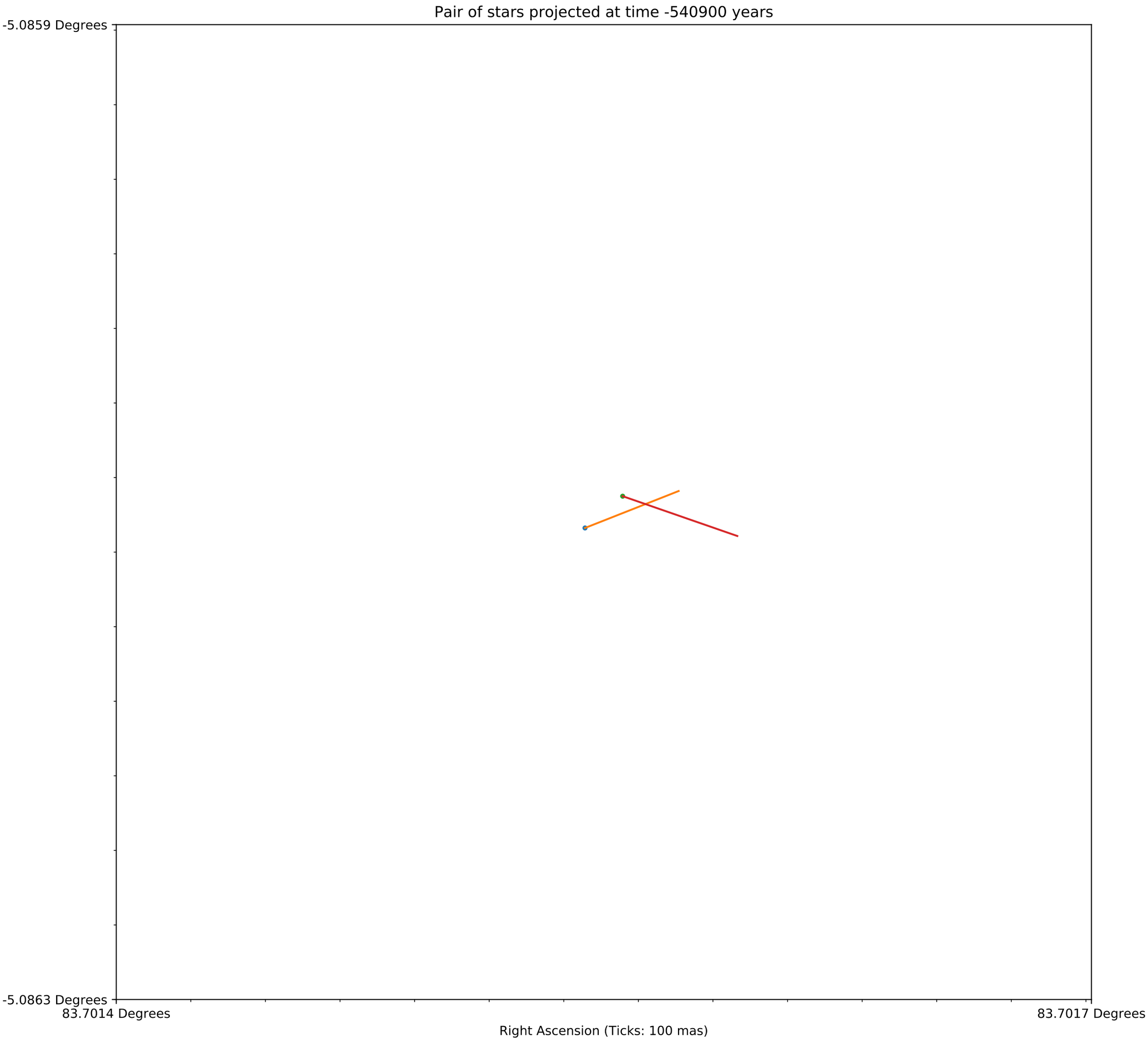

Pair of stars projected at time -518000 years
-4.2244 Degrees
-4.2247 Degrees
83.9503 Degrees
83.9507 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -521100 years
-4.3002 Degrees
-4.3008 Degrees
83.8745 Degrees
83.8750 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

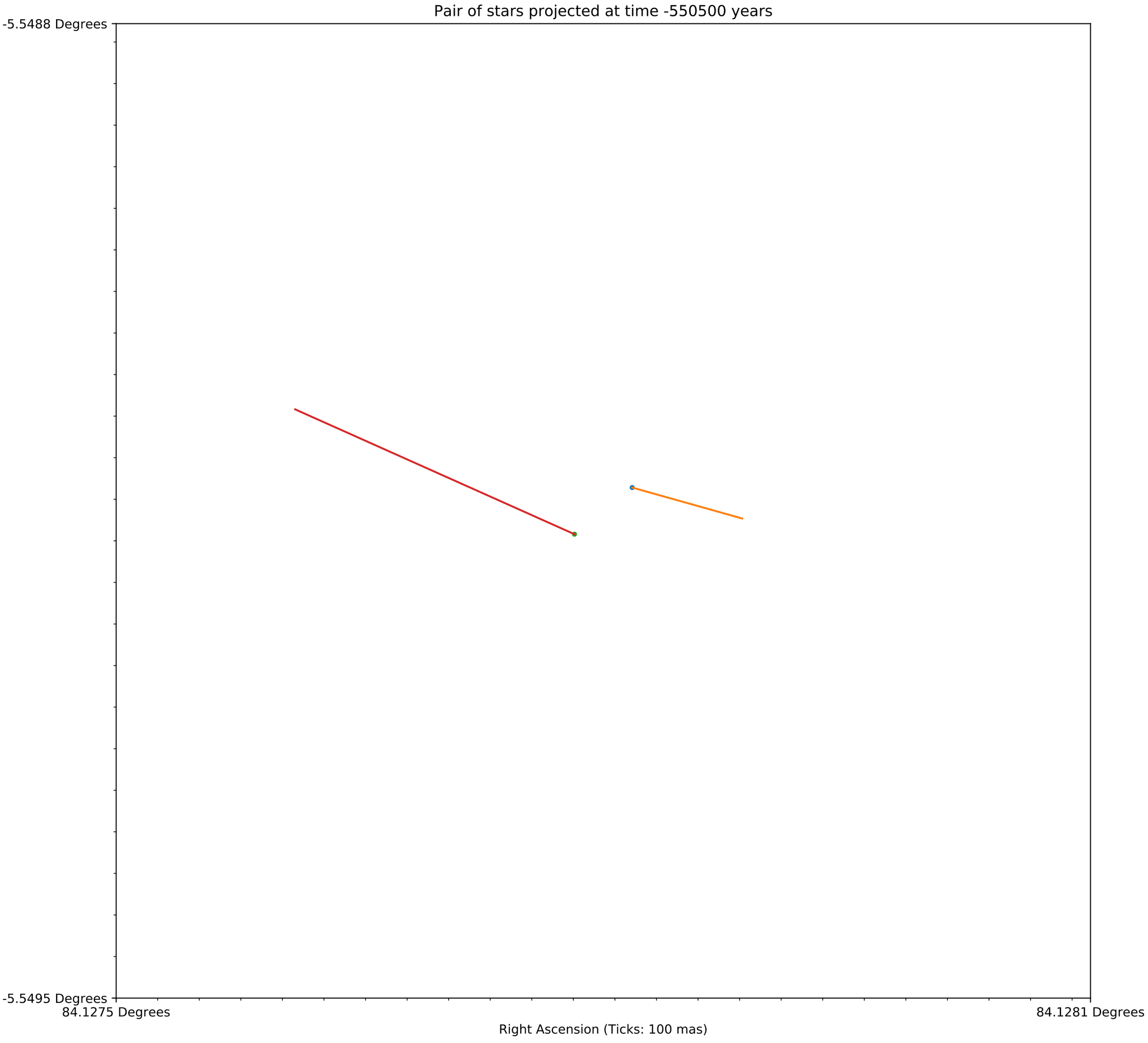

Pair of stars projected at time -524100 years
-4.9150 Degrees
-4.9155 Degrees
83.6857 Degrees
83.6862 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

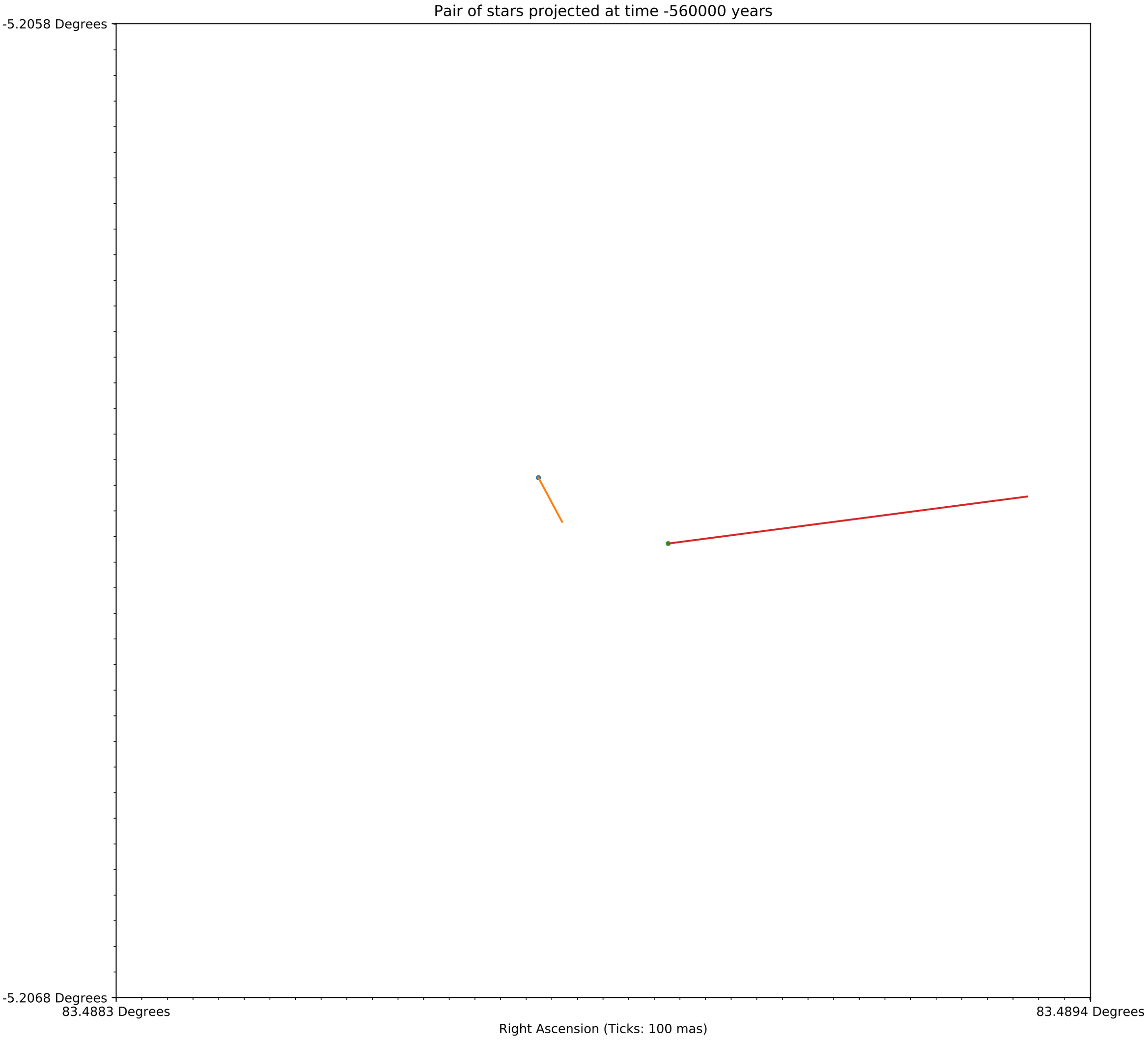

Pair of stars projected at time -526900 years
-4.5724 Degrees
Declination (Ticks: 100 mas)
-4.5729 Degrees
83.6663 Degrees
83.6668 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -536900 years
-6.7819 Degrees
-6.7823 Degrees
83.8122 Degrees
83.8126 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

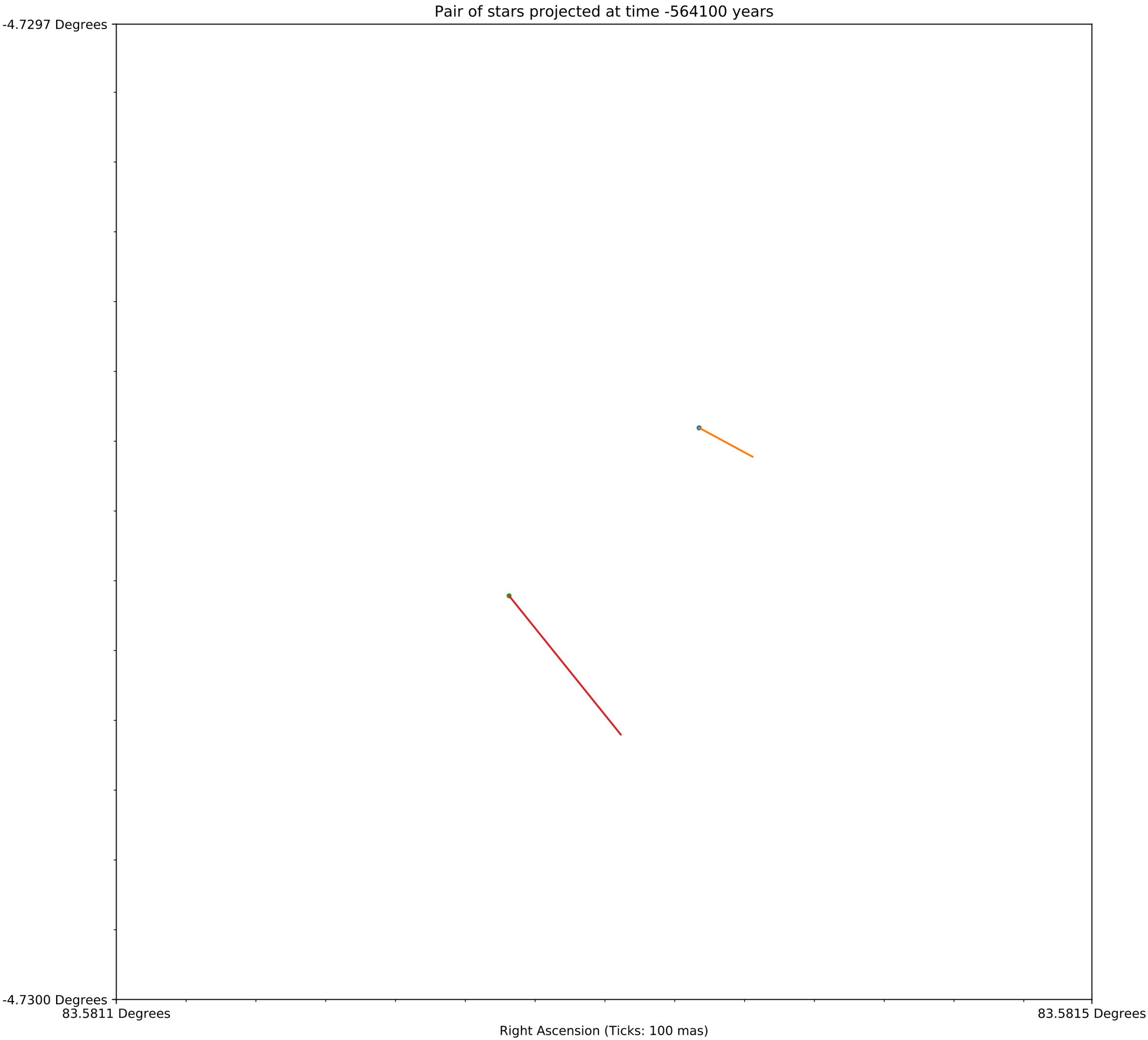

Pair of stars projected at time -540900 years
-5.0859 Degrees
Declination (Ticks: 100 mas)
-5.0863 Degrees
83.7014 Degrees
83.7017 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -547800 years
-5.0954 Degrees
-5.0958 Degrees
83.4748 Degrees
83.4752 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

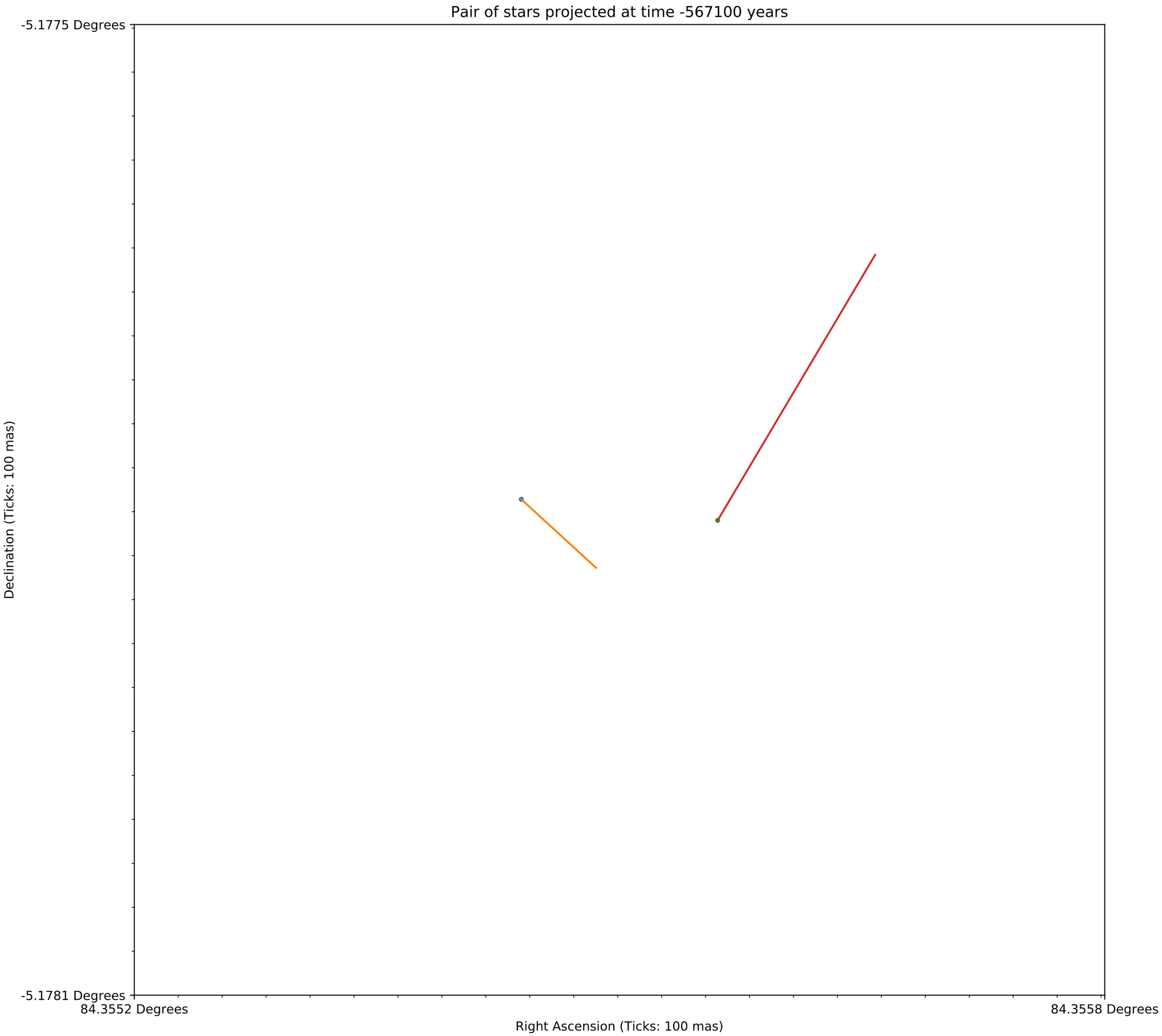

Pair of stars projected at time -550500 years
-5.5488 Degrees
-5.5495 Degrees
84.1275 Degrees
84.1281 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

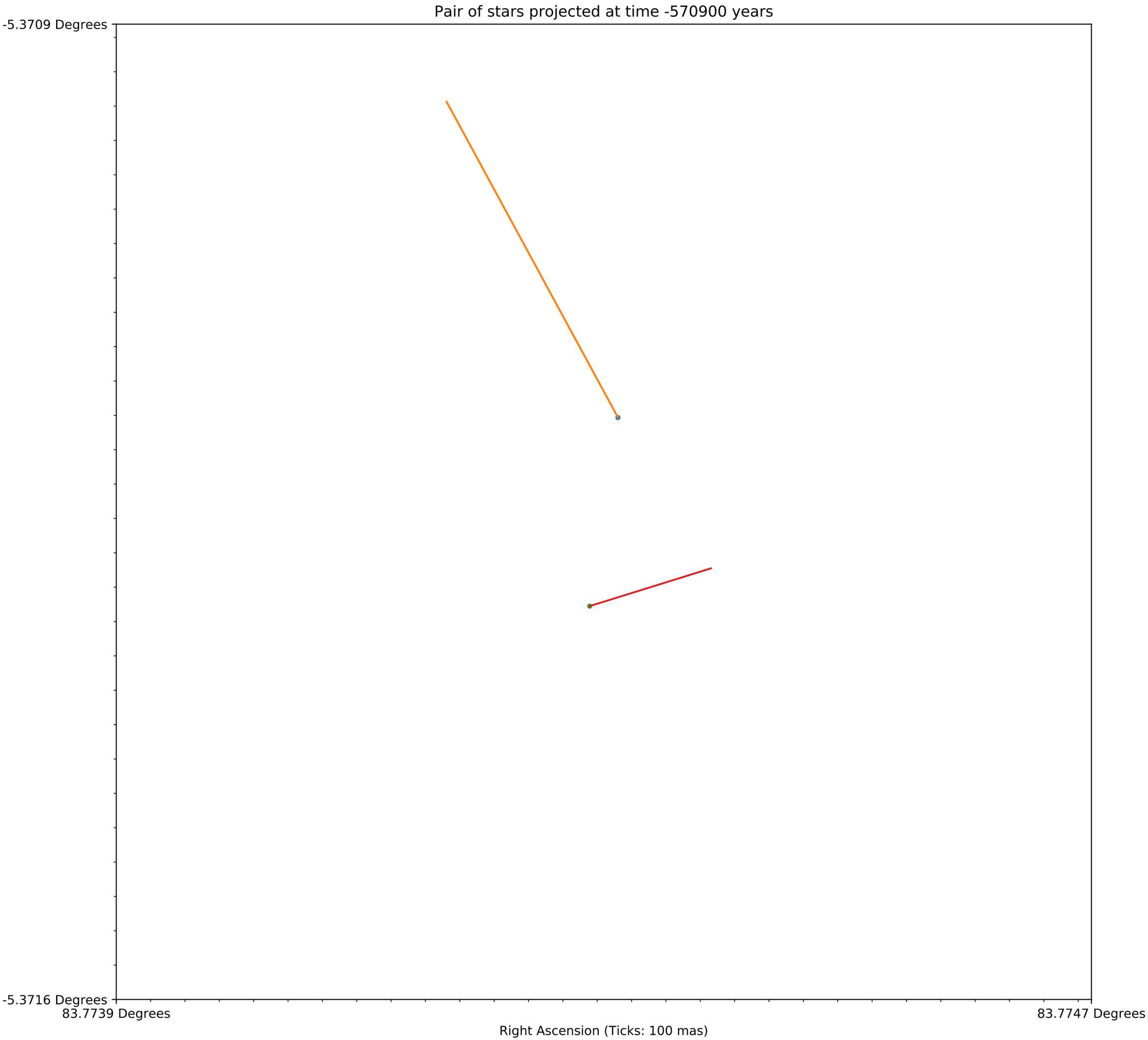

Pair of stars projected at time -560000 years
-5.2058 Degrees
Declination (Ticks: 100 mas)
-5.2068 Degrees
83.4883 Degrees
83.4894 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -564000 years
-4.6479 Degrees
-4.6483 Degrees
83.6405 Degrees
83.6409 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -564100 years
-4.7297 Degrees
-4.7300 Degrees
83.5811 Degrees
83.5815 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

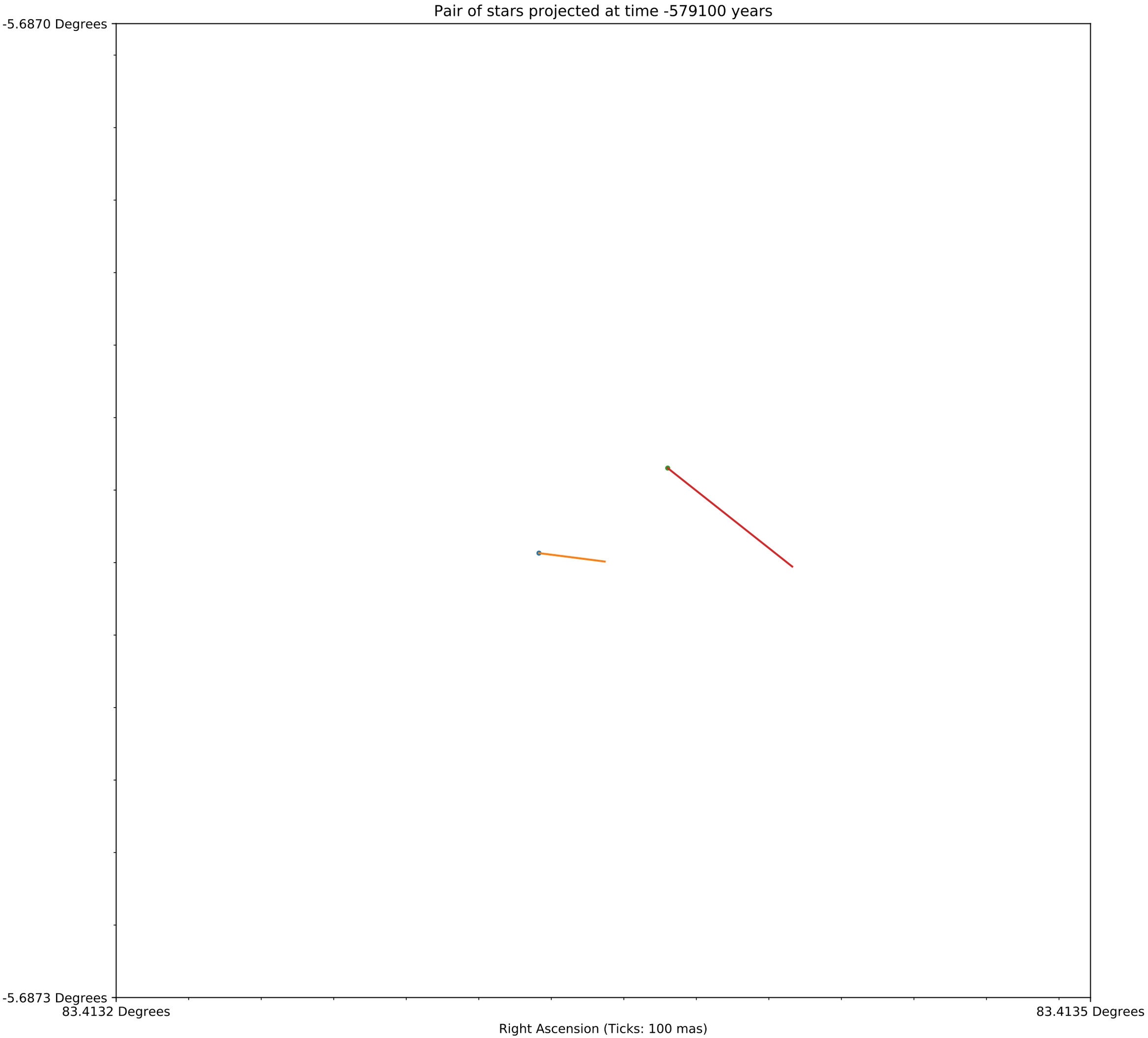
Pair of stars projected at time -566500 years
-6.3349 Degrees
Declination (Ticks: 100 mas)
-6.3353 Degrees
84.1028 Degrees
84.1032 Degrees
Right Ascension (Ticks: 100 mas)

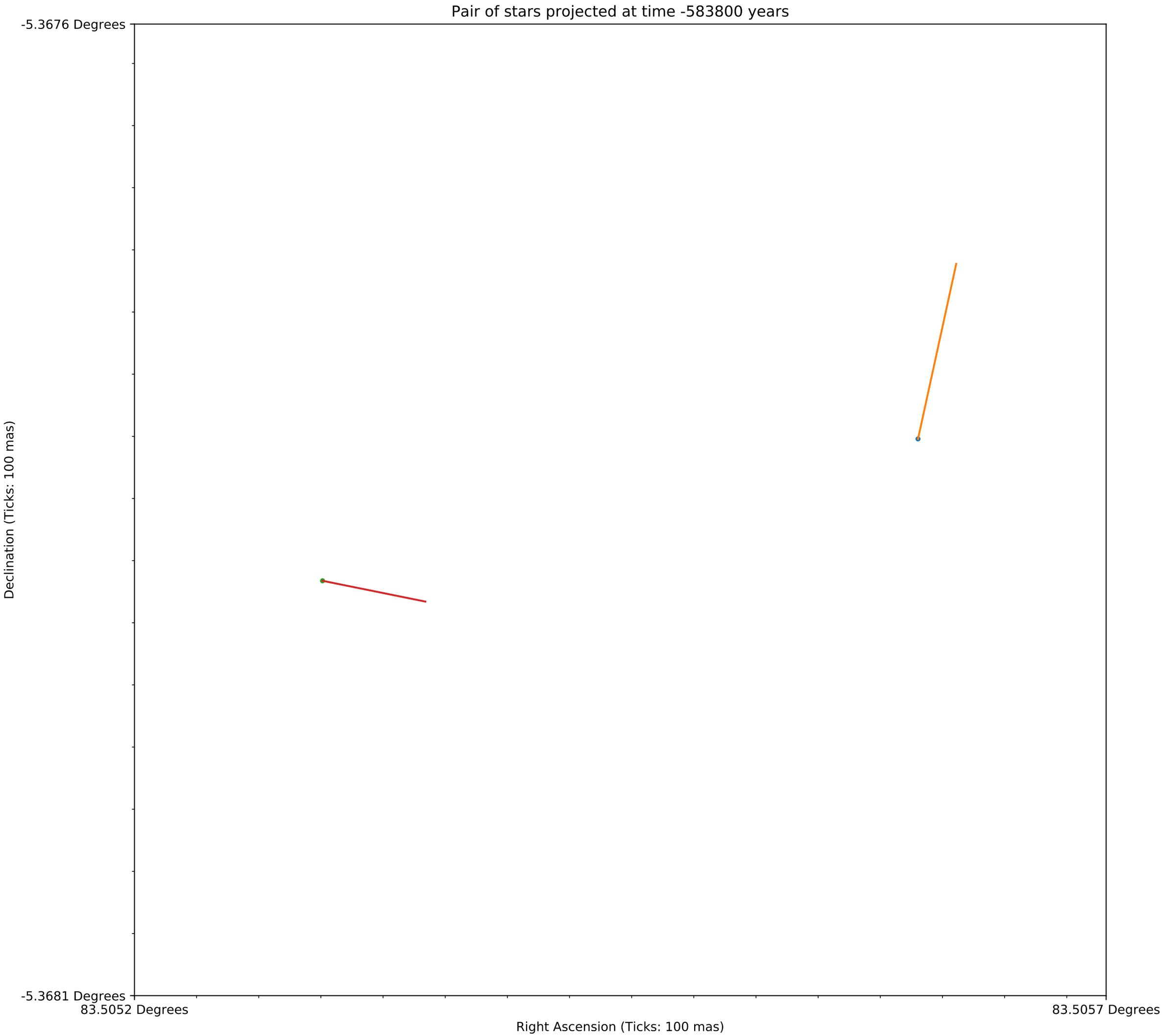

Pair of stars projected at time -567100 years
-5.1775 Degrees
Declination (Ticks: 100 mas)
-5.1781 Degrees
84.3552 Degrees
84.3558 Degrees
Right Ascension (Ticks: 100 mas)

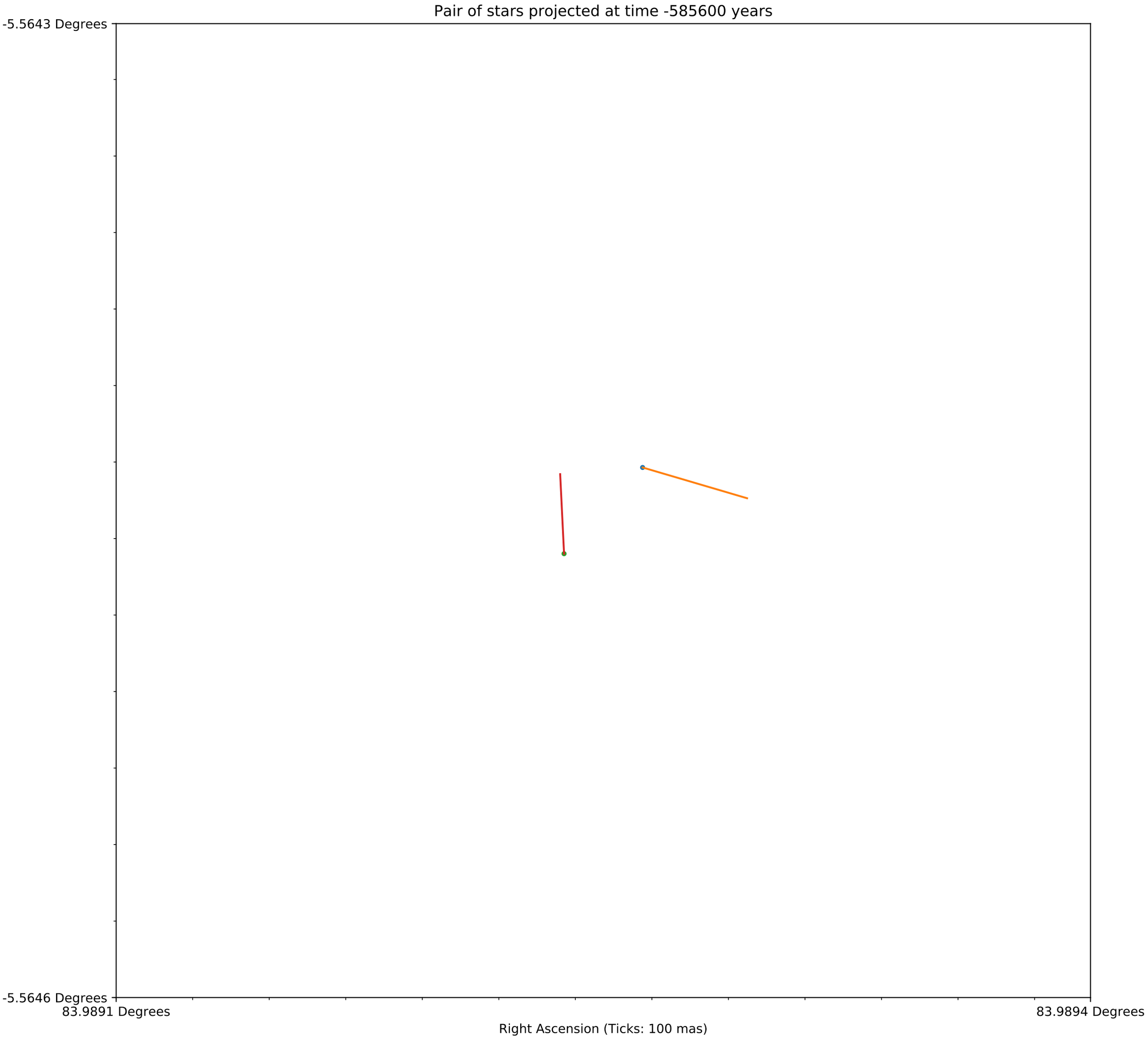

Pair of stars projected at time -570900 years
-5.3709 Degrees
Declination (Ticks: 100 mas)
-5.3716 Degrees
83.7739 Degrees
83.7747 Degrees
Right Ascension (Ticks: 100 mas)

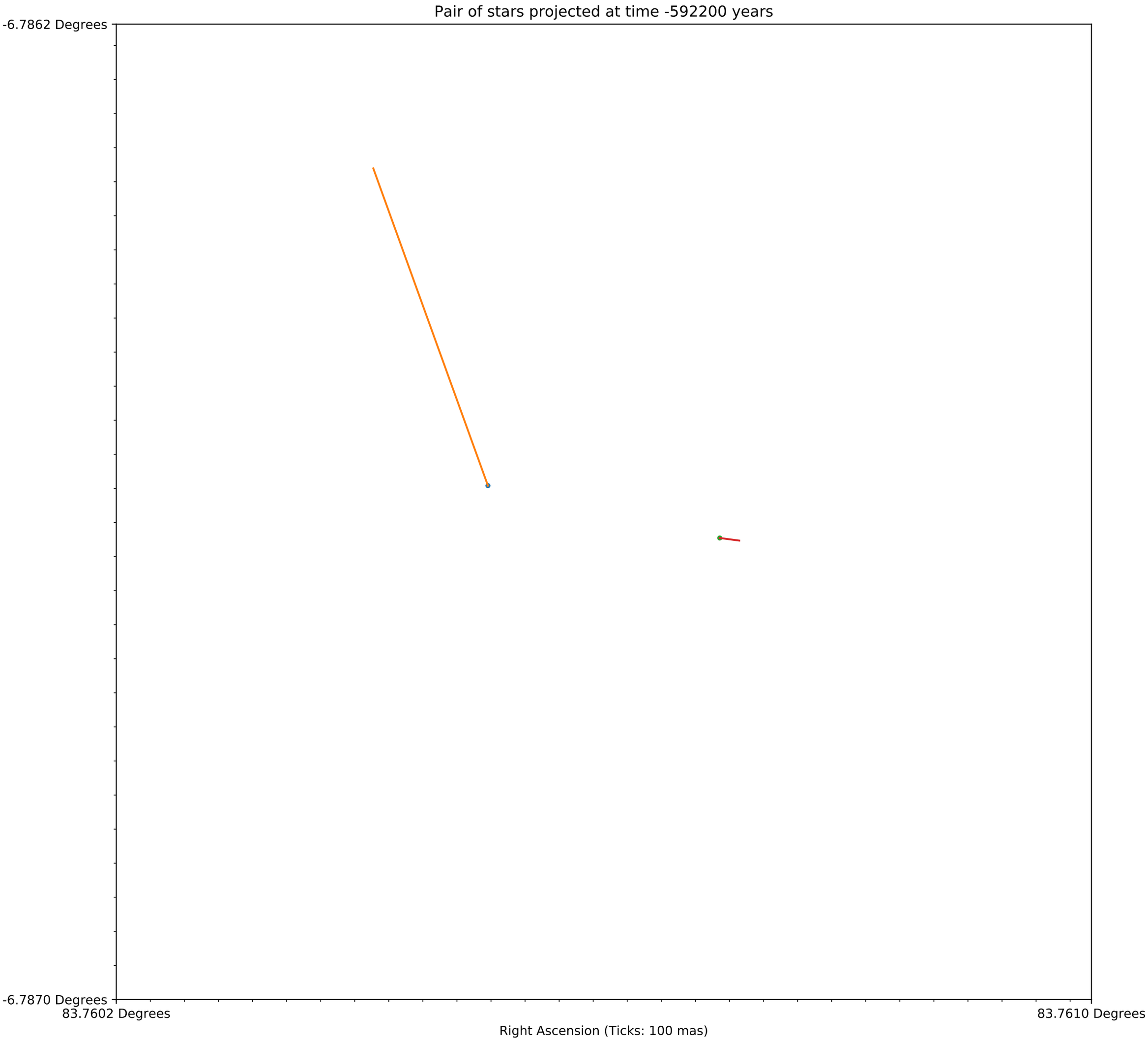
Pair of stars projected at time -572100 years
-5.0810 Degrees
-5.0815 Degrees
83.8945 Degrees
83.8950 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

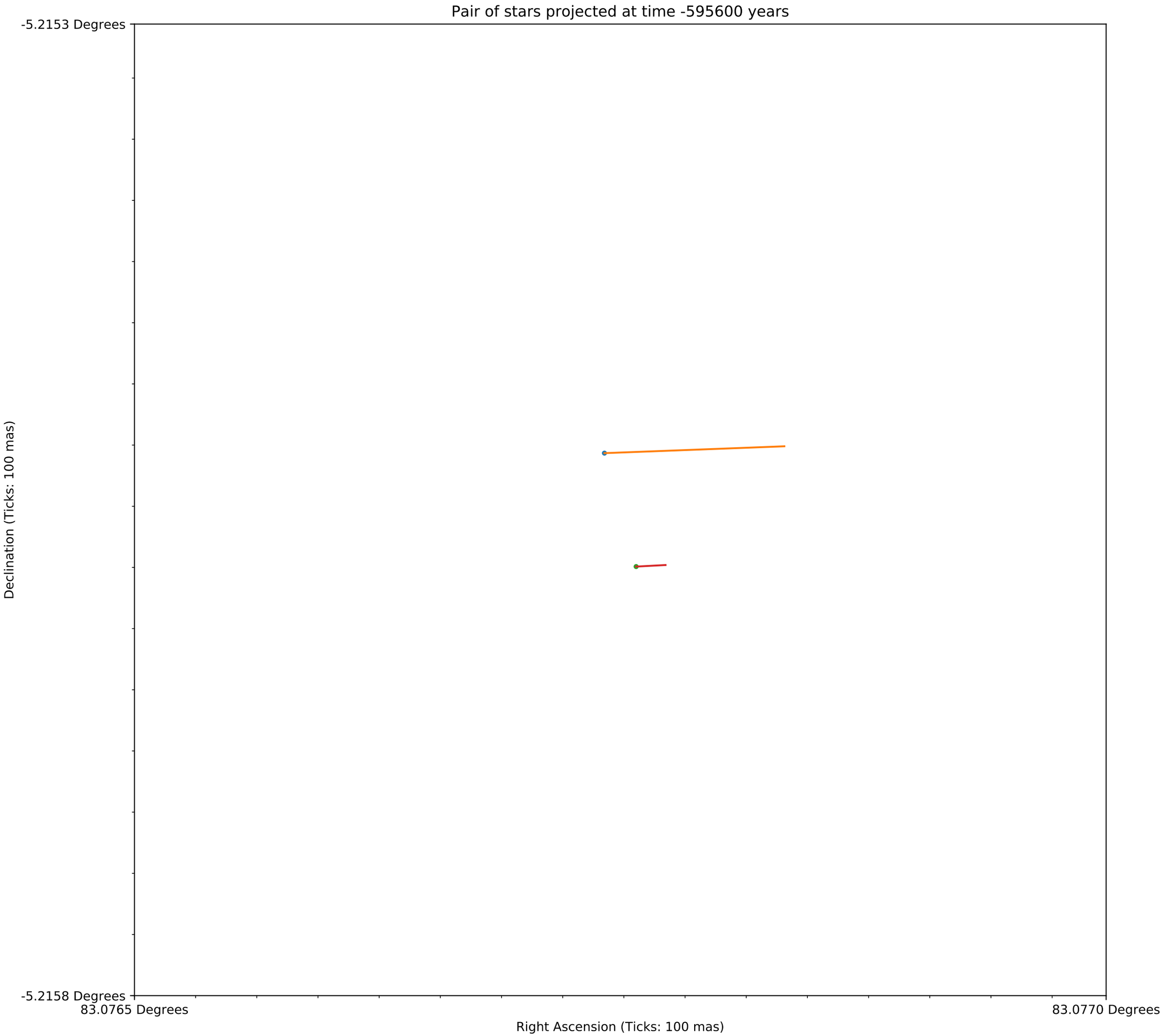
Pair of stars projected at time -576400 years
-5.5847 Degrees
-5.5852 Degrees
83.4475 Degrees
83.4480 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

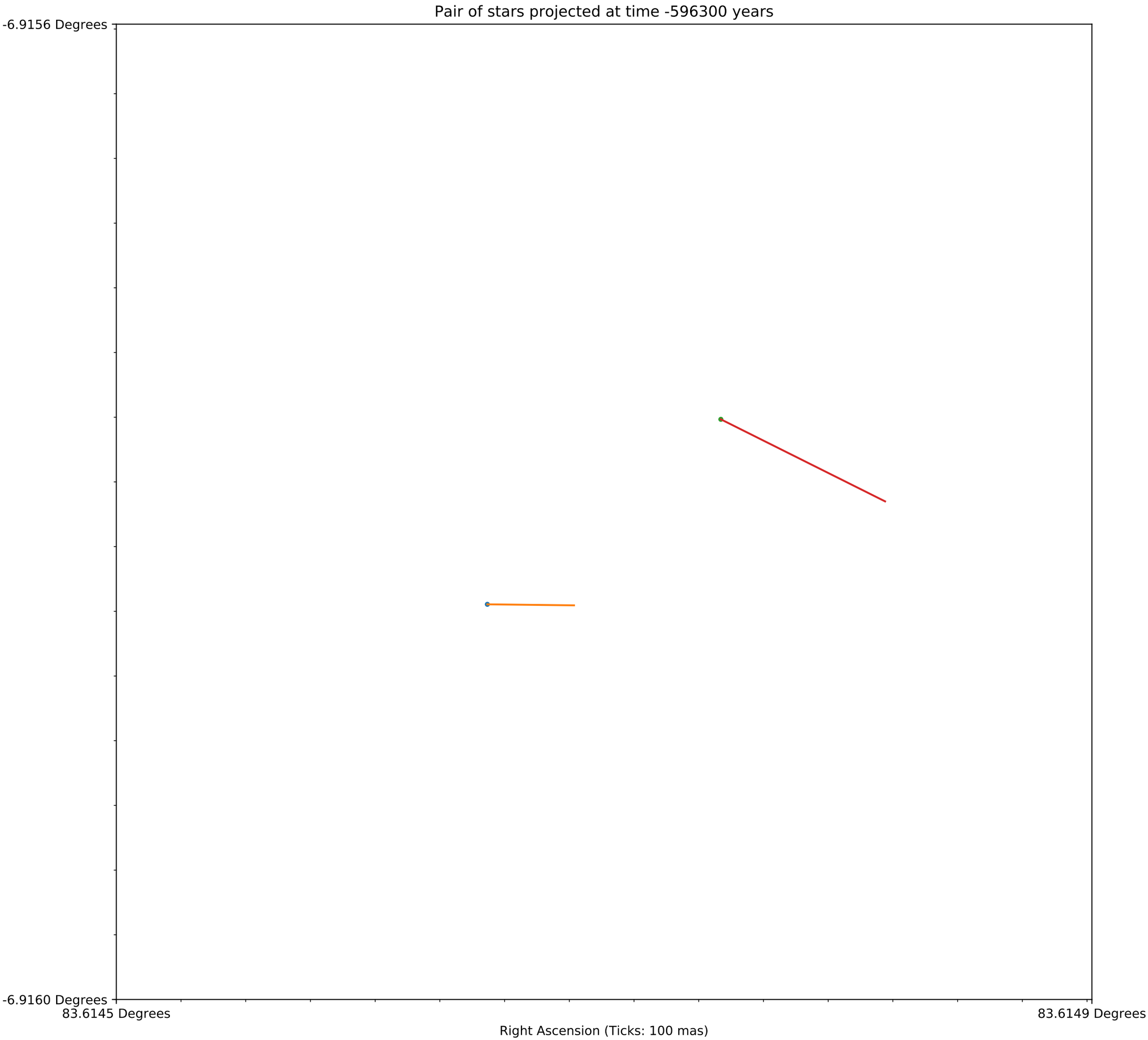

Pair of stars projected at time -579100 years
-5.6870 Degrees
Declination (Ticks: 100 mas)
-5.6873 Degrees
83.4132 Degrees
83.4135 Degrees
Right Ascension (Ticks: 100 mas)

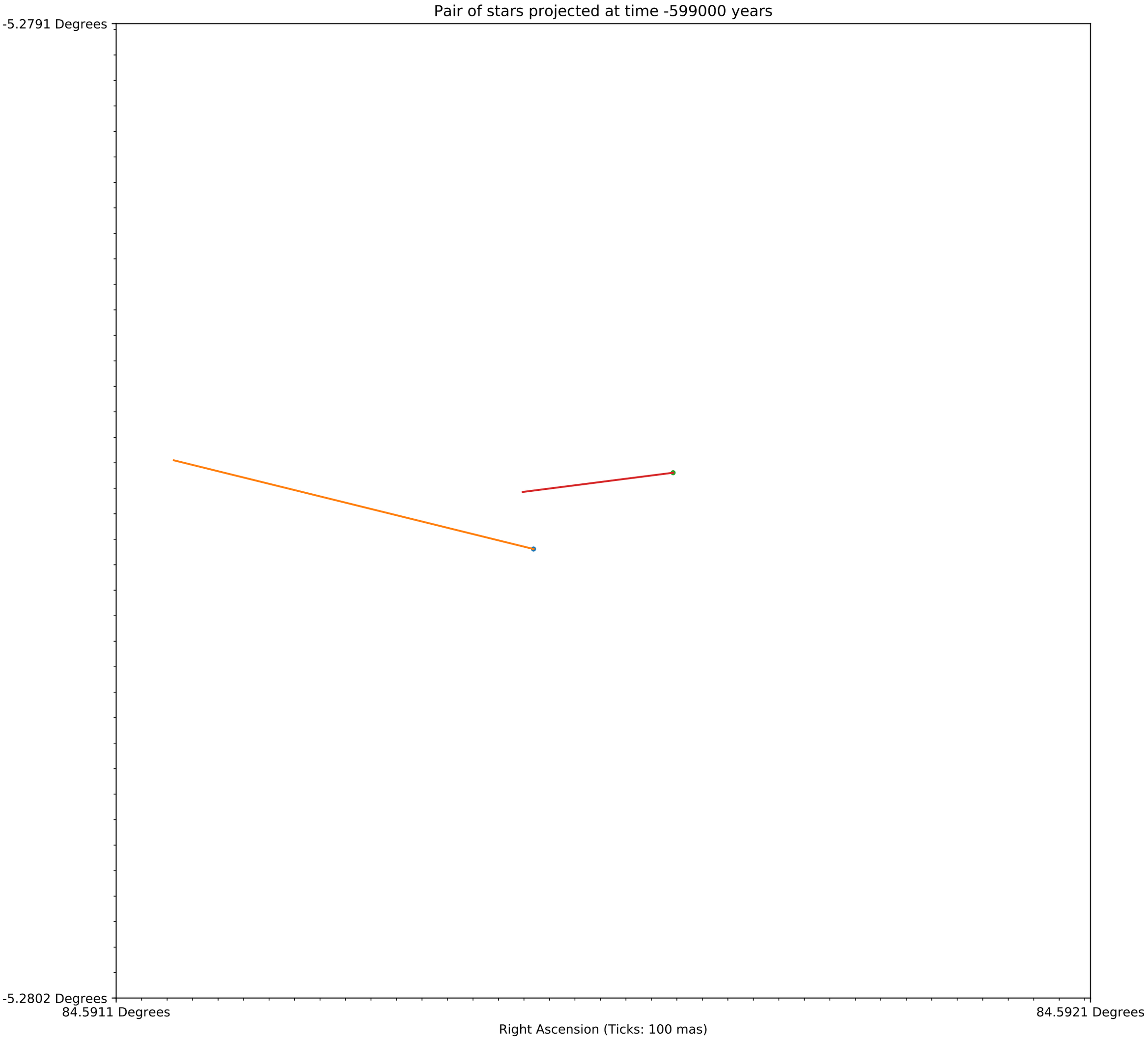

Pair of stars projected at time -583800 years
-5.3676 Degrees
Declination (Ticks: 100 mas)
-5.3681 Degrees
83.5052 Degrees
83.5057 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -585600 years
-5.5643 Degrees
Declination (Ticks: 100 mas)
-5.5646 Degrees
83.9891 Degrees
83.9894 Degrees
Right Ascension (Ticks: 100 mas)

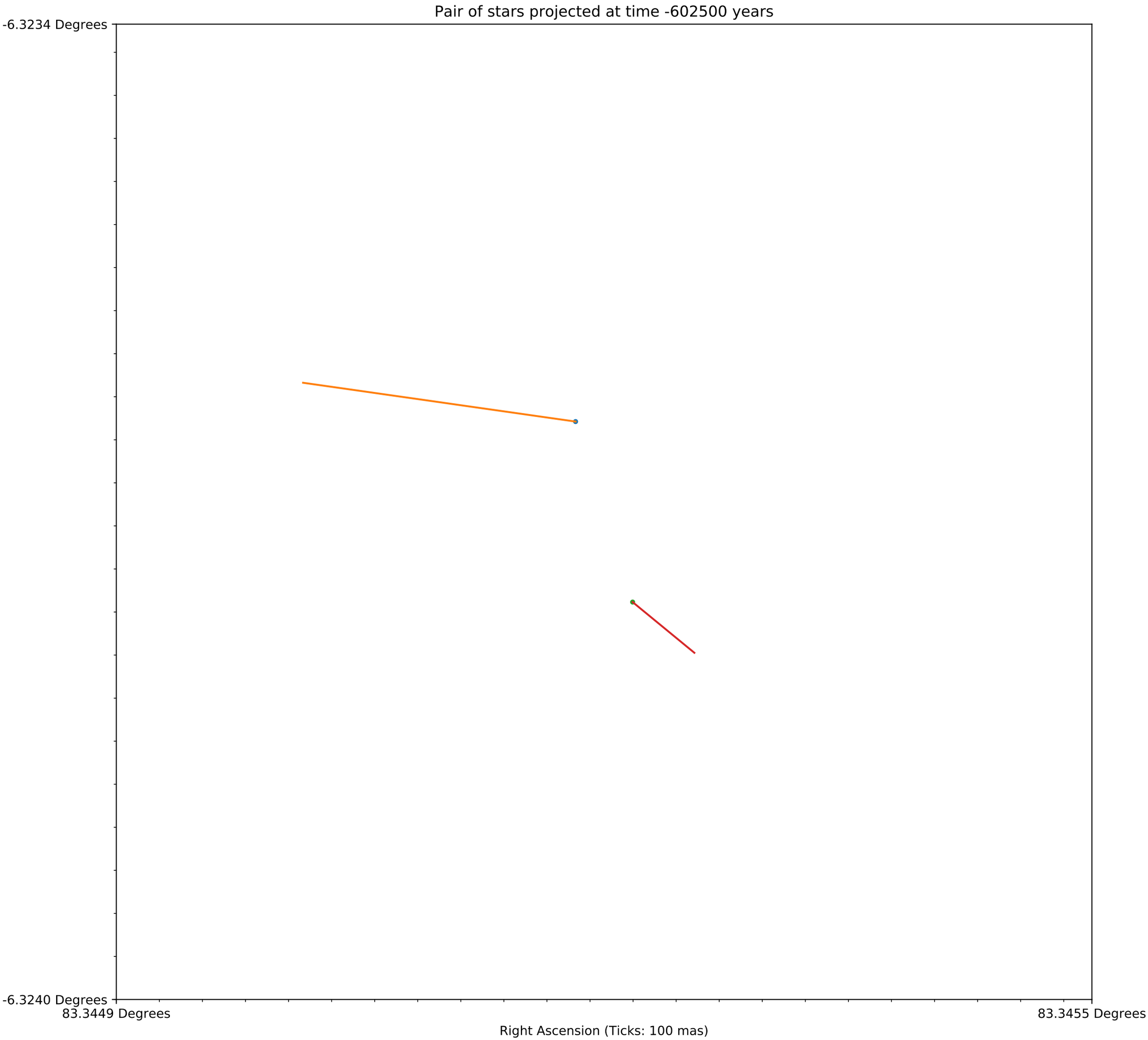

Pair of stars projected at time -592200 years
-6.7862 Degrees
Declination (Ticks: 100 mas)
-6.7870 Degrees
83.7602 Degrees
83.7610 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -595600 years
-5.2153 Degrees
-5.2158 Degrees
83.0765 Degrees
83.0770 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

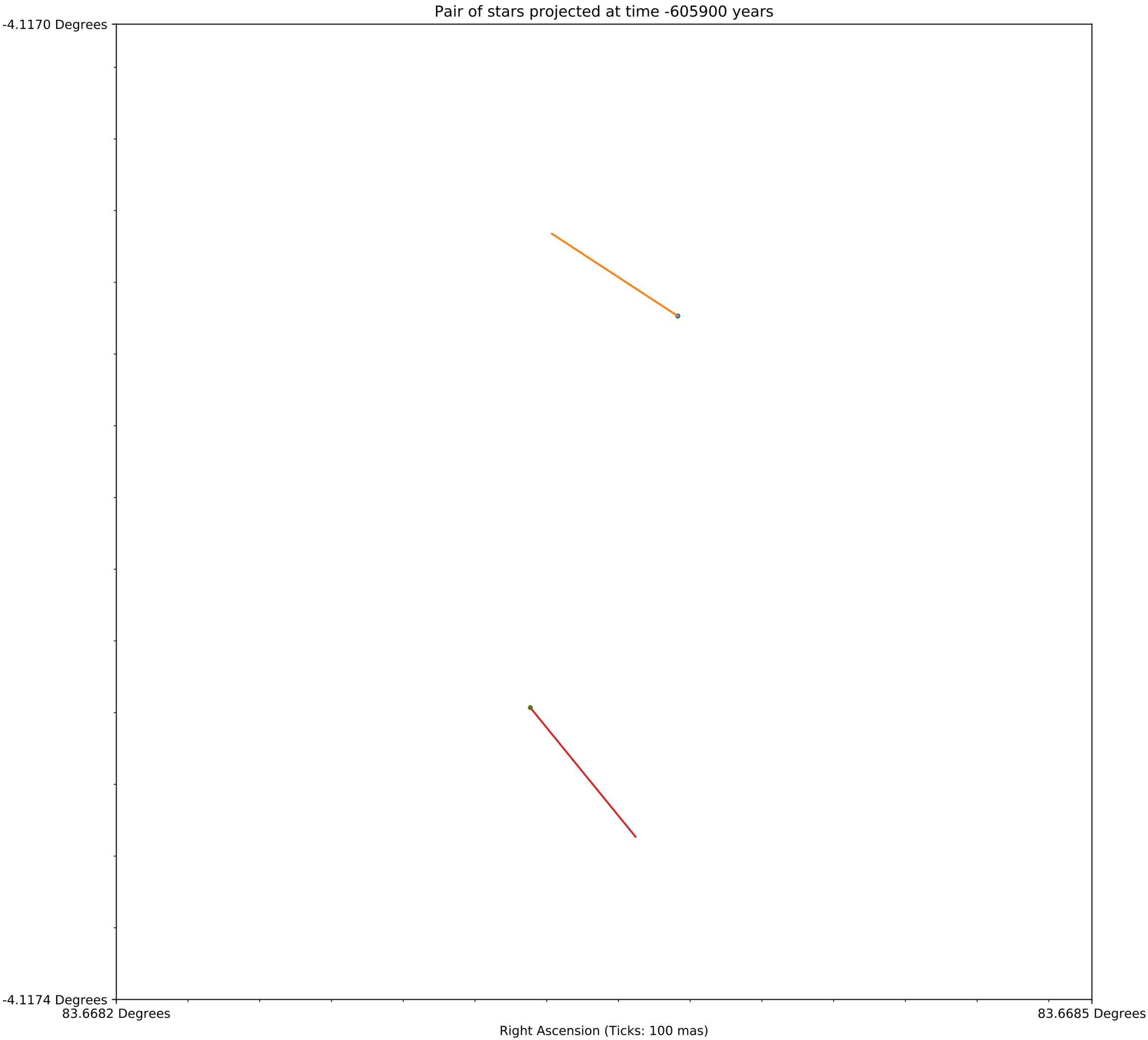

Pair of stars projected at time -596300 years
-6.9156 Degrees
Declination (Ticks: 100 mas)
-6.9160 Degrees
83.6145 Degrees
83.6149 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -599000 years
-5.2791 Degrees
-5.2802 Degrees
84.5911 Degrees
84.5921 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

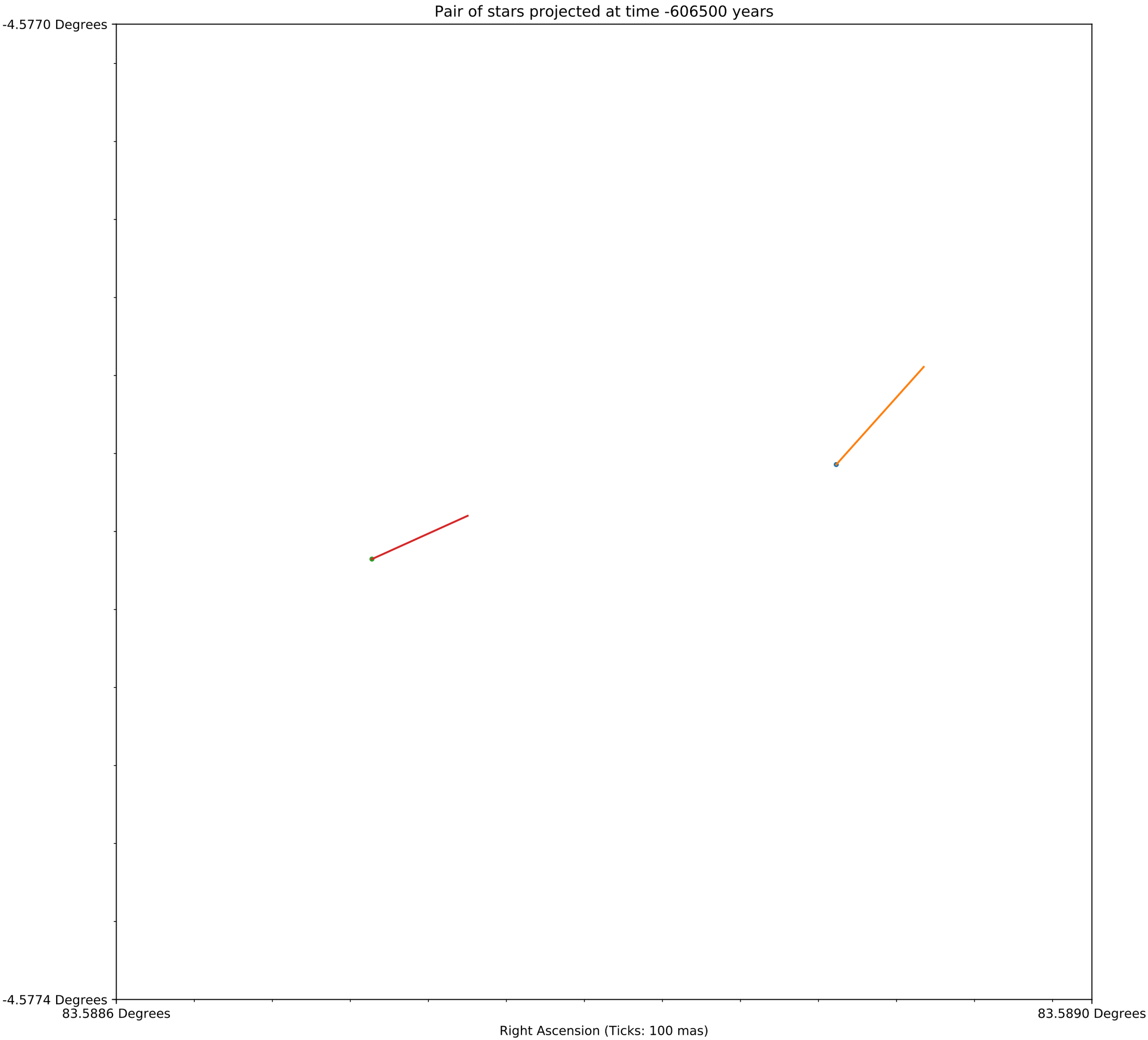
Pair of stars projected at time -599700 years
-5.0710 Degrees
Declination (Ticks: 100 mas)
-5.0715 Degrees
83.4179 Degrees
83.4184 Degrees
Right Ascension (Ticks: 100 mas)

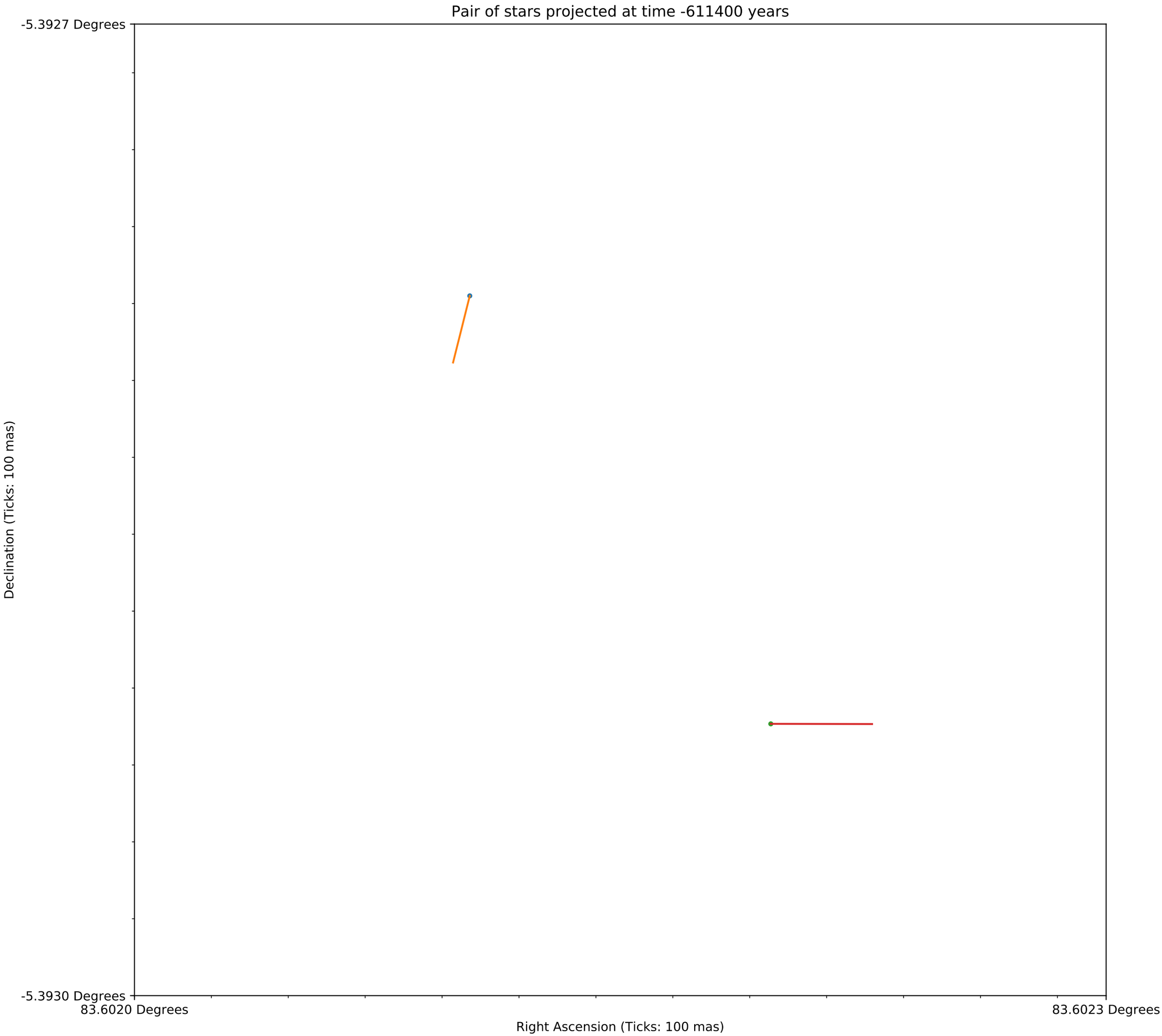

Pair of stars projected at time -602500 years
-6.3234 Degrees
-6.3240 Degrees
83.3449 Degrees
83.3455 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

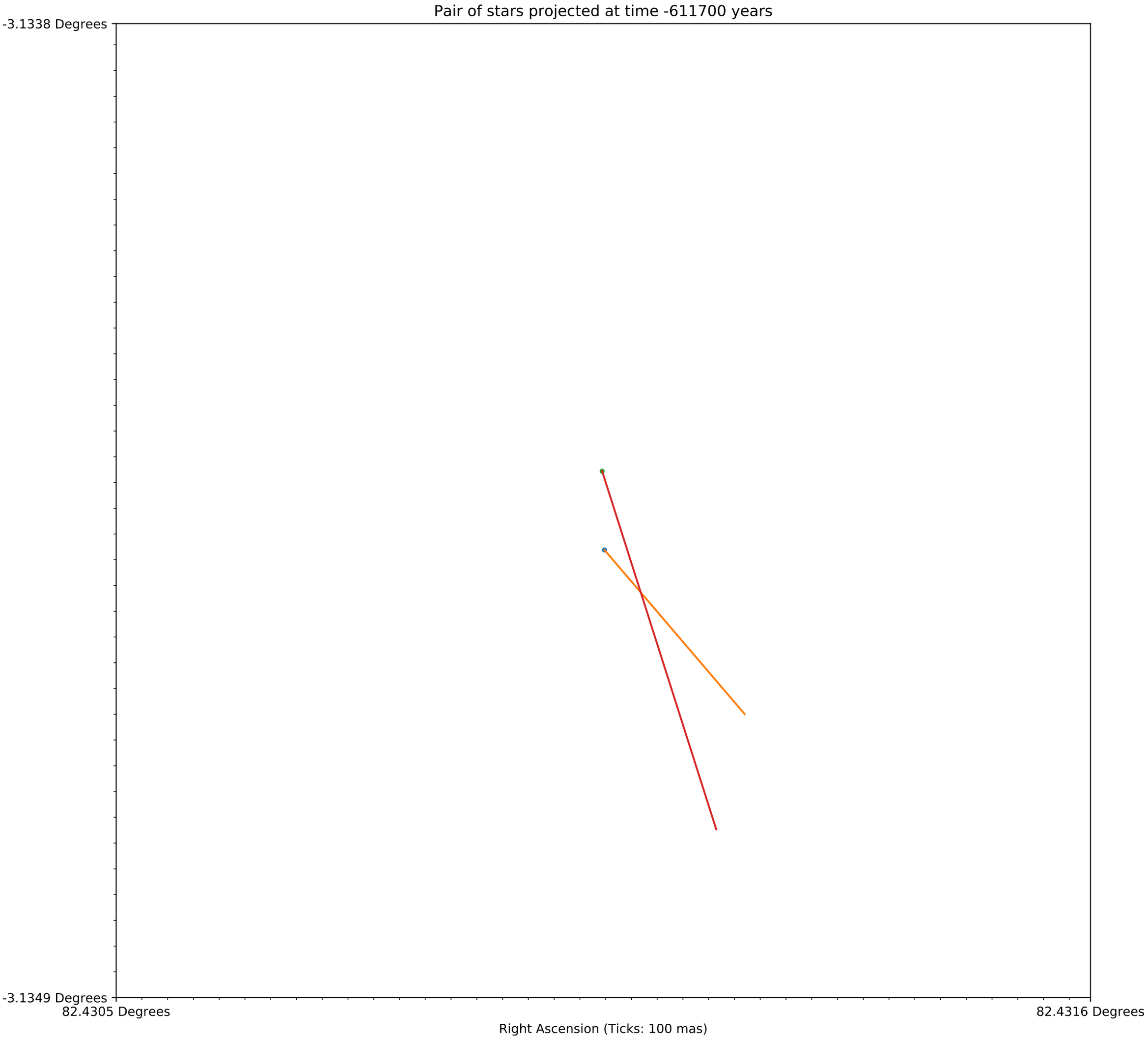
Pair of stars projected at time -603300 years
-4.9006 Degrees
Declination (Ticks: 100 mas)
-4.9009 Degrees
83.6480 Degrees
83.6484 Degrees
Right Ascension (Ticks: 100 mas)

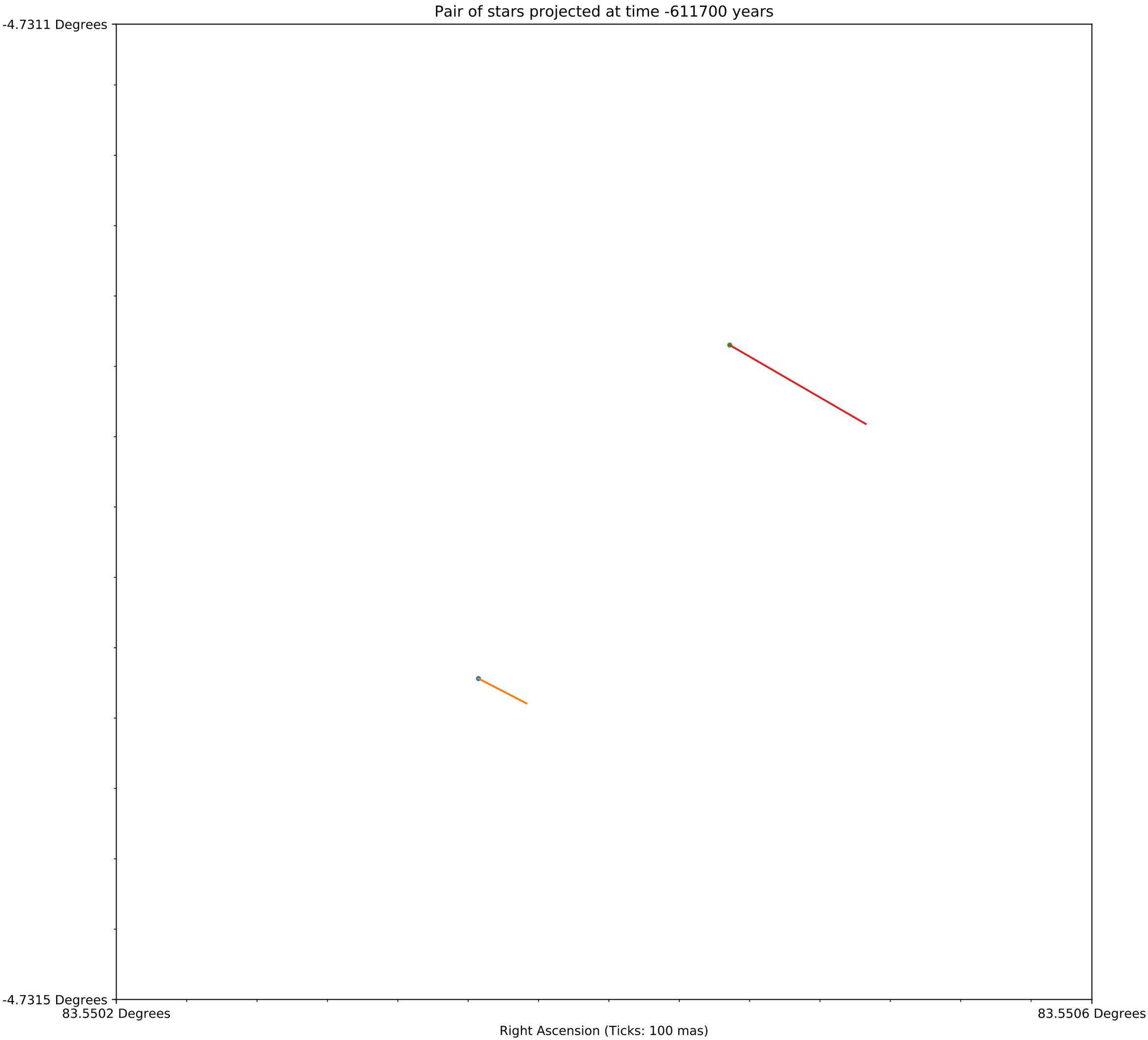

Pair of stars projected at time -605900 years
-4.1170 Degrees
Declination (Ticks: 100 mas)
-4.1174 Degrees
83.6682 Degrees
83.6685 Degrees
Right Ascension (Ticks: 100 mas)

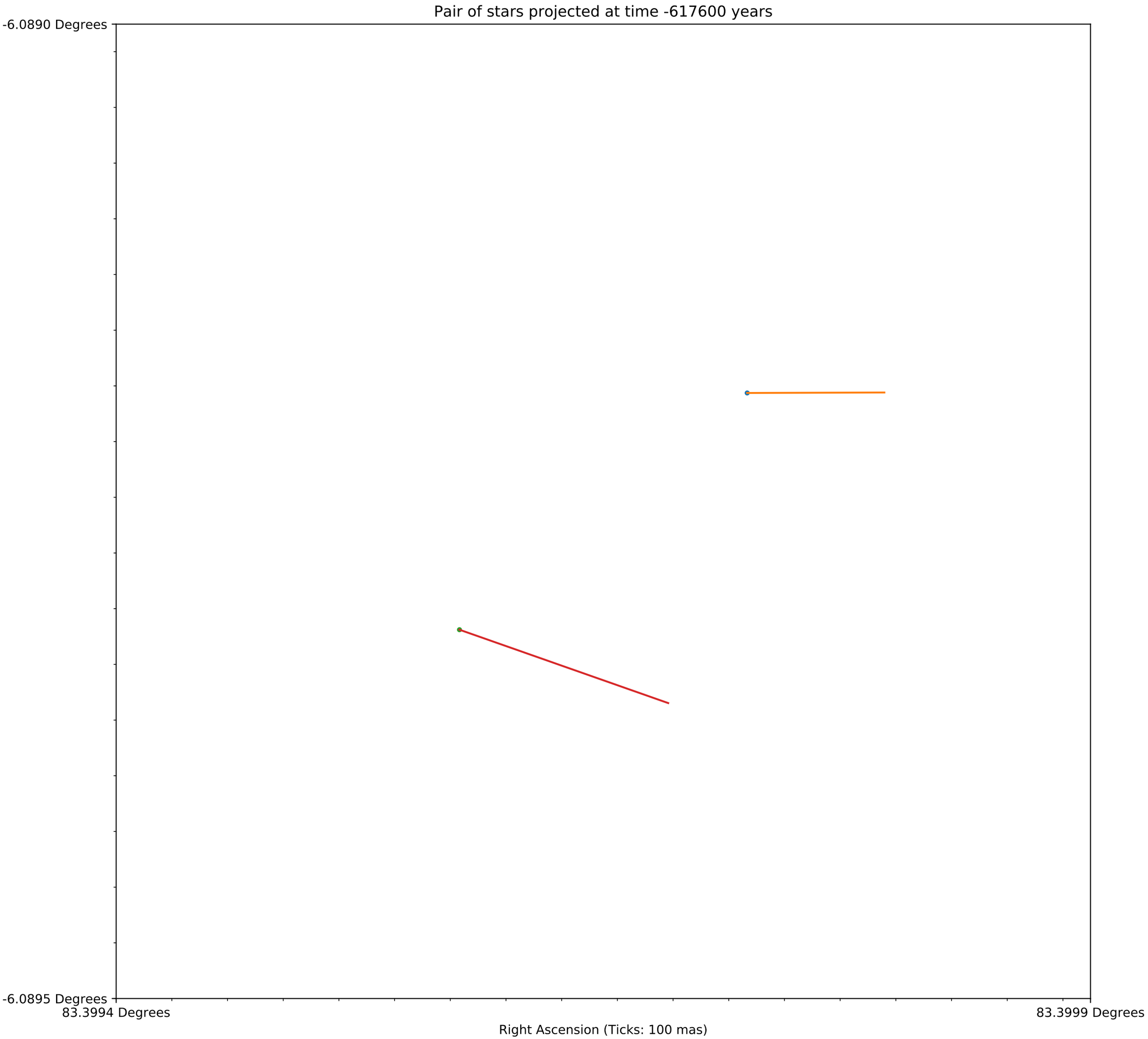
Pair of stars projected at time -606000 years
-4.9322 Degrees
-4.9326 Degrees
83.4459 Degrees
83.4463 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

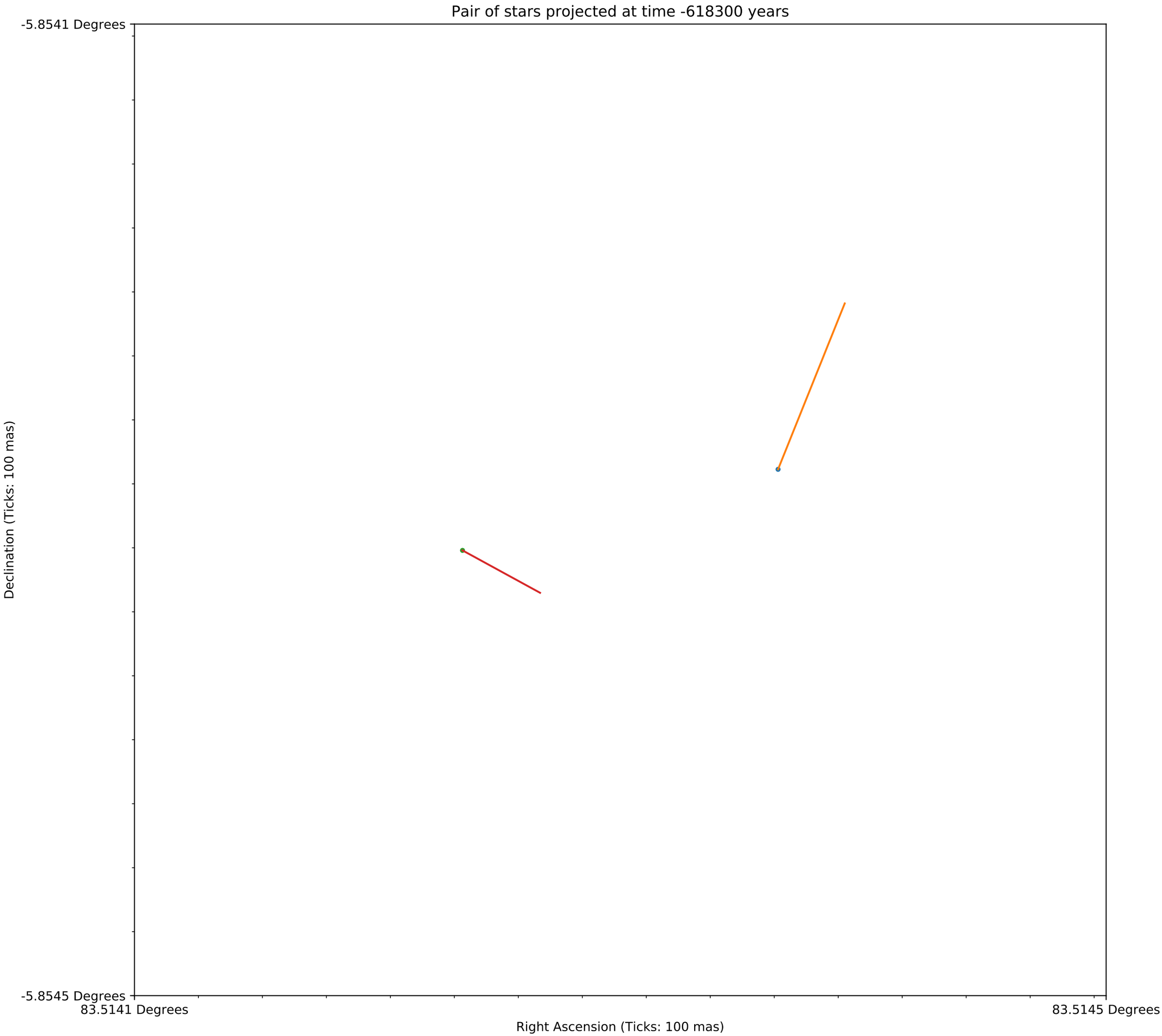

Pair of stars projected at time -606500 years
-4.5770 Degrees
-4.5774 Degrees
83.5886 Degrees
83.5890 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

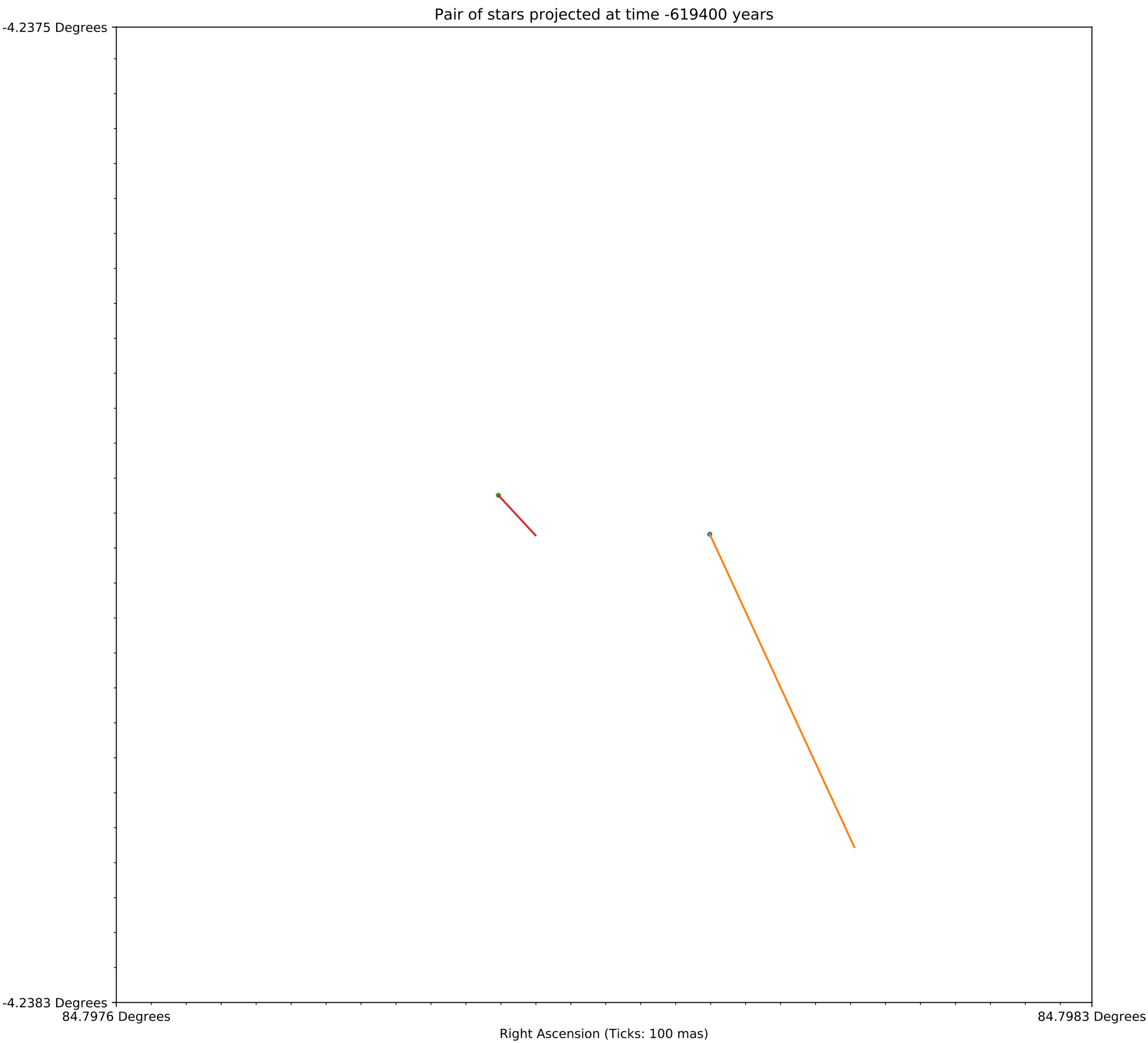

Pair of stars projected at time -611400 years
-5.3927 Degrees
-5.3930 Degrees
83.6020 Degrees
83.6023 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

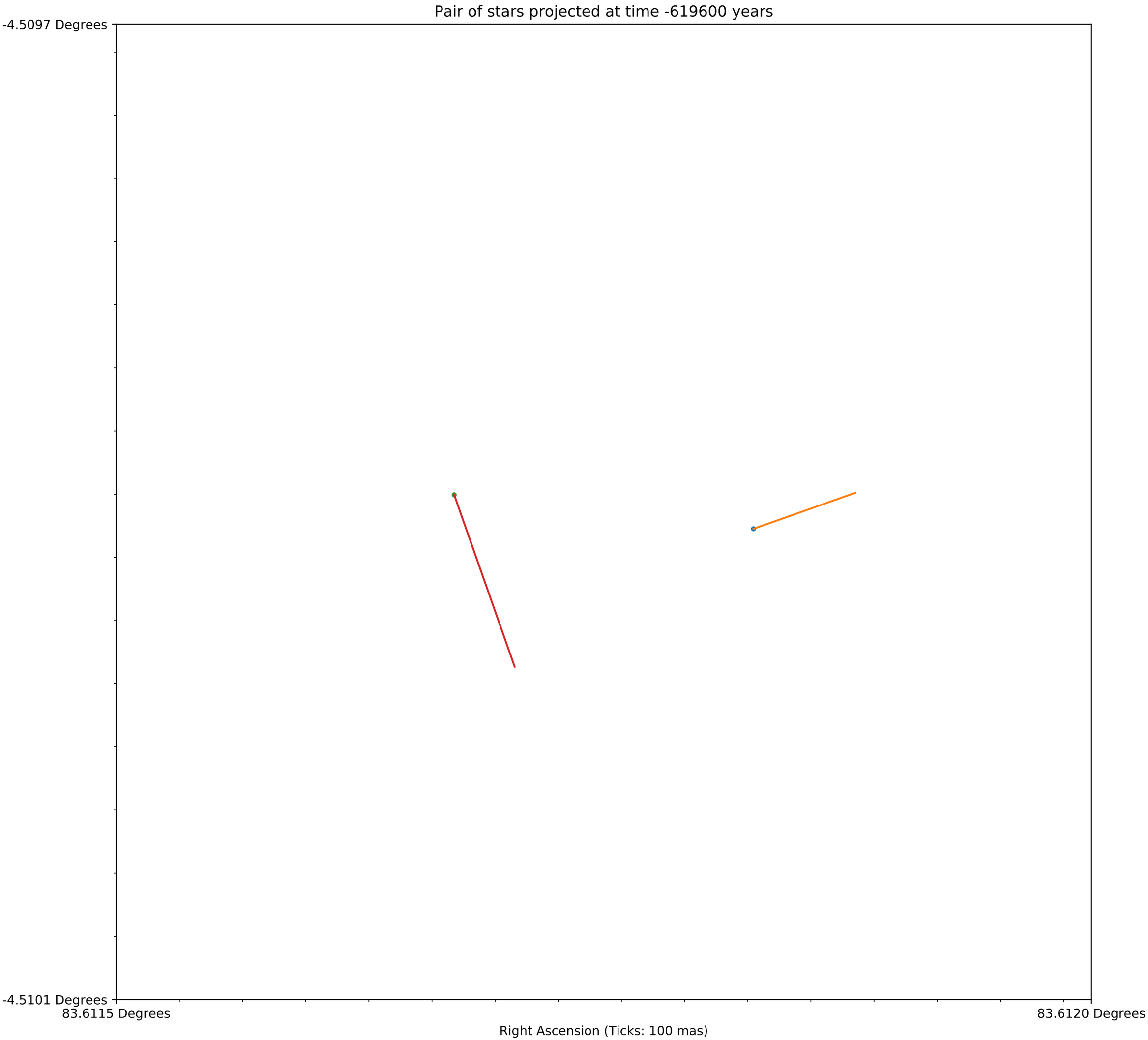

Pair of stars projected at time -611700 years
-3.1338 Degrees
Declination (Ticks: 100 mas)
-3.1349 Degrees
82.4305 Degrees
82.4316 Degrees
Right Ascension (Ticks: 100 mas)

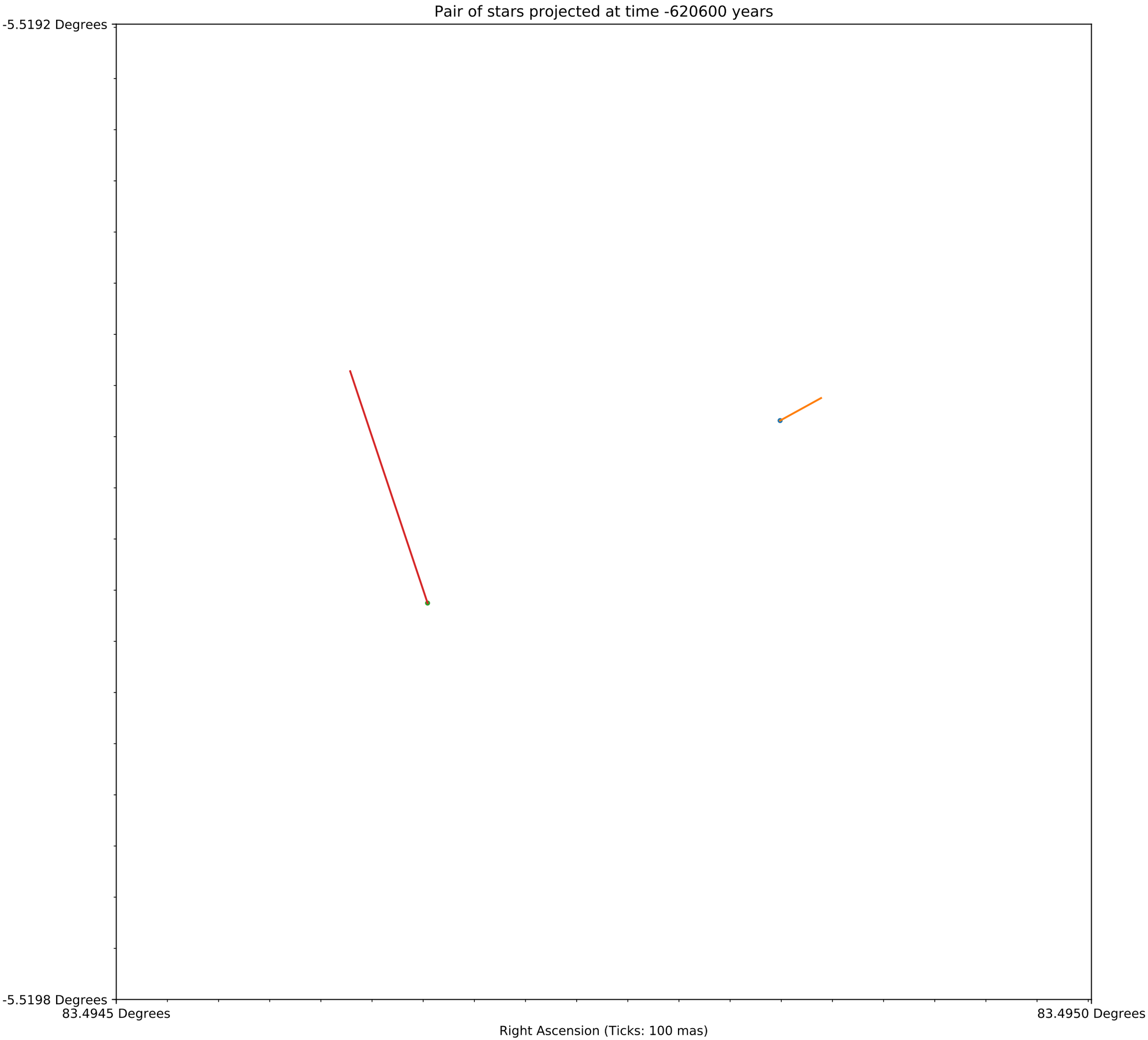

Pair of stars projected at time -611700 years
-4.7311 Degrees
Declination (Ticks: 100 mas)
-4.7315 Degrees
83.5502 Degrees
83.5506 Degrees
Right Ascension (Ticks: 100 mas)

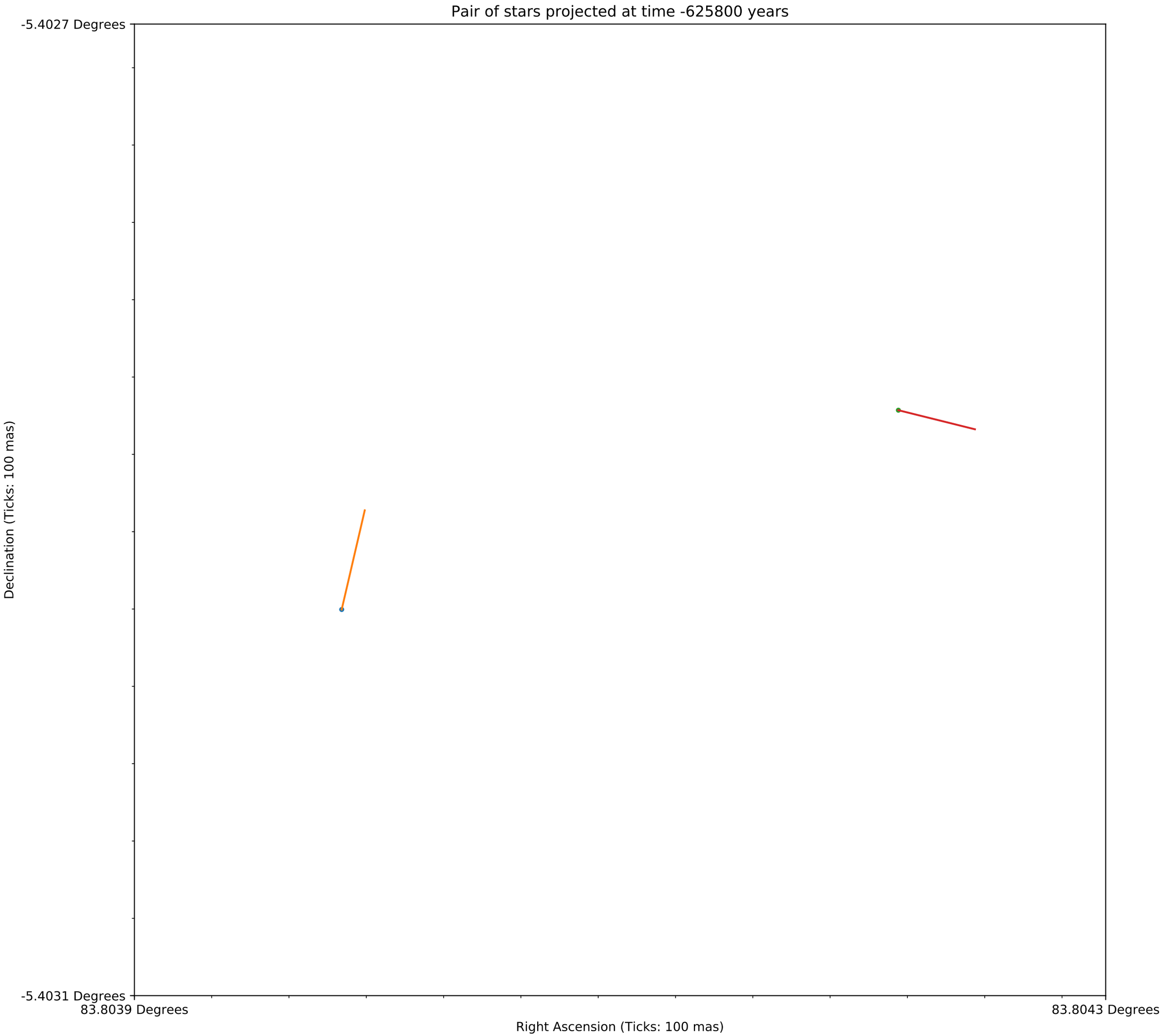

Pair of stars projected at time -617600 years
-6.0890 Degrees
Declination (Ticks: 100 mas)
-6.0895 Degrees
83.3994 Degrees
83.3999 Degrees
Right Ascension (Ticks: 100 mas)

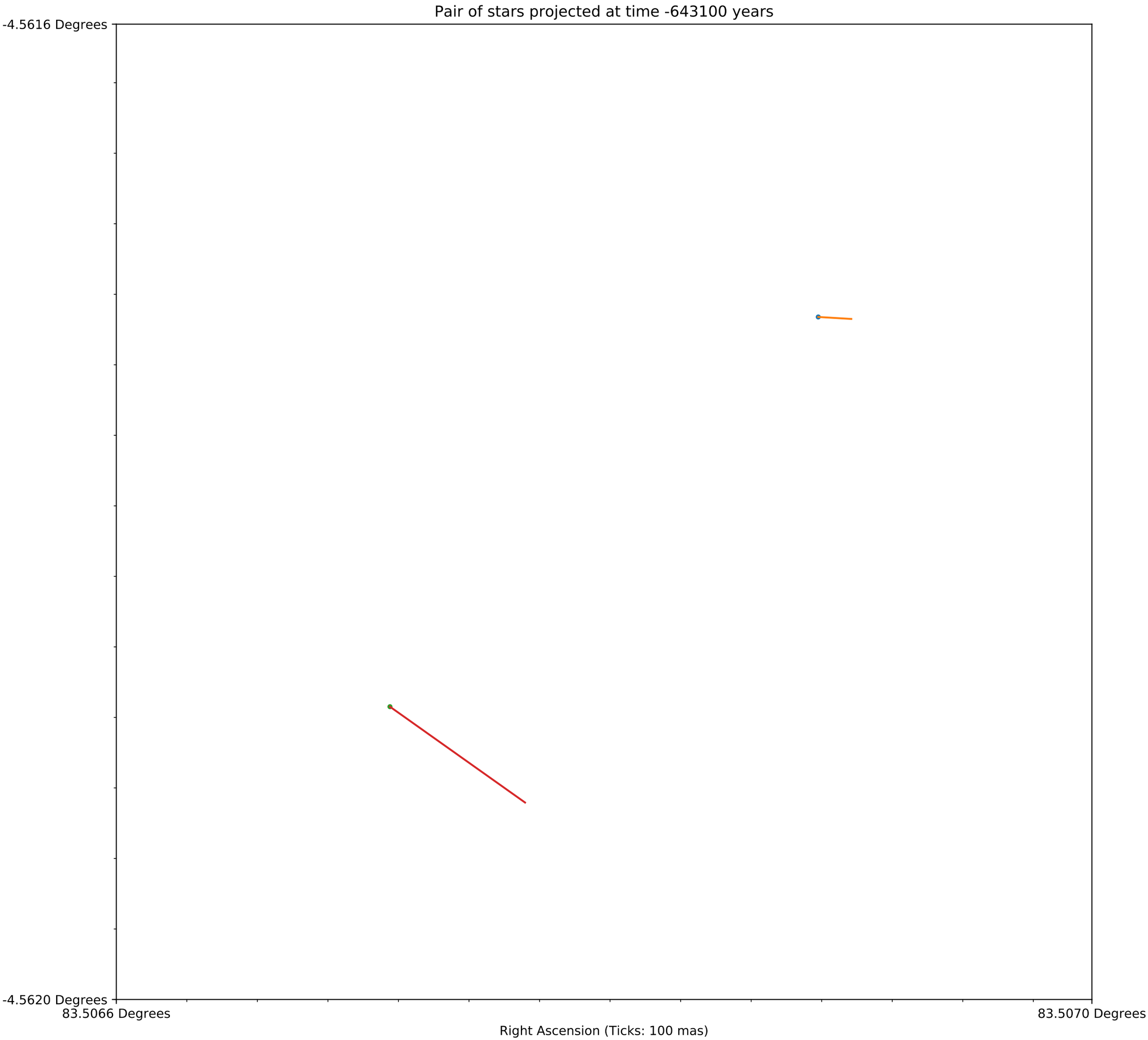

Pair of stars projected at time -618300 years
-5.8541 Degrees
Declination (Ticks: 100 mas)
-5.8545 Degrees
83.5141 Degrees
83.5145 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -619400 years
-4.2375 Degrees
Declination (Ticks: 100 mas)
-4.2383 Degrees
84.7976 Degrees
84.7983 Degrees
Right Ascension (Ticks: 100 mas)

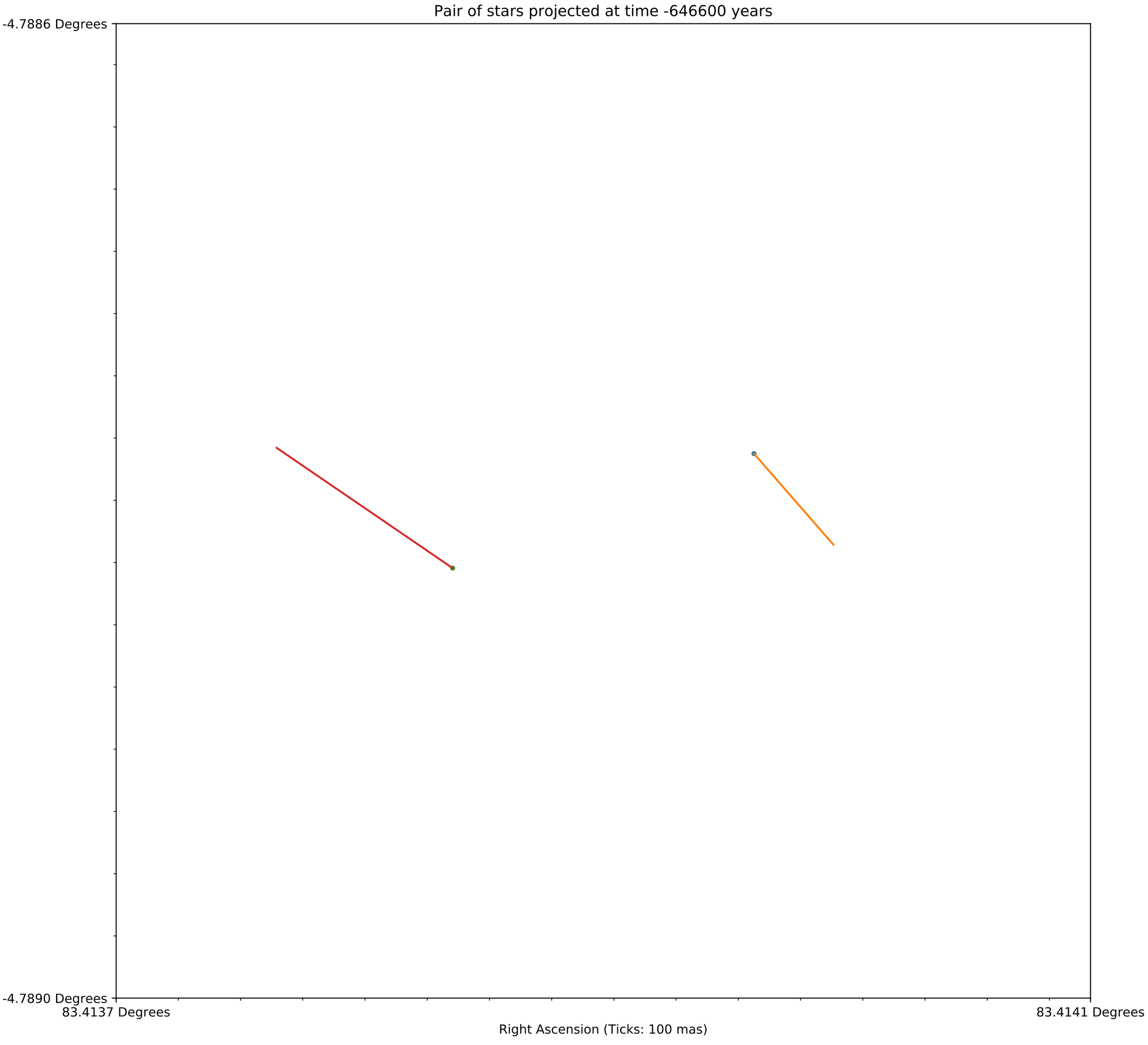

Pair of stars projected at time -619600 years
-4.5097 Degrees
Declination (Ticks: 100 mas)
-4.5101 Degrees
83.6115 Degrees
83.6120 Degrees
Right Ascension (Ticks: 100 mas)

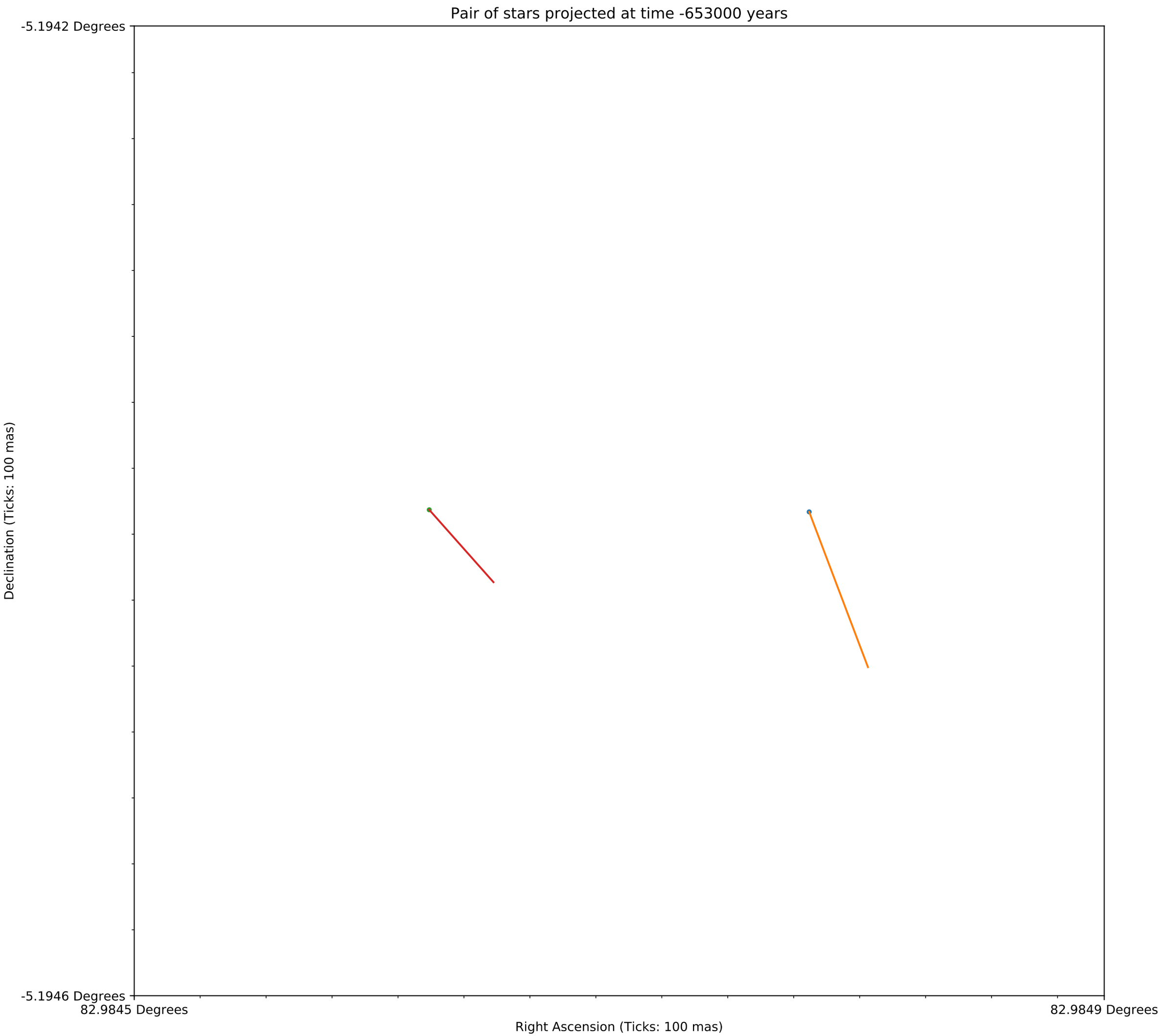

Pair of stars projected at time -620600 years
-5.5192 Degrees
-5.5198 Degrees
83.4945 Degrees
83.4950 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

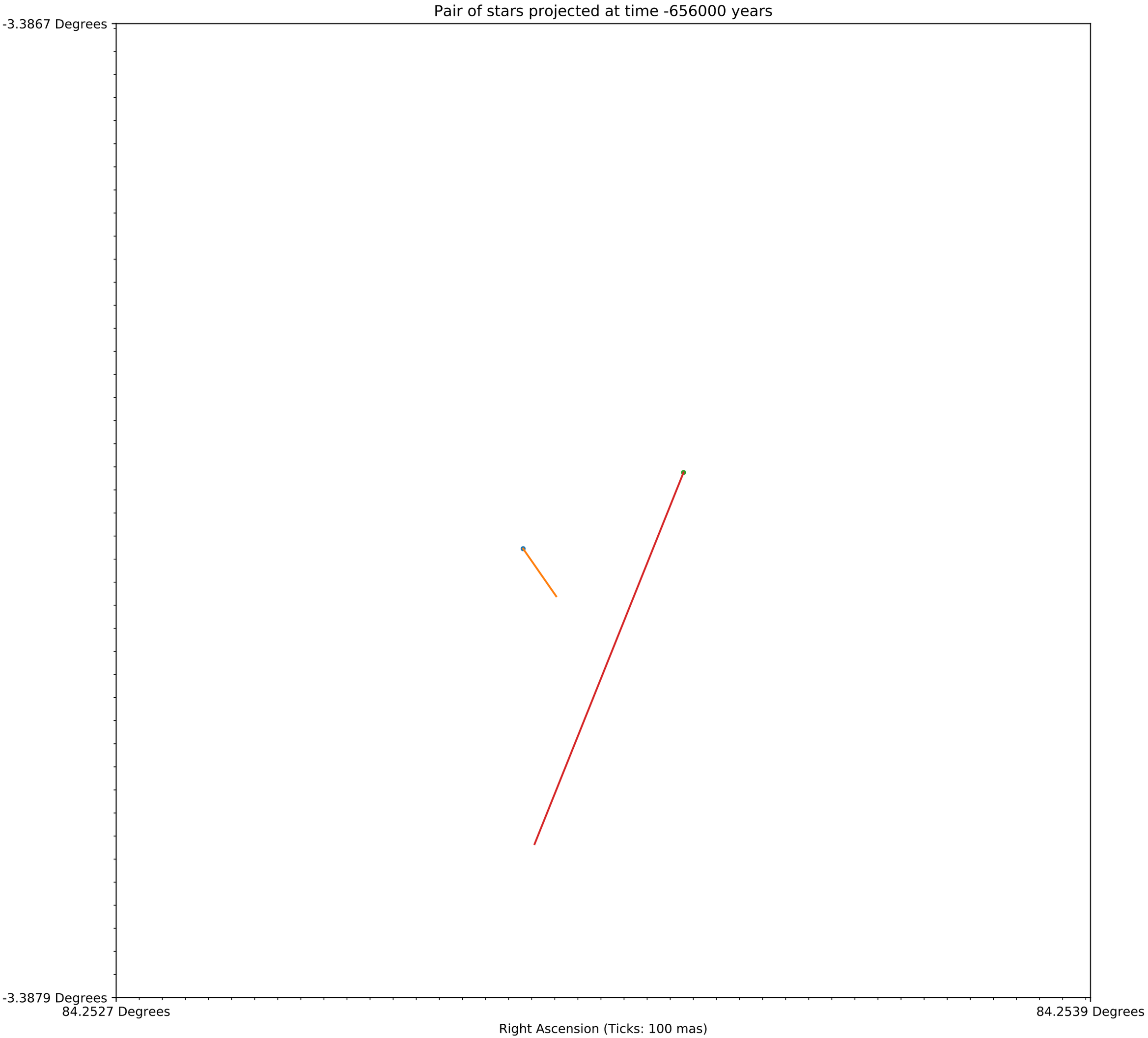

Pair of stars projected at time -625800 years
-5.4027 Degrees
-5.4031 Degrees
83.8039 Degrees
83.8043 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -643100 years
-4.5616 Degrees
-4.5620 Degrees
83.5066 Degrees
83.5070 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

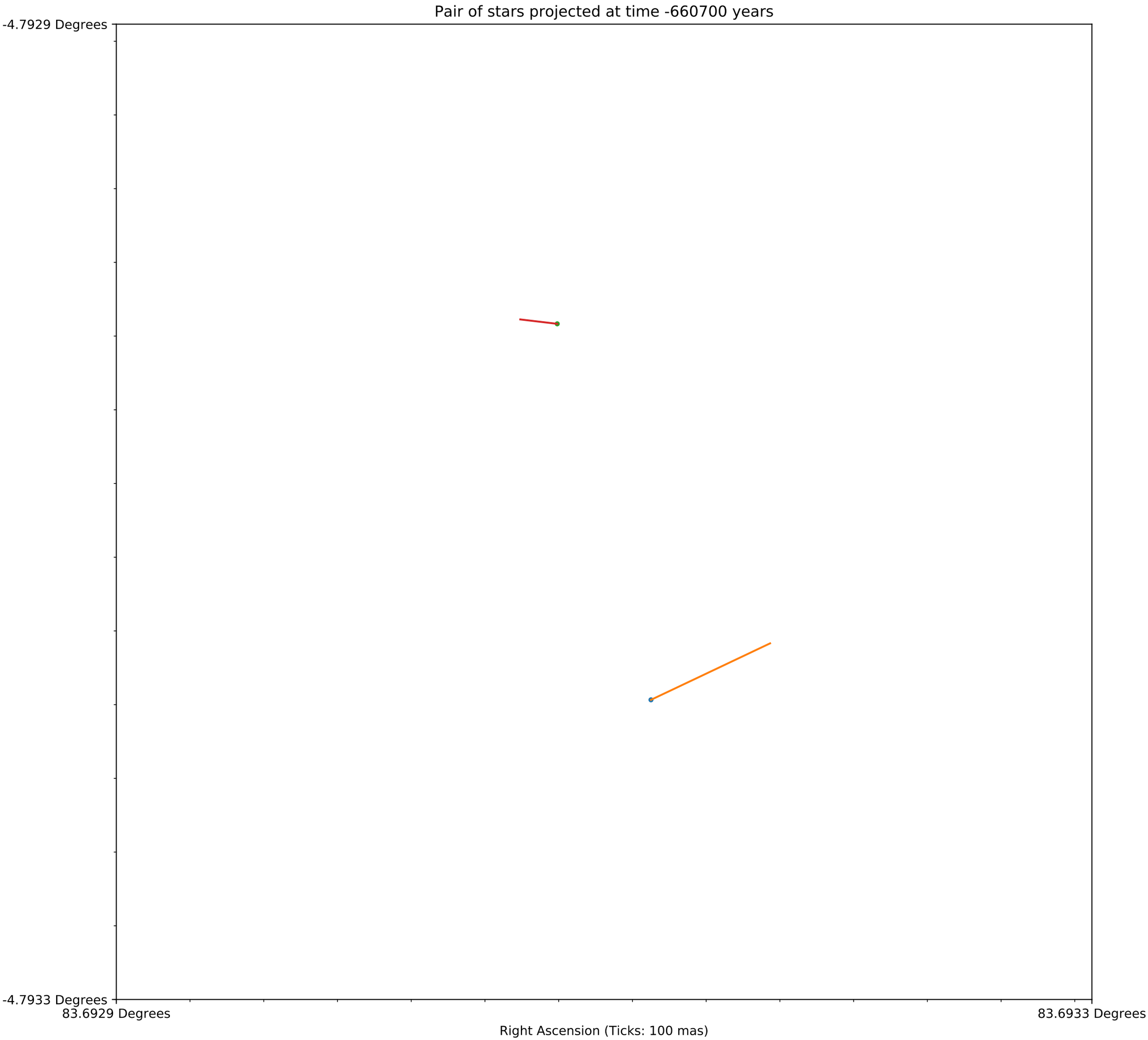
Pair of stars projected at time -646000 years
-4.9811 Degrees
Declination (Ticks: 100 mas)
-4.9819 Degrees
84.4446 Degrees
84.4455 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -646600 years
-4.7886 Degrees
-4.7890 Degrees
83.4137 Degrees
83.4141 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -653000 years
-5.1942 Degrees
-5.1946 Degrees
82.9845 Degrees
82.9849 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

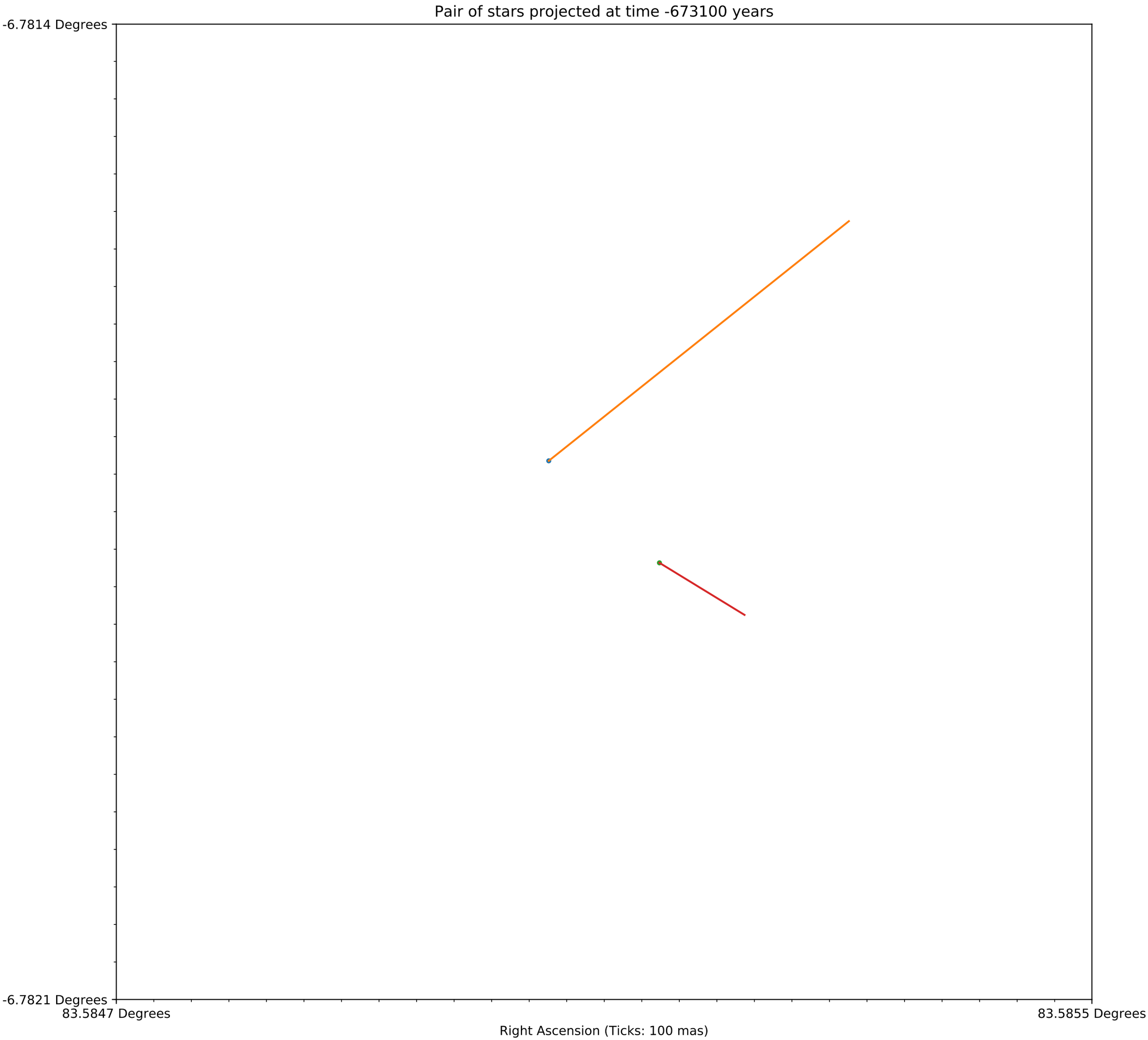

Pair of stars projected at time -656000 years
-3.3867 Degrees
Declination (Ticks: 100 mas)
-3.3879 Degrees
84.2527 Degrees
84.2539 Degrees
Right Ascension (Ticks: 100 mas)

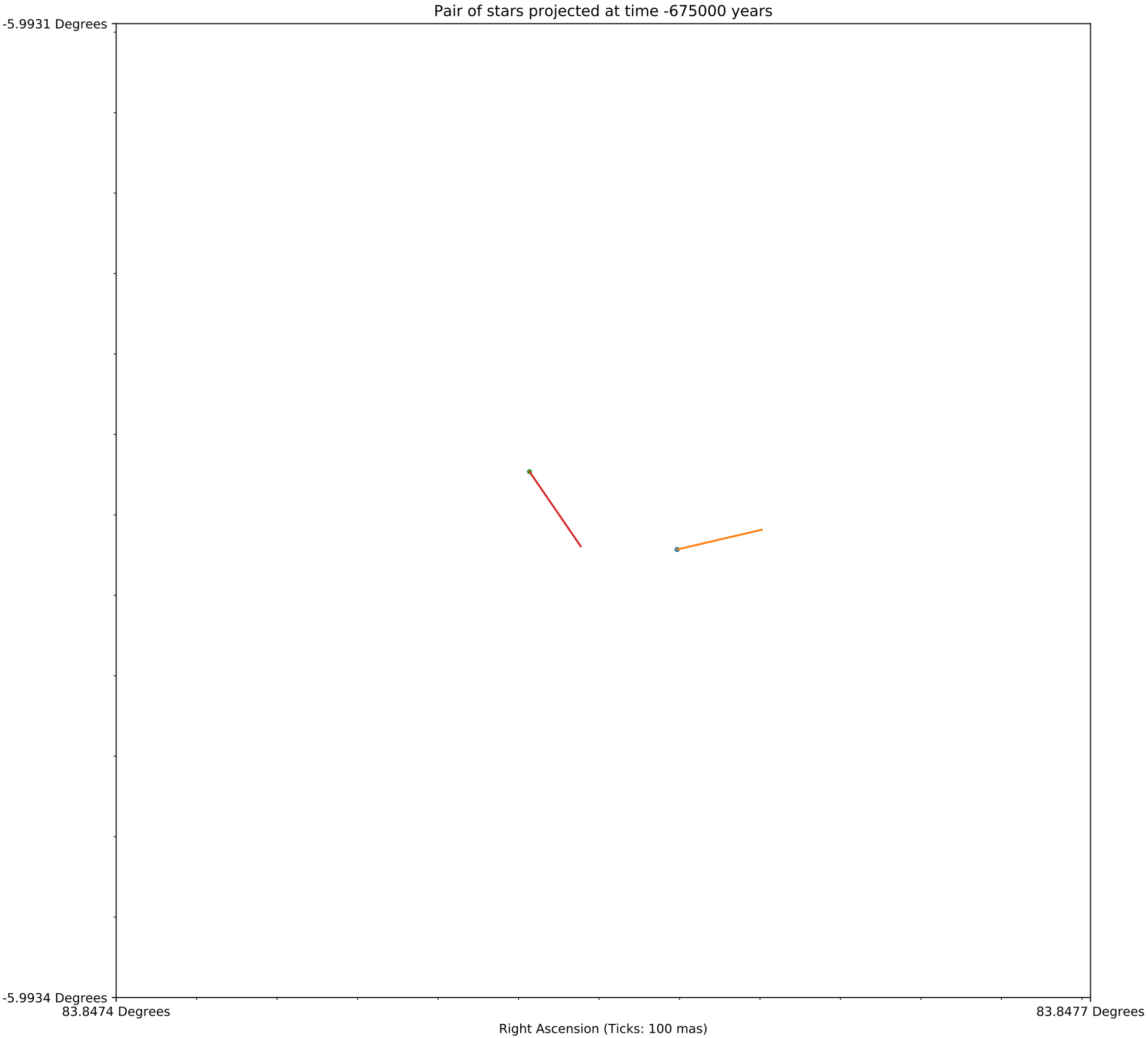
Pair of stars projected at time -657100 years
-5.7803 Degrees
-5.7808 Degrees
83.4556 Degrees
83.4561 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

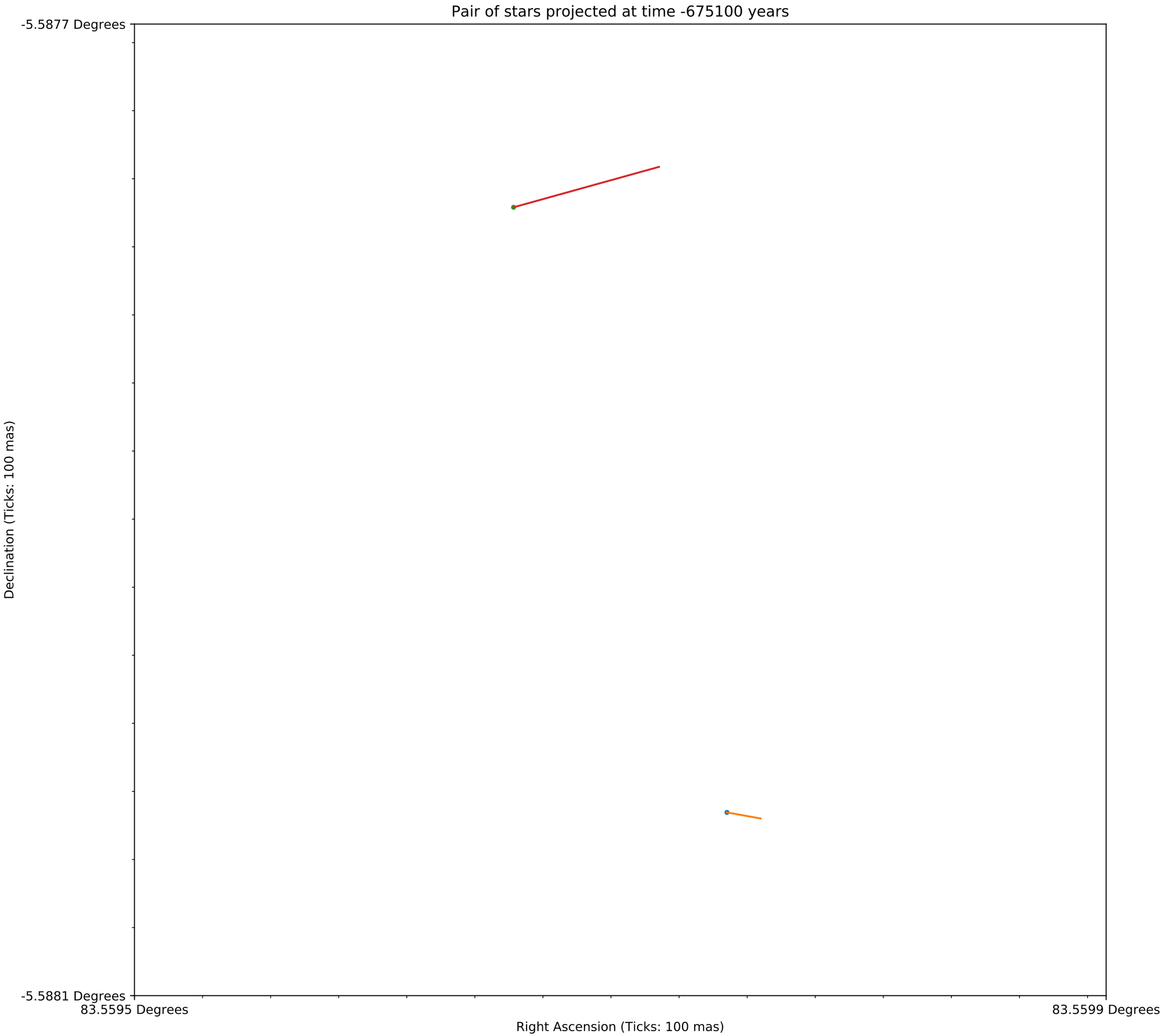

Pair of stars projected at time -660700 years
-4.7929 Degrees
-4.7933 Degrees
83.6929 Degrees
83.6933 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

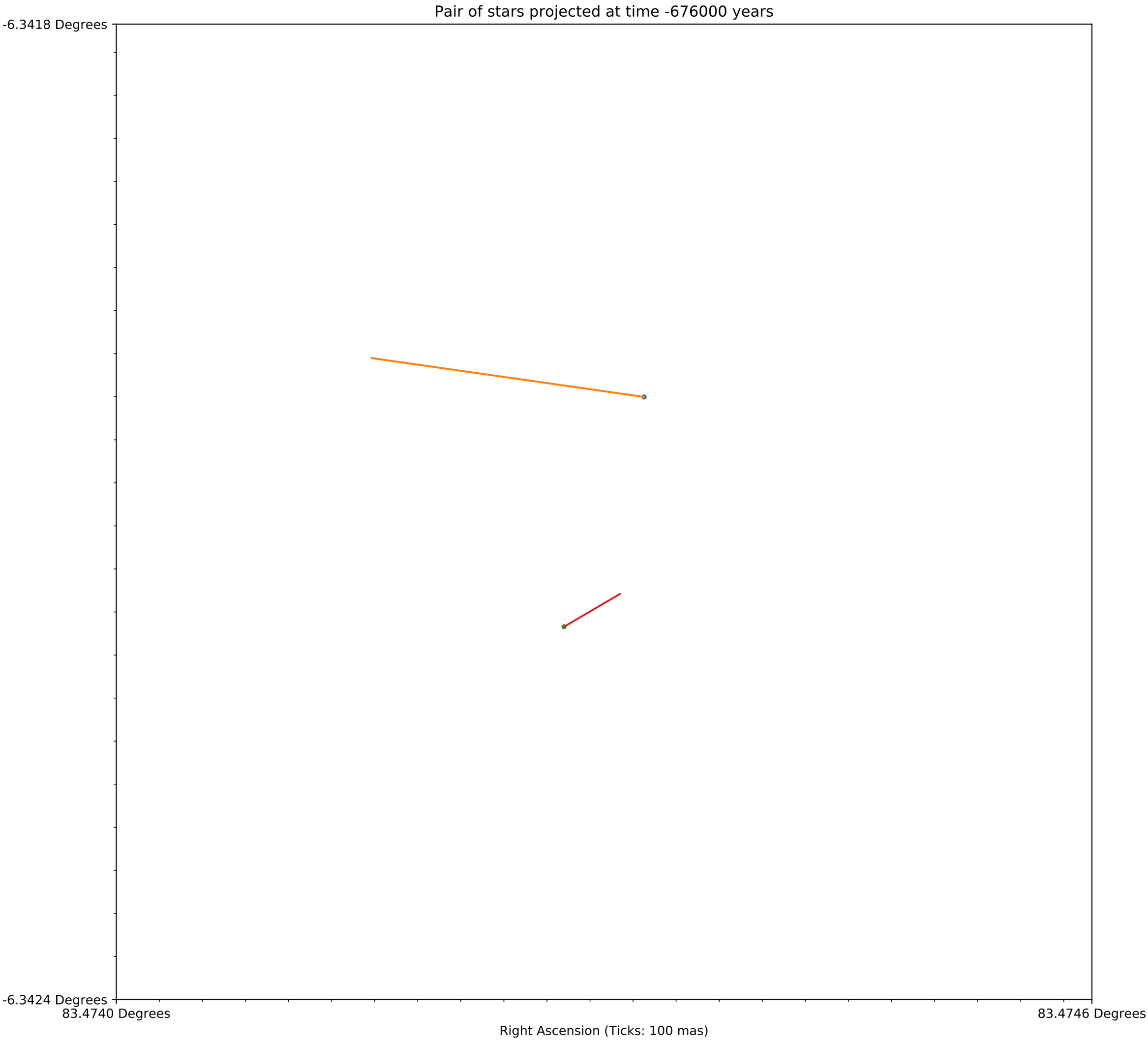
Pair of stars projected at time -664900 years
-5.9980 Degrees
-5.9984 Degrees
83.9364 Degrees
83.9368 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -670600 years
-5.3595 Degrees
-5.3599 Degrees
83.4653 Degrees
83.4656 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -673100 years
-6.7814 Degrees
-6.7821 Degrees
83.5847 Degrees
83.5855 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

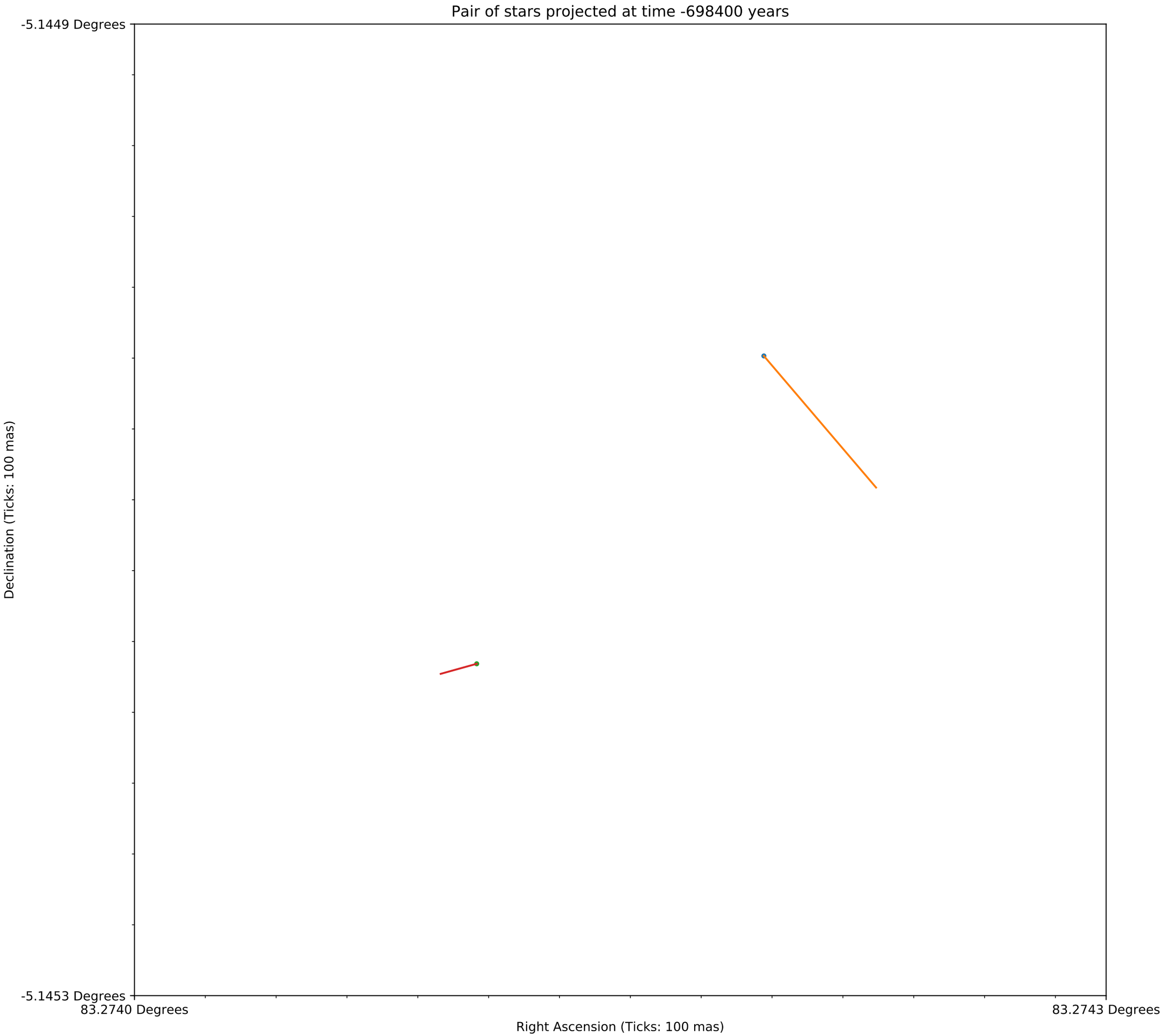

Pair of stars projected at time -675000 years
-5.9931 Degrees
Declination (Ticks: 100 mas)
-5.9934 Degrees
83.8474 Degrees
83.8477 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -675100 years
-5.5877 Degrees
-5.5881 Degrees
83.5595 Degrees
83.5599 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

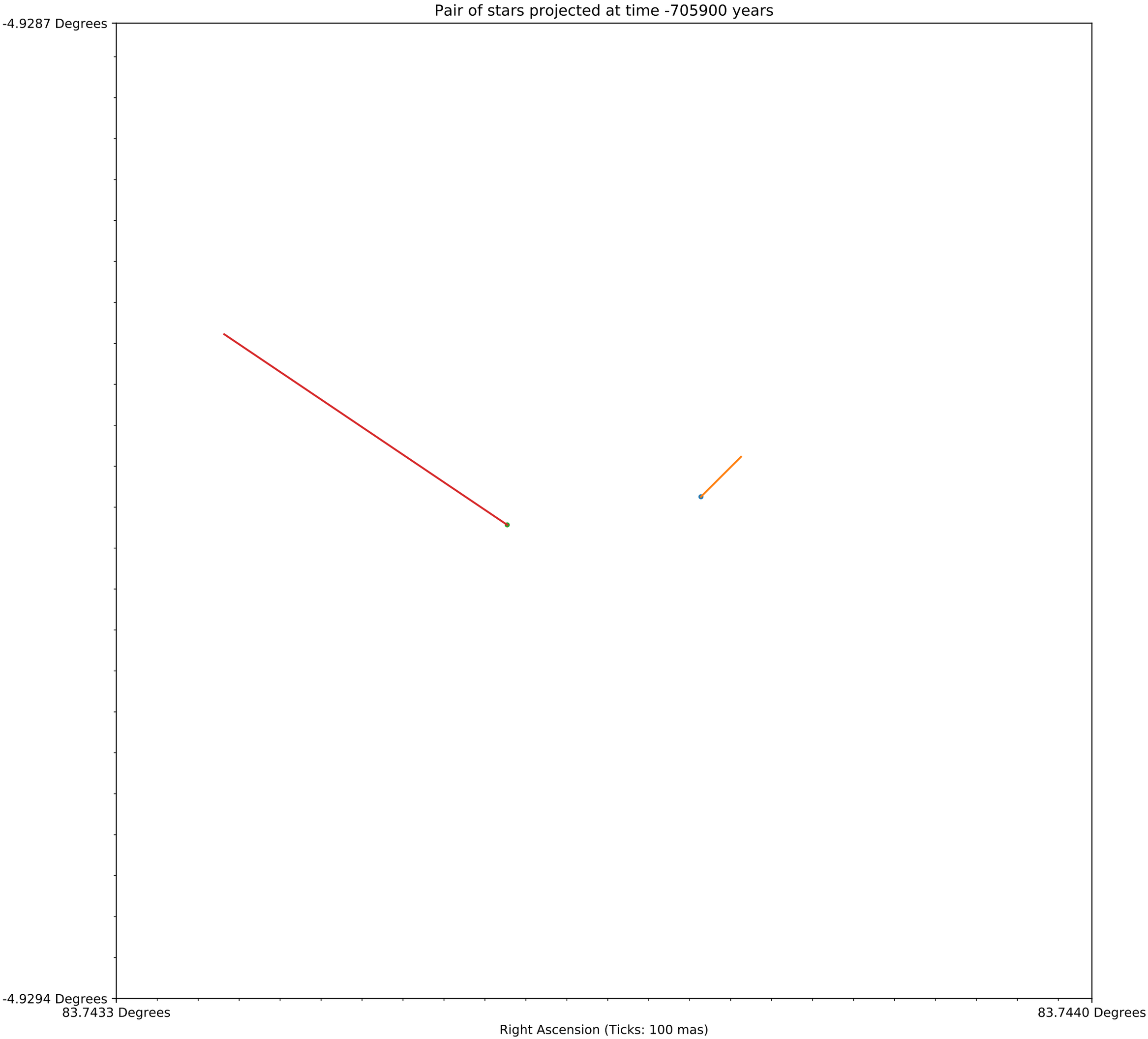

Pair of stars projected at time -676000 years
-6.3418 Degrees
Declination (Ticks: 100 mas)
-6.3424 Degrees
83.4740 Degrees
83.4746 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -681200 years
-2.4946 Degrees
Declination (Ticks: 100 mas)
-2.4960 Degrees
83.1153 Degrees
83.1166 Degrees
Right Ascension (Ticks: 100 mas)

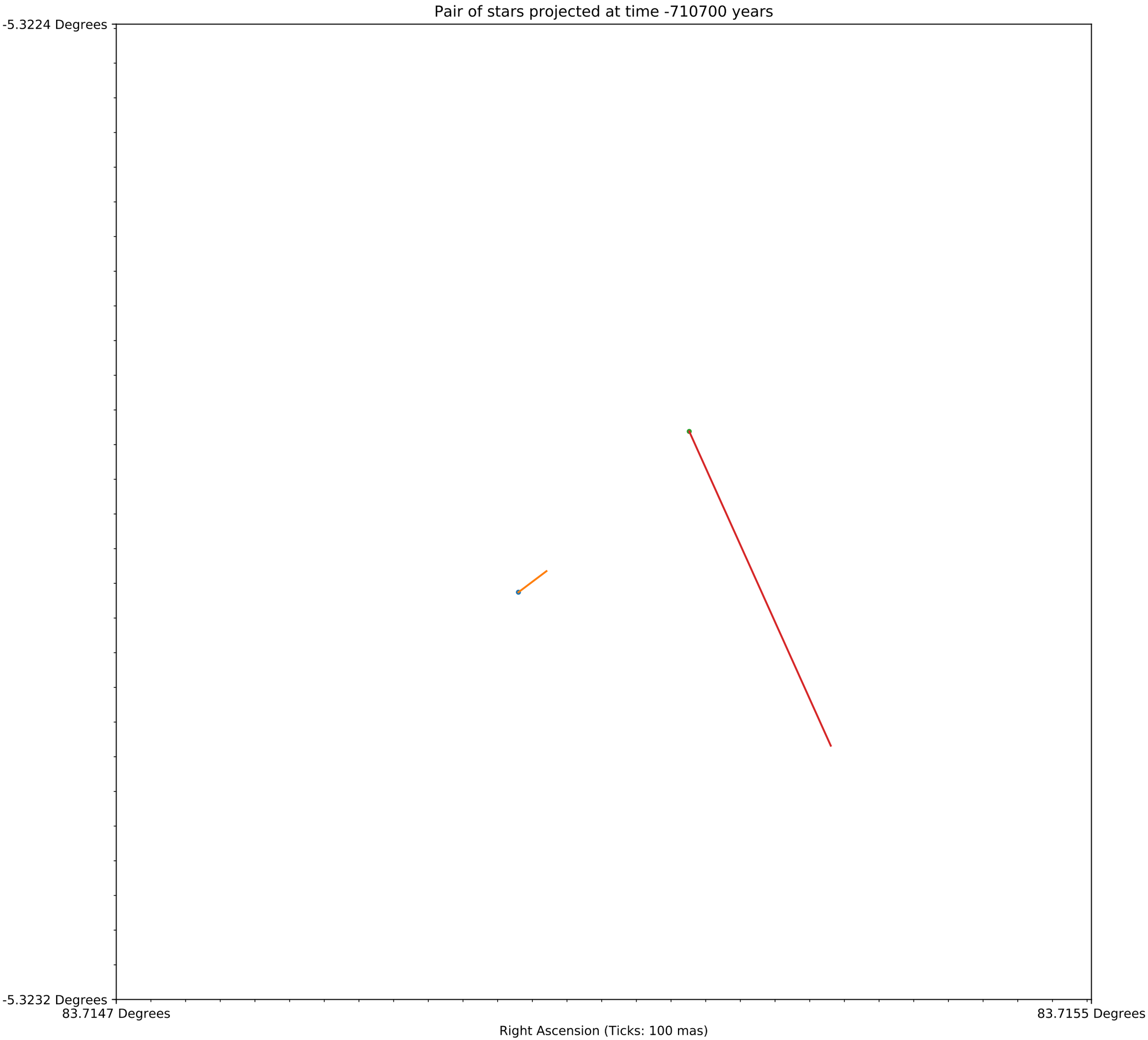
Pair of stars projected at time -683000 years
-3.5407 Degrees
Declination (Ticks: 100 mas)
-3.5413 Degrees
83.7625 Degrees
83.7631 Degrees
Right Ascension (Ticks: 100 mas)

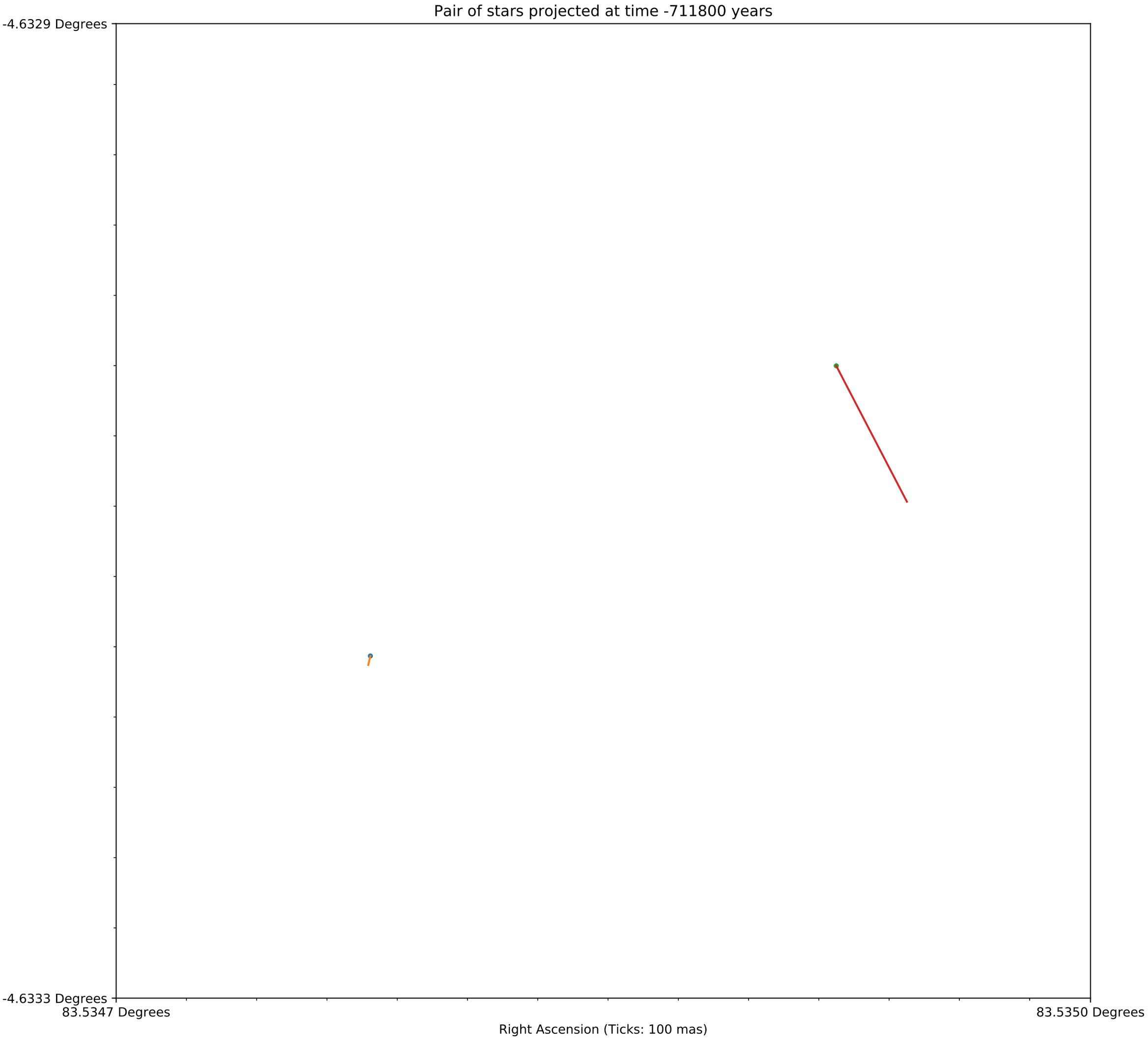

Pair of stars projected at time -698400 years
-5.1449 Degrees
-5.1453 Degrees
83.2740 Degrees
83.2743 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -705900 years
-4.4677 Degrees
-4.4681 Degrees
83.6539 Degrees
83.6543 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

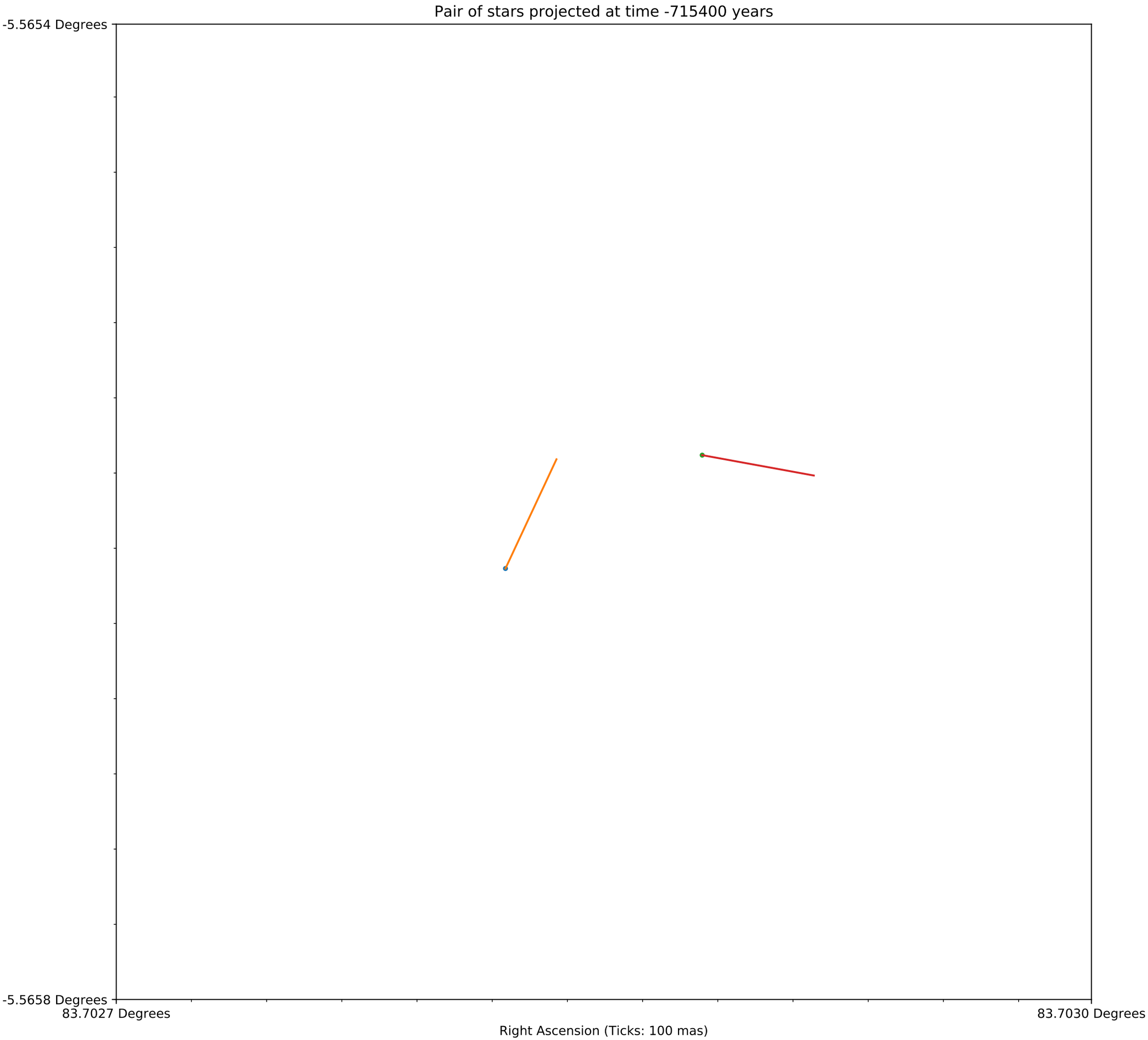

Pair of stars projected at time -705900 years
-4.9287 Degrees
-4.9294 Degrees
83.7433 Degrees
83.7440 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

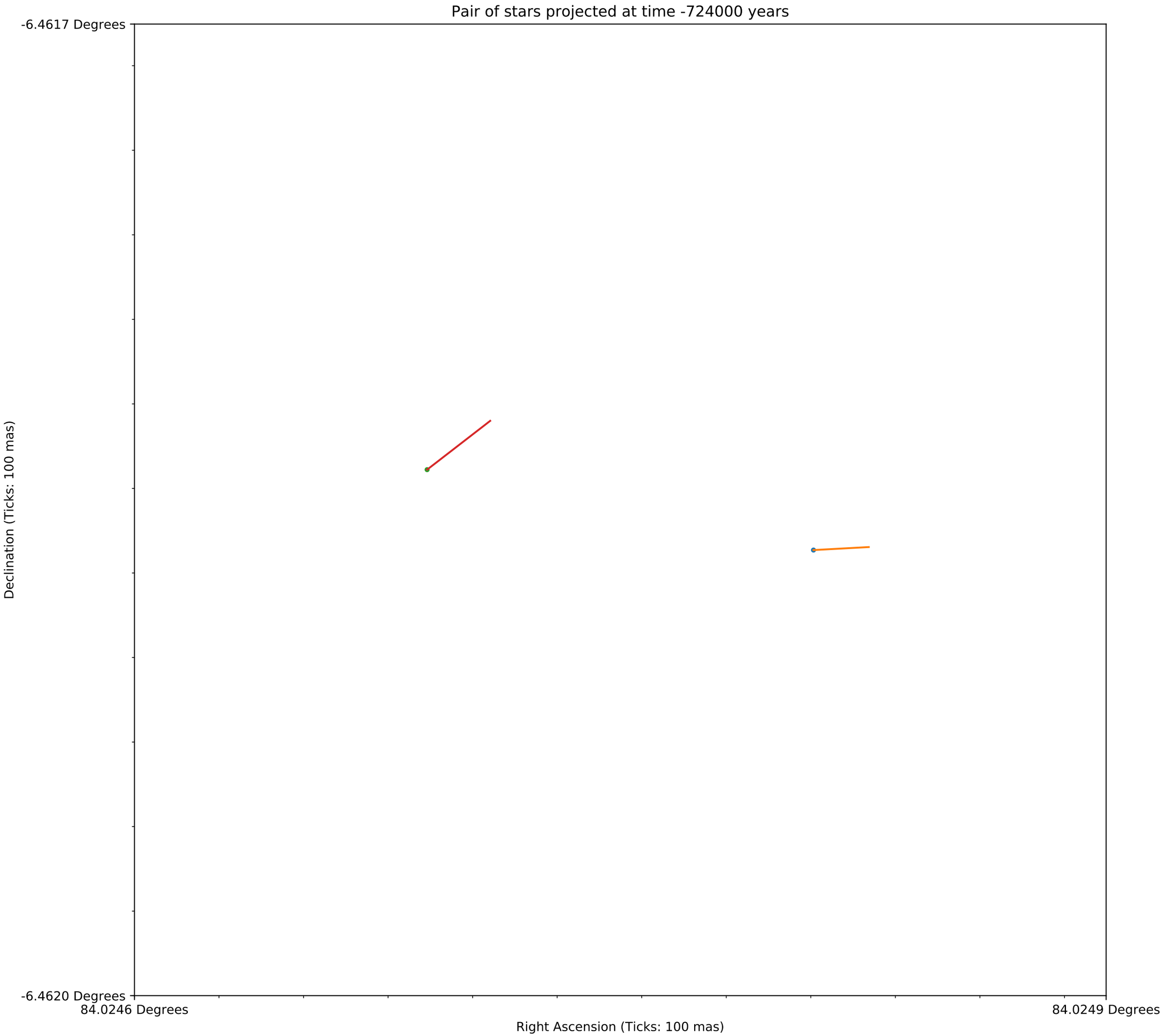
Pair of stars projected at time -706000 years
-5.3299 Degrees
-5.3303 Degrees
83.3876 Degrees
83.3880 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

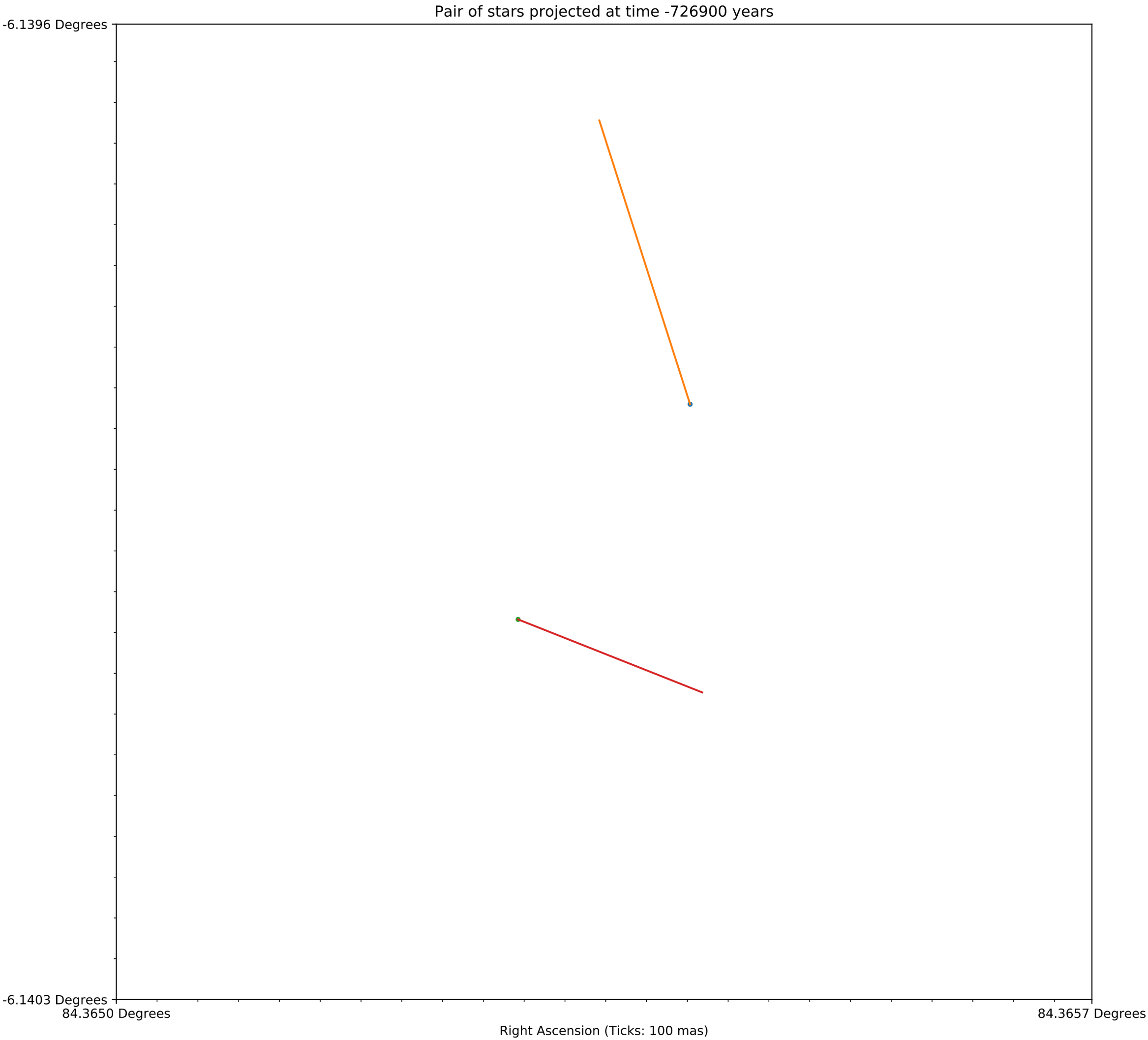

Pair of stars projected at time -710700 years
-5.3224 Degrees
Declination (Ticks: 100 mas)
-5.3232 Degrees
83.7147 Degrees
83.7155 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -711800 years
-4.6329 Degrees
-4.6333 Degrees
83.5347 Degrees
83.5350 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

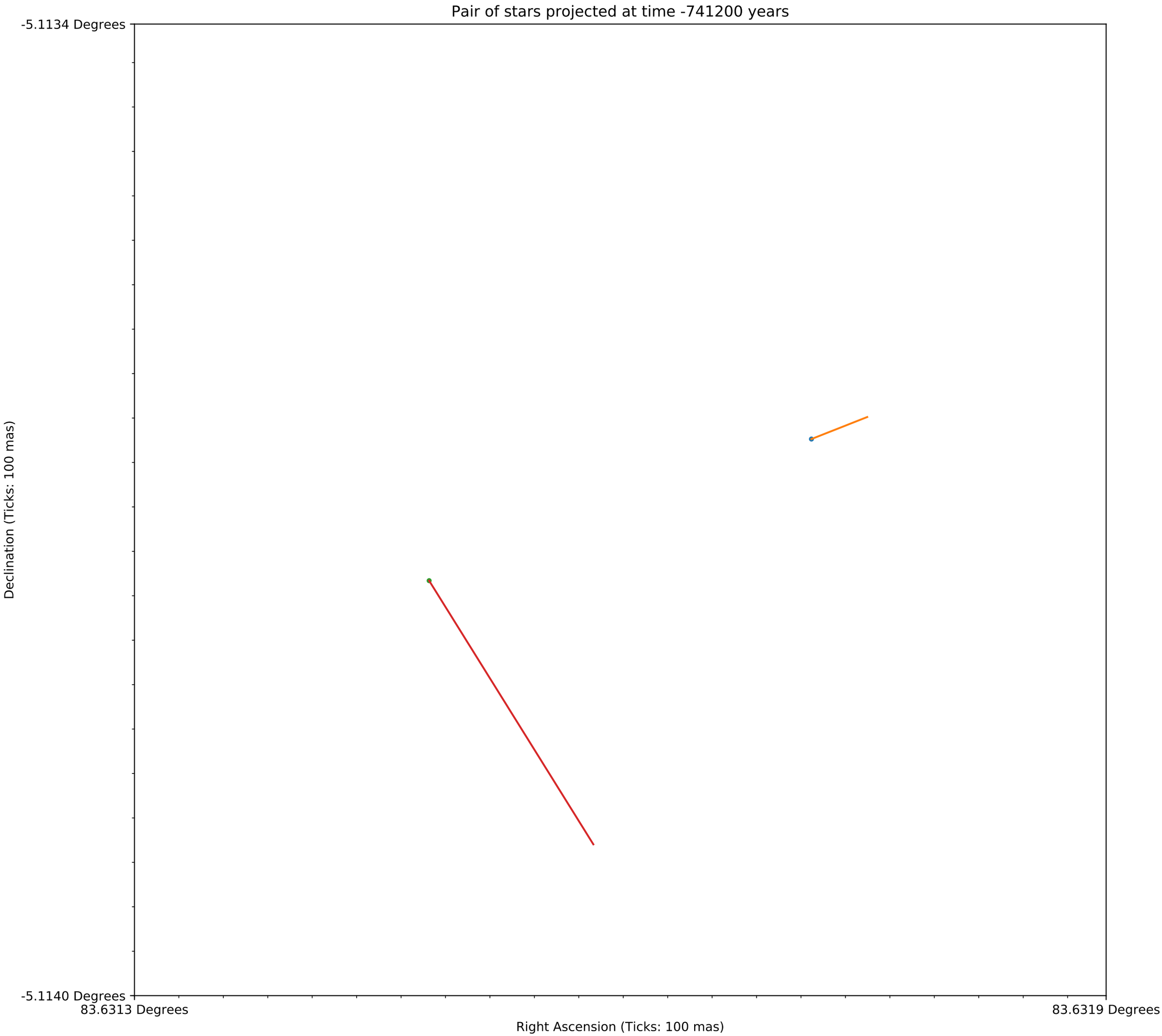
Pair of stars projected at time -715000 years
-5.1320 Degrees
-5.1323 Degrees
83.4489 Degrees
83.4493 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -715400 years
-5.5654 Degrees
Declination (Ticks: 100 mas)
-5.5658 Degrees
83.7027 Degrees
83.7030 Degrees
Right Ascension (Ticks: 100 mas)

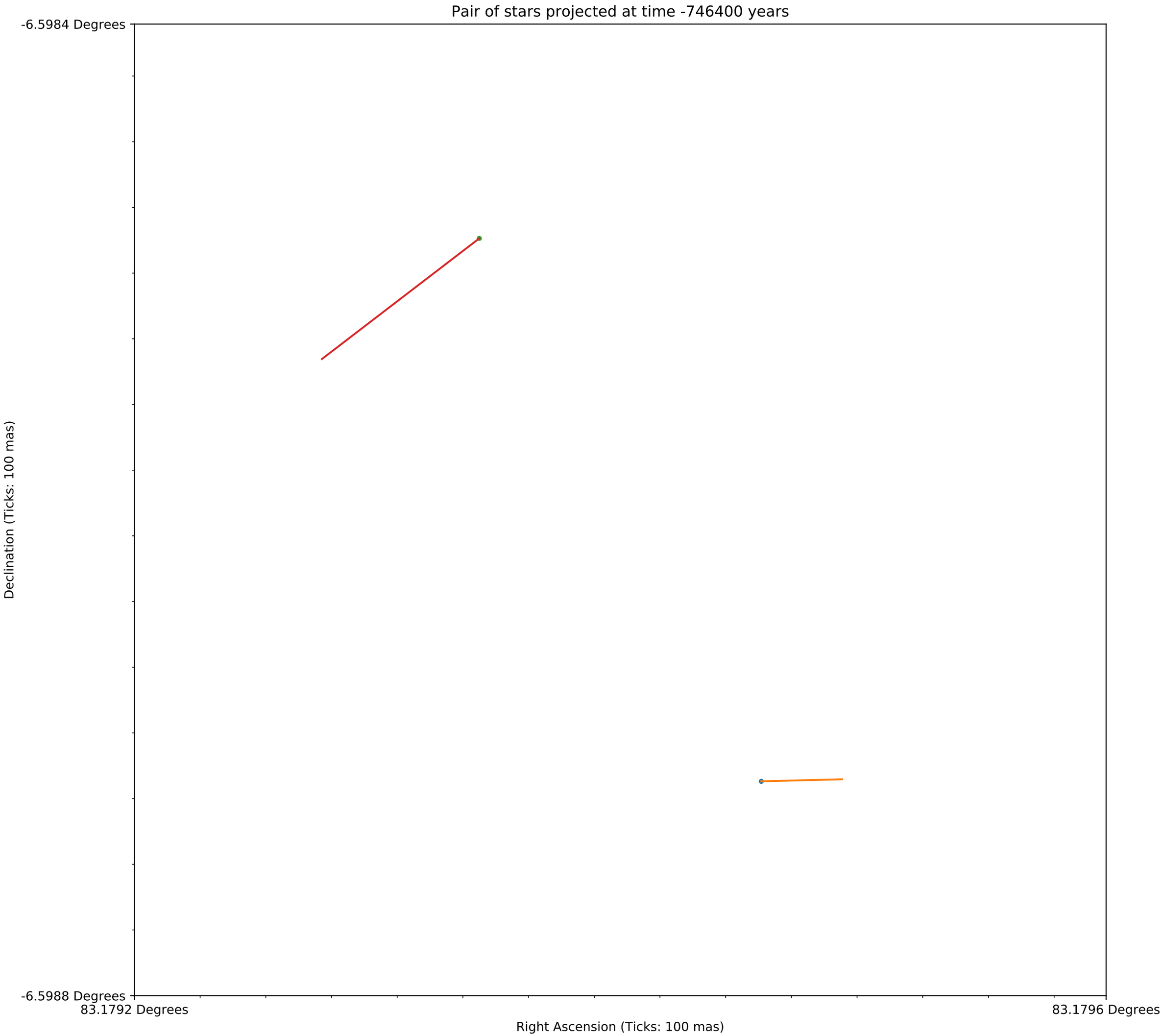

Pair of stars projected at time -724000 years
-6.4617 Degrees
-6.4620 Degrees
84.0246 Degrees
84.0249 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

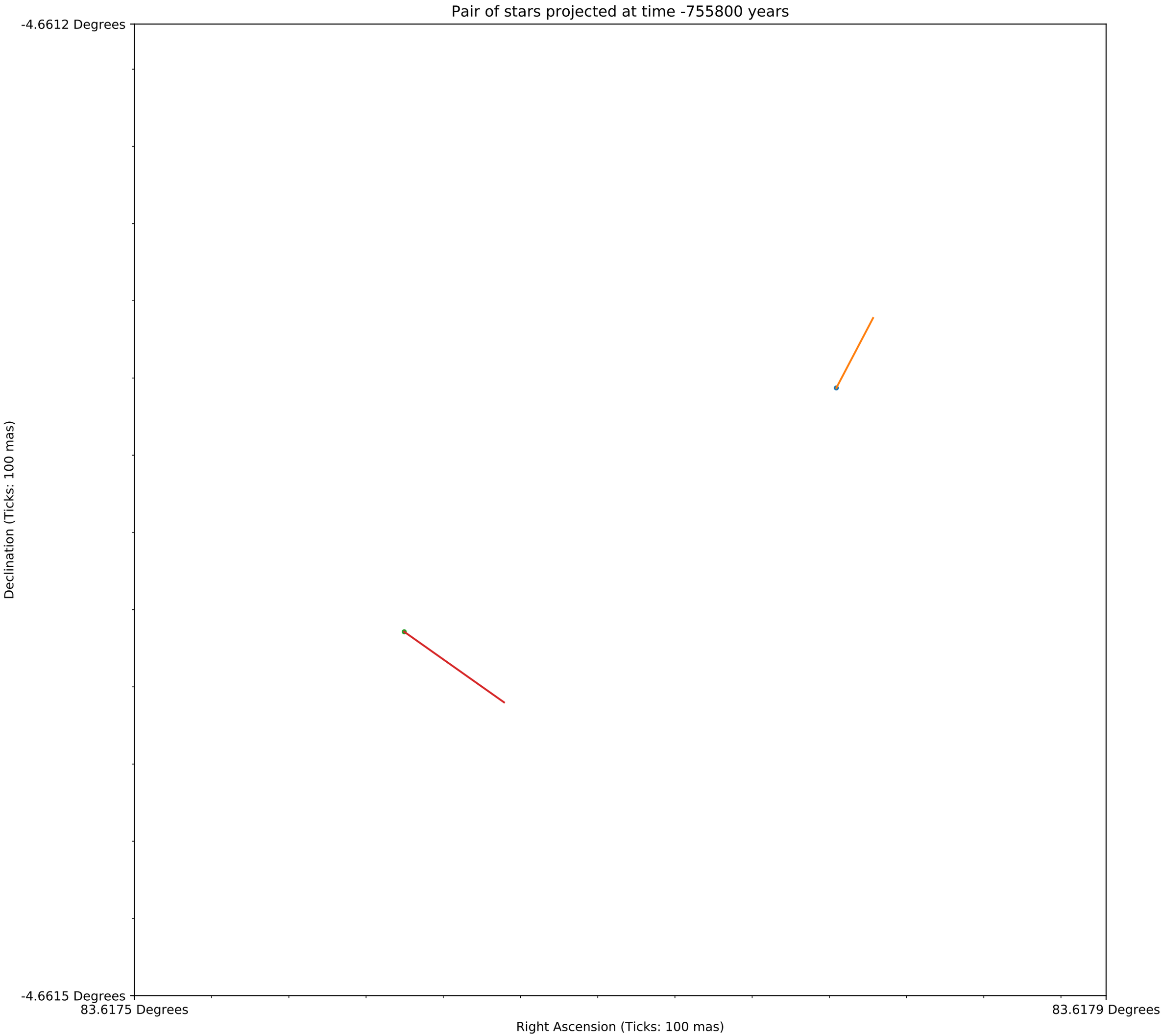

Pair of stars projected at time -726900 years
-6.1396 Degrees
Declination (Ticks: 100 mas)
-6.1403 Degrees
84.3650 Degrees
84.3657 Degrees
Right Ascension (Ticks: 100 mas)

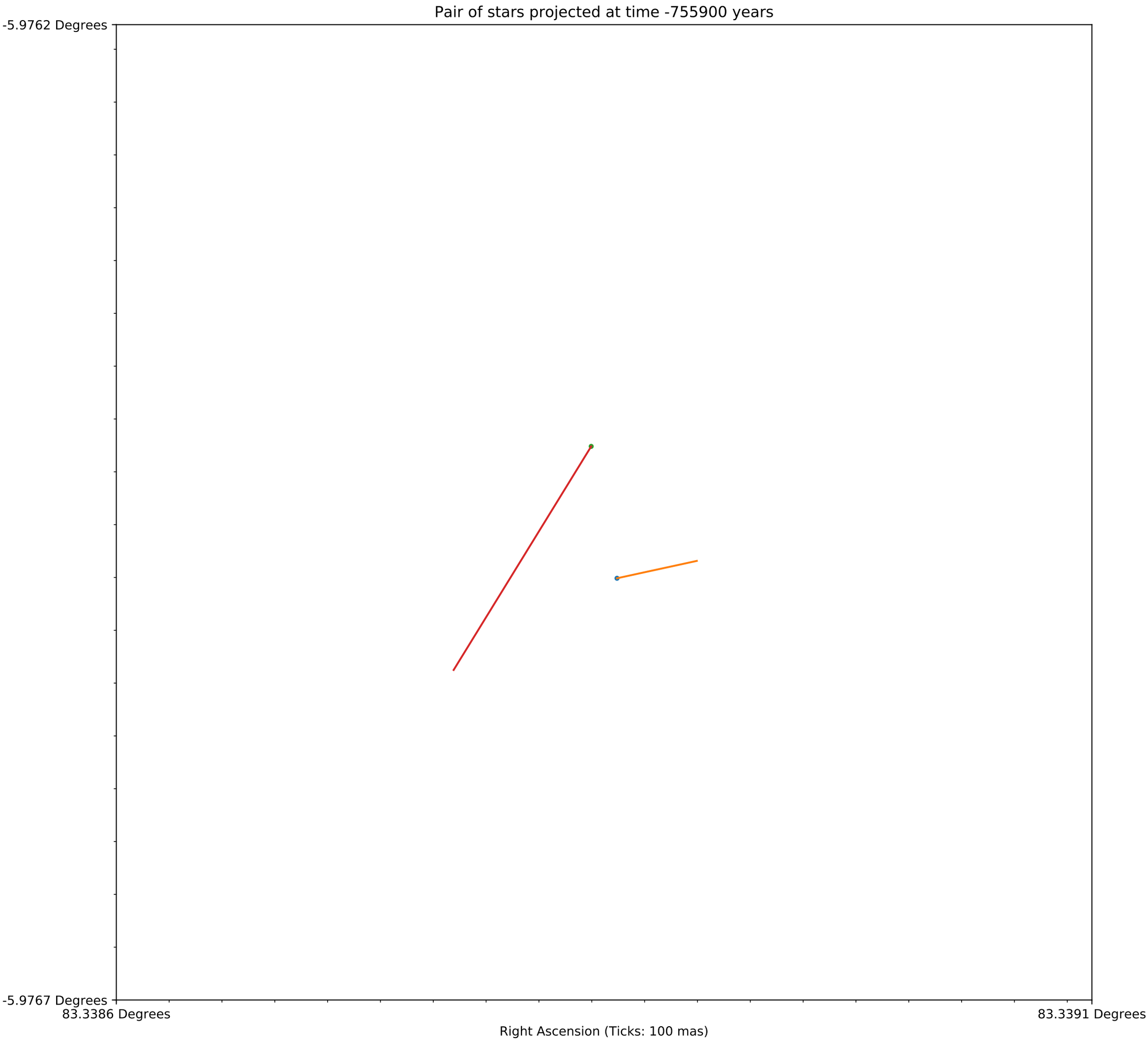
Pair of stars projected at time -737800 years
-4.6427 Degrees
-4.6430 Degrees
83.6192 Degrees
83.6196 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

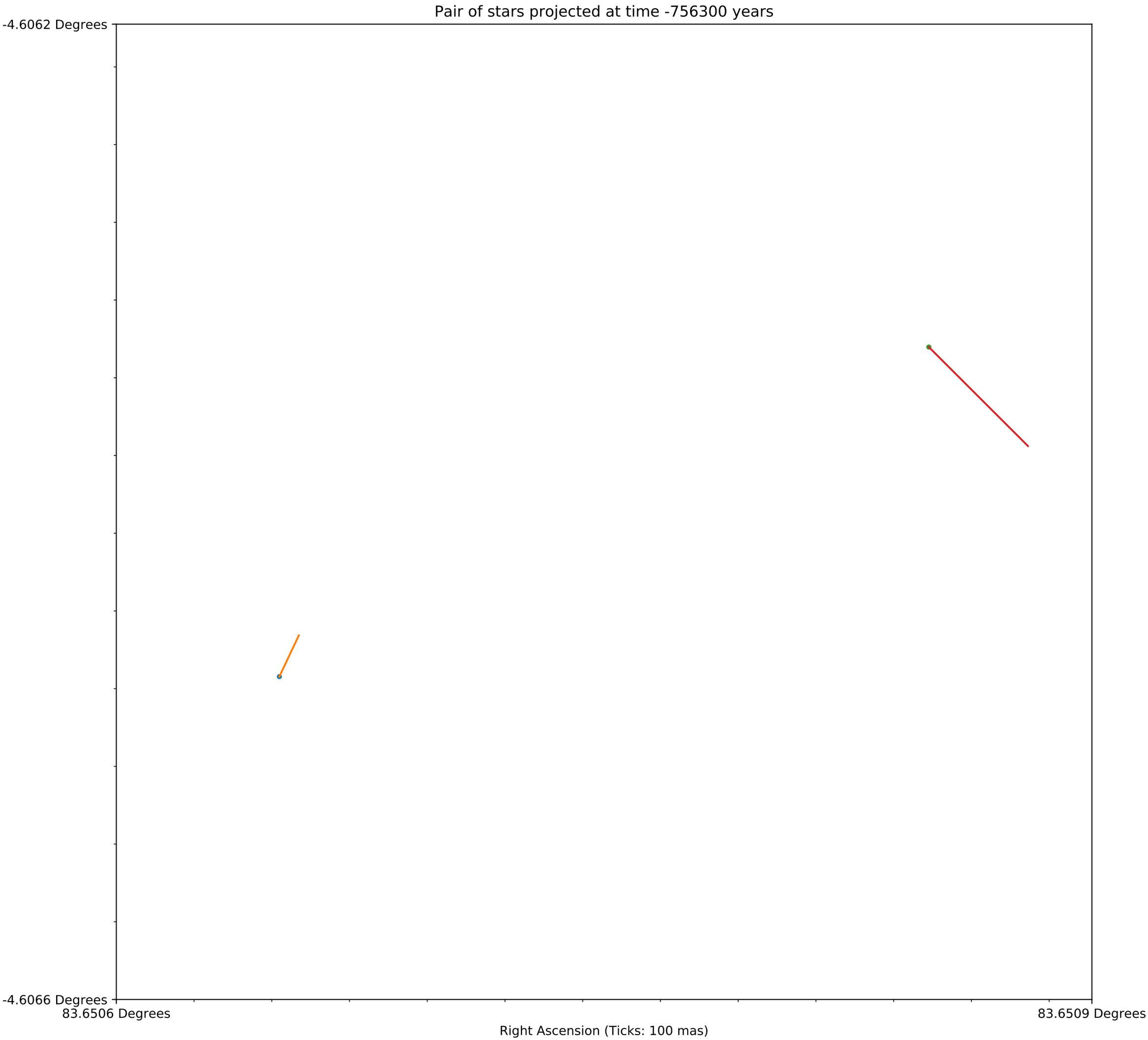

Pair of stars projected at time -741200 years
-5.1134 Degrees
Declination (Ticks: 100 mas)
-5.1140 Degrees
83.6313 Degrees
83.6319 Degrees
Right Ascension (Ticks: 100 mas)

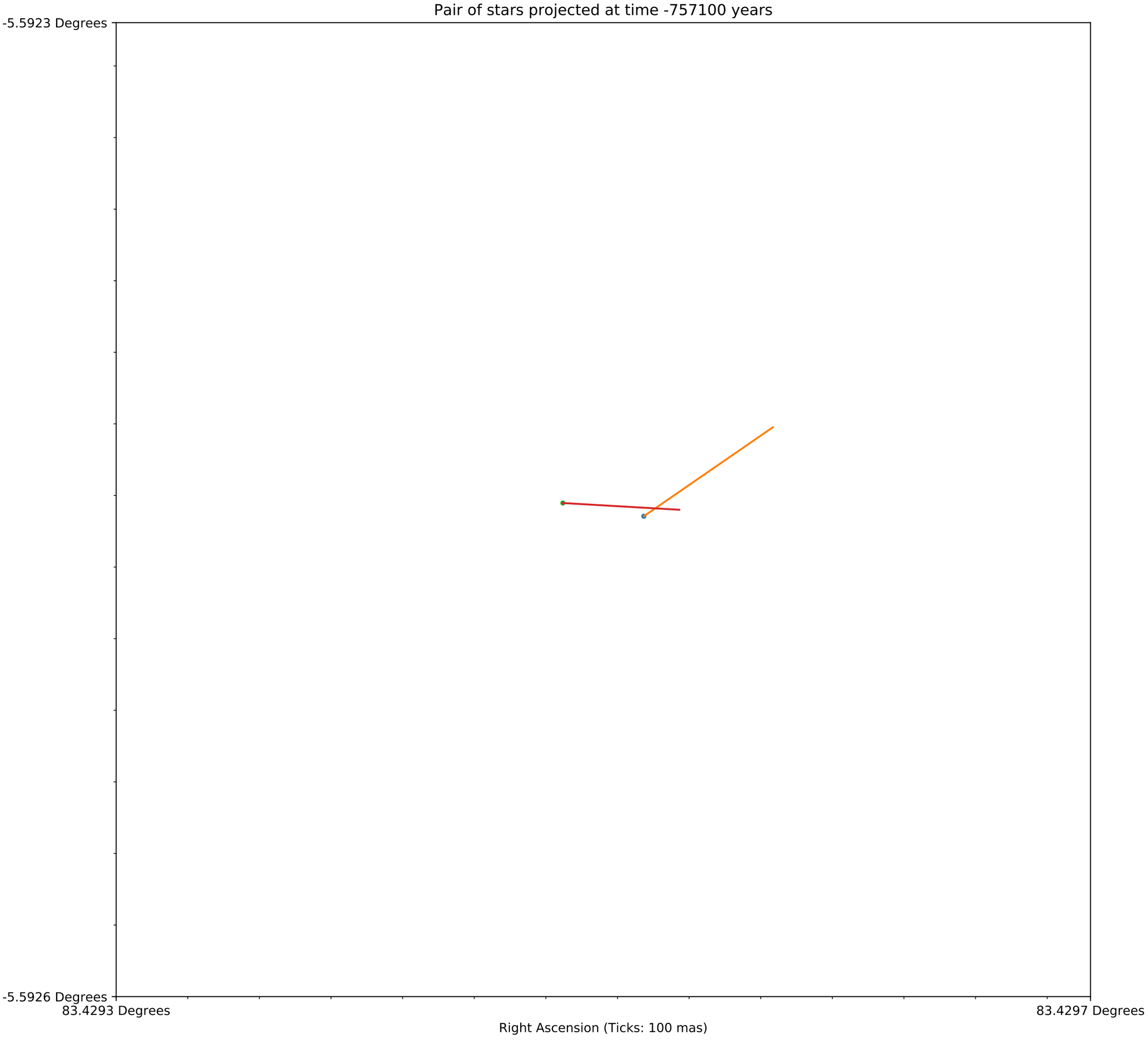
Pair of stars projected at time -746000 years
-5.5551 Degrees
Declination (Ticks: 100 mas)
-5.5555 Degrees
83.4023 Degrees
83.4027 Degrees
Right Ascension (Ticks: 100 mas)

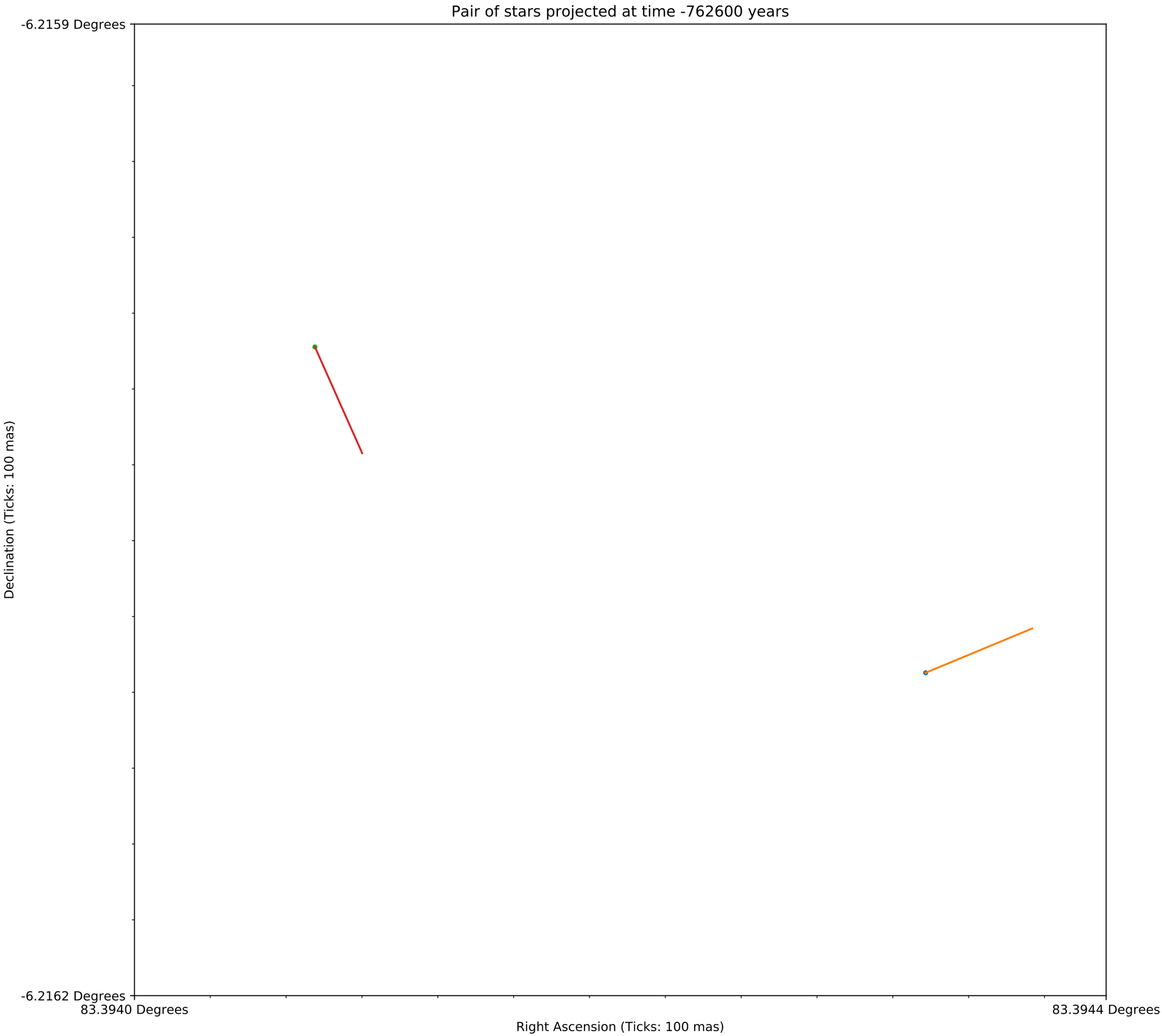

Pair of stars projected at time -746400 years
-6.5984 Degrees
Declination (Ticks: 100 mas)
-6.5988 Degrees
83.1792 Degrees
83.1796 Degrees
Right Ascension (Ticks: 100 mas)

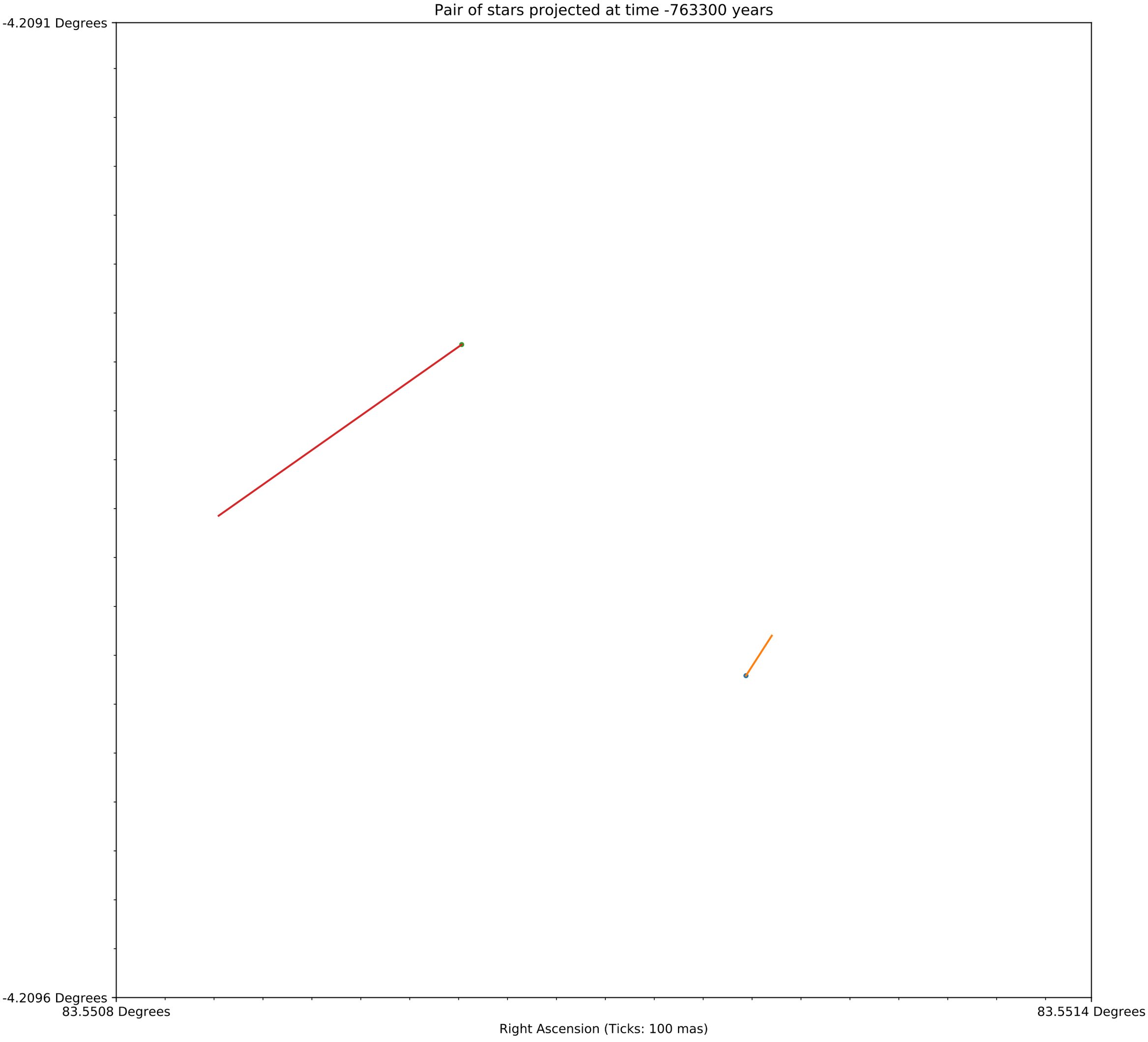

Pair of stars projected at time -755800 years
-4.6612 Degrees
-4.6615 Degrees
83.6175 Degrees
83.6179 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -755900 years
-5.9762 Degrees
Declination (Ticks: 100 mas)
-5.9767 Degrees
83.3386 Degrees
83.3391 Degrees
Right Ascension (Ticks: 100 mas)

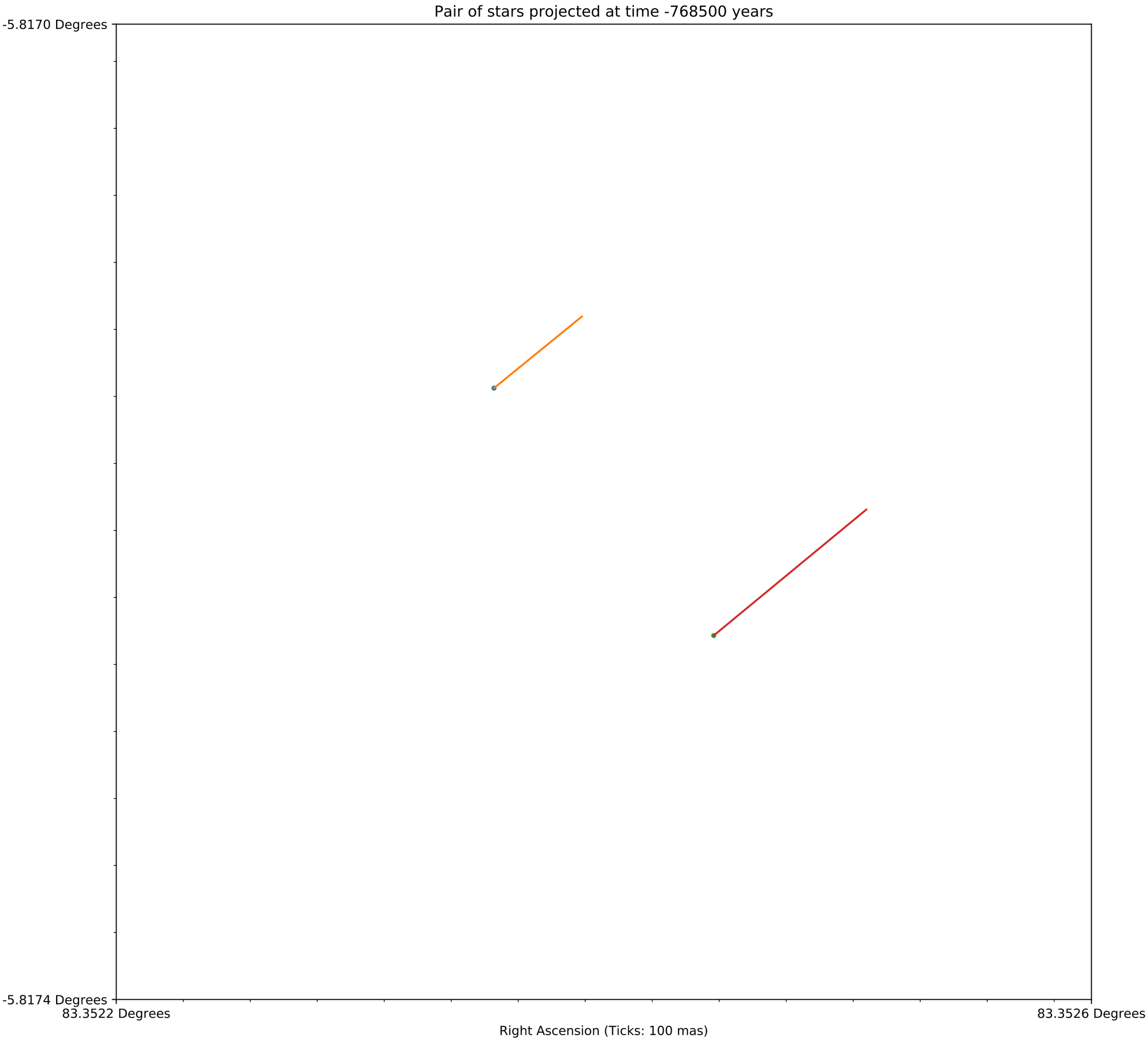

Pair of stars projected at time -756300 years
-4.6062 Degrees
Declination (Ticks: 100 mas)
-4.6066 Degrees
83.6506 Degrees
83.6509 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -757100 years
-5.5923 Degrees
-5.5926 Degrees
83.4293 Degrees
83.4297 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

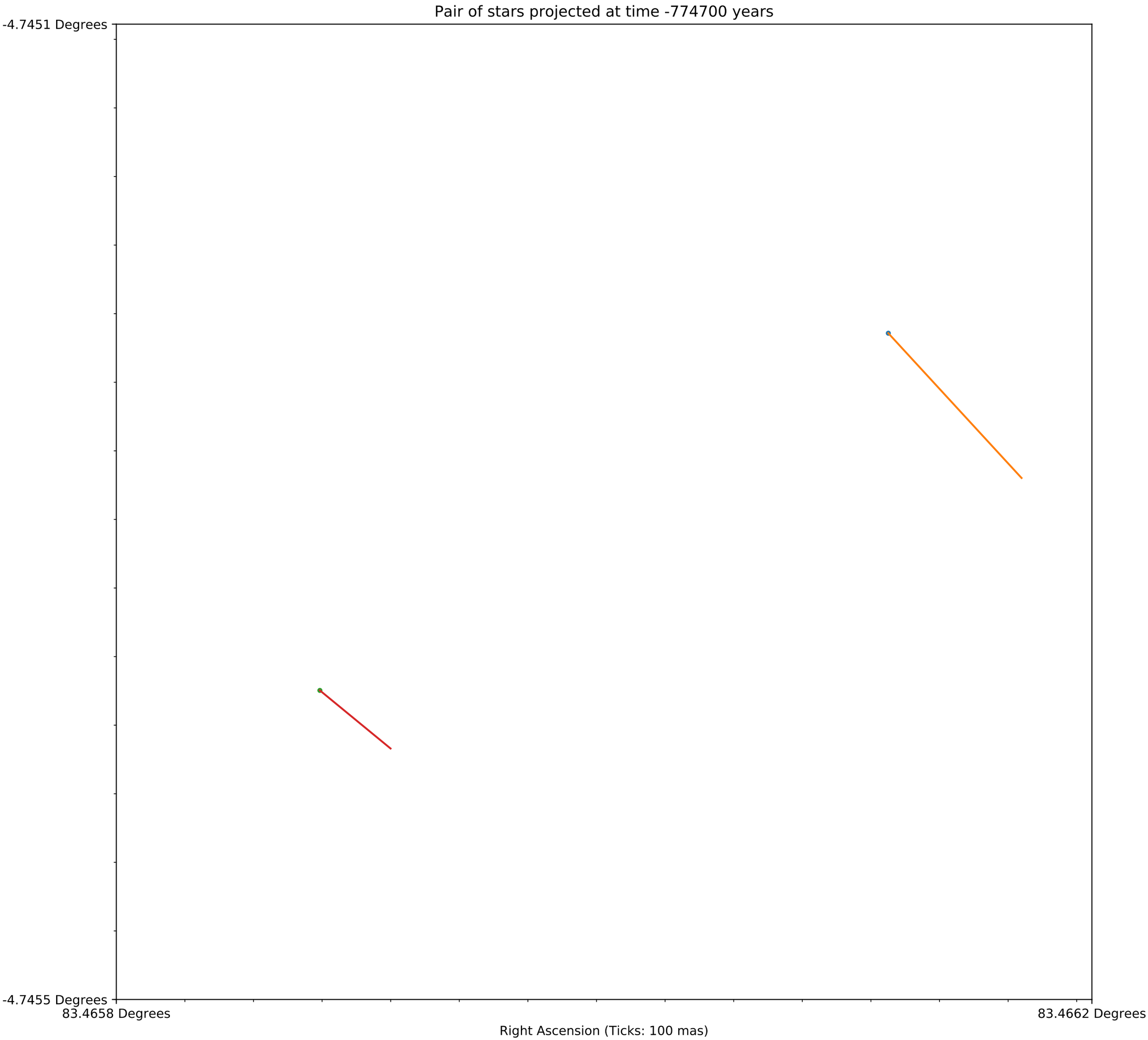

Pair of stars projected at time -762600 years
-6.2159 Degrees
-6.2162 Degrees
83.3940 Degrees
83.3944 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

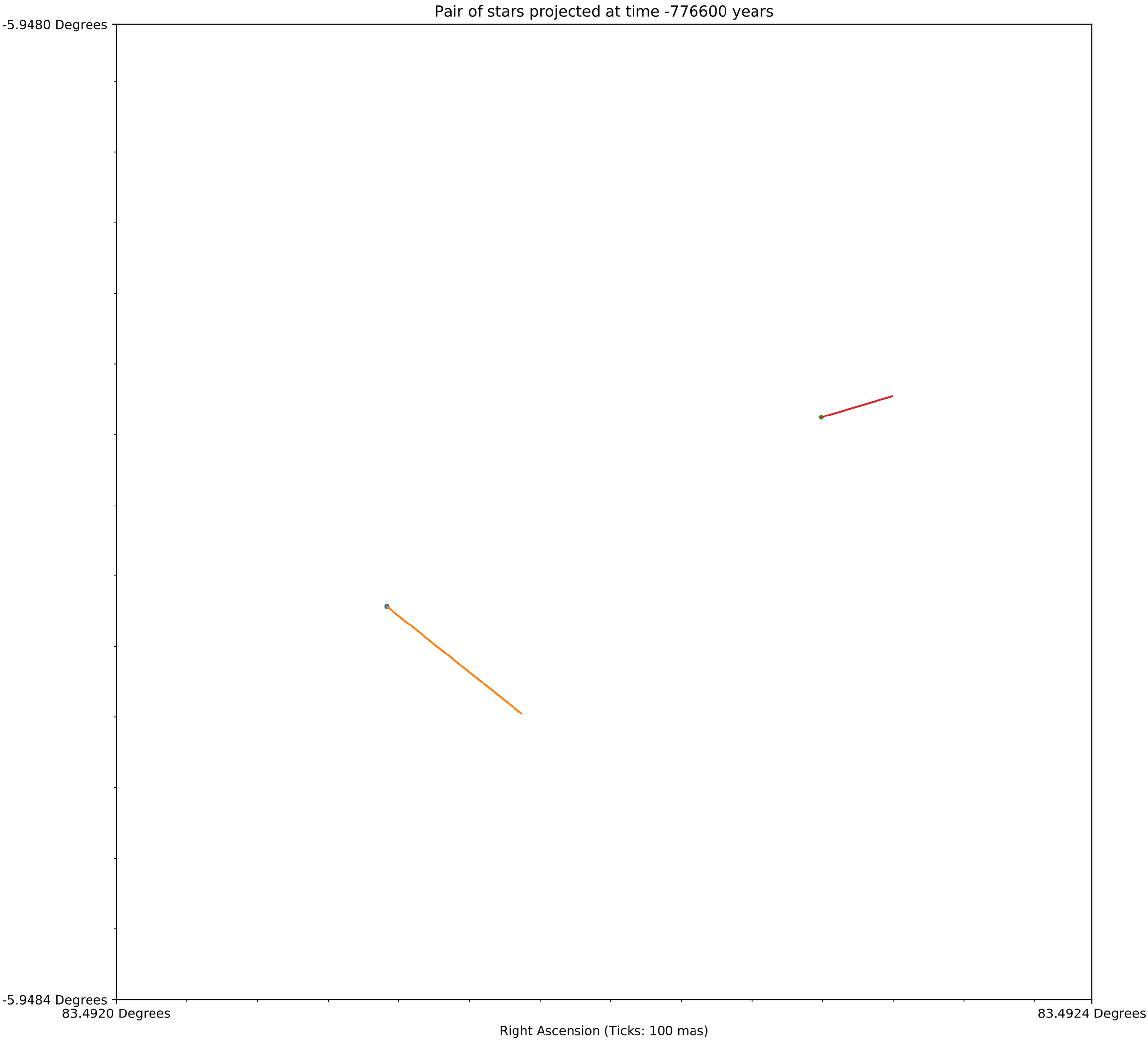

Pair of stars projected at time -763300 years
-4.2091 Degrees
-4.2096 Degrees
83.5508 Degrees
83.5514 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -765900 years
-5.1101 Degrees
Declination (Ticks: 100 mas)
-5.1104 Degrees
83.2443 Degrees
83.2447 Degrees
Right Ascension (Ticks: 100 mas)

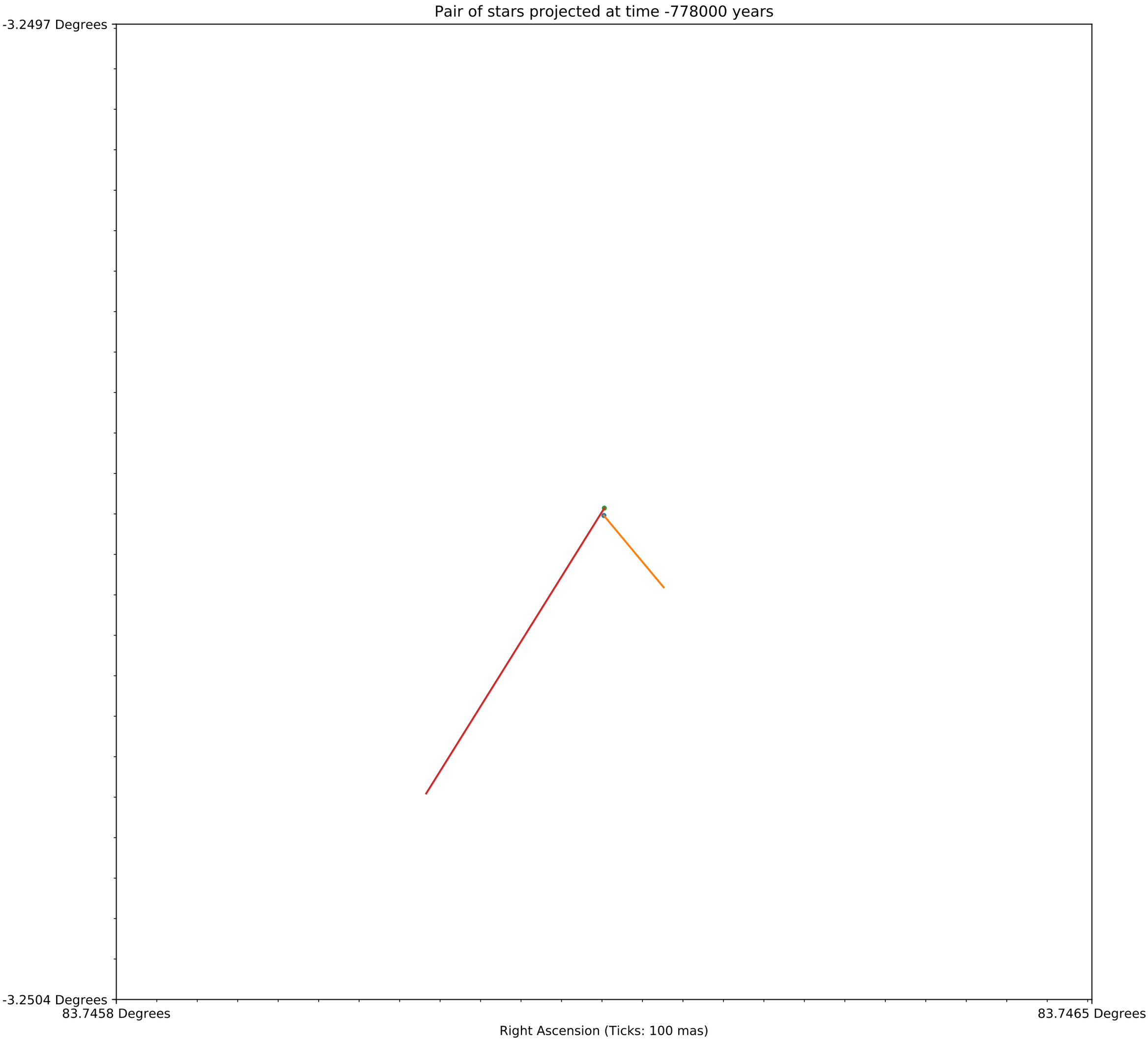

Pair of stars projected at time -768500 years
-5.8170 Degrees
Declination (Ticks: 100 mas)
-5.8174 Degrees
83.3522 Degrees
83.3526 Degrees
Right Ascension (Ticks: 100 mas)

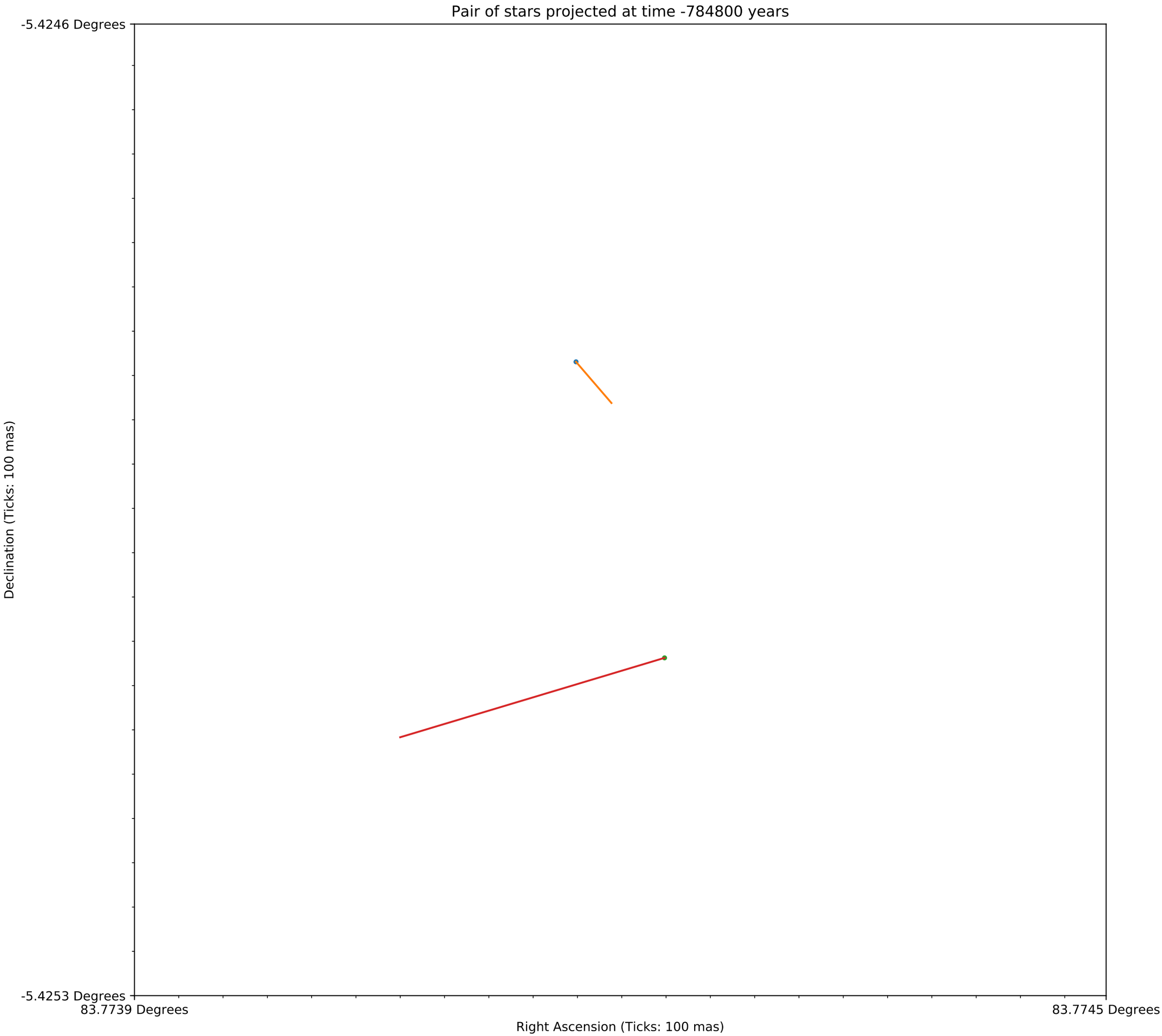
Pair of stars projected at time -772600 years
-5.0133 Degrees
-5.0140 Degrees
83.5381 Degrees
83.5388 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -774700 years
-4.7451 Degrees
Declination (Ticks: 100 mas)
-4.7455 Degrees
83.4658 Degrees
83.4662 Degrees
Right Ascension (Ticks: 100 mas)

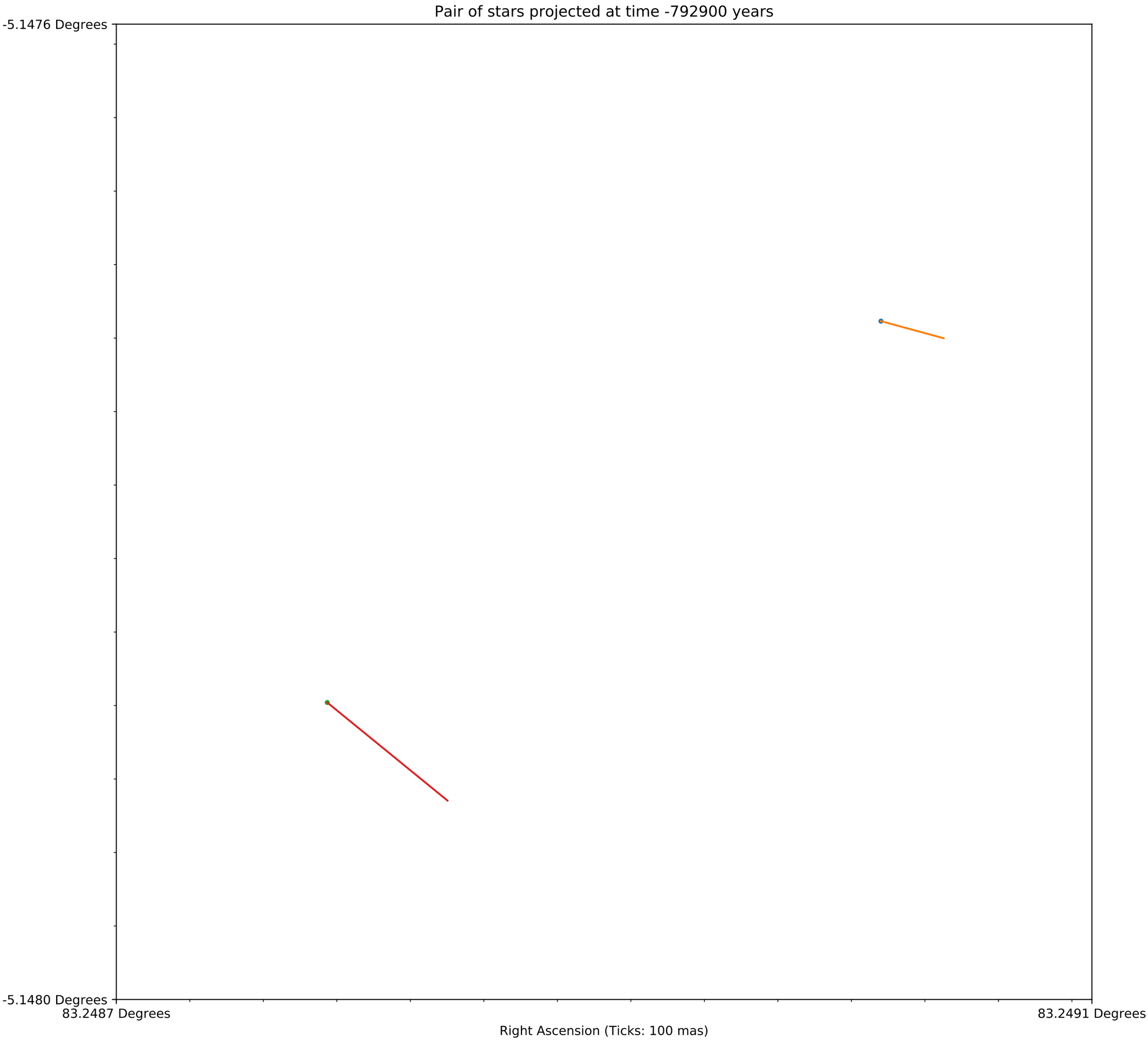

Pair of stars projected at time -776600 years
-5.9480 Degrees
Declination (Ticks: 100 mas)
-5.9484 Degrees
83.4920 Degrees
83.4924 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -777900 years
-5.9543 Degrees
-5.9547 Degrees
83.6500 Degrees
83.6504 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

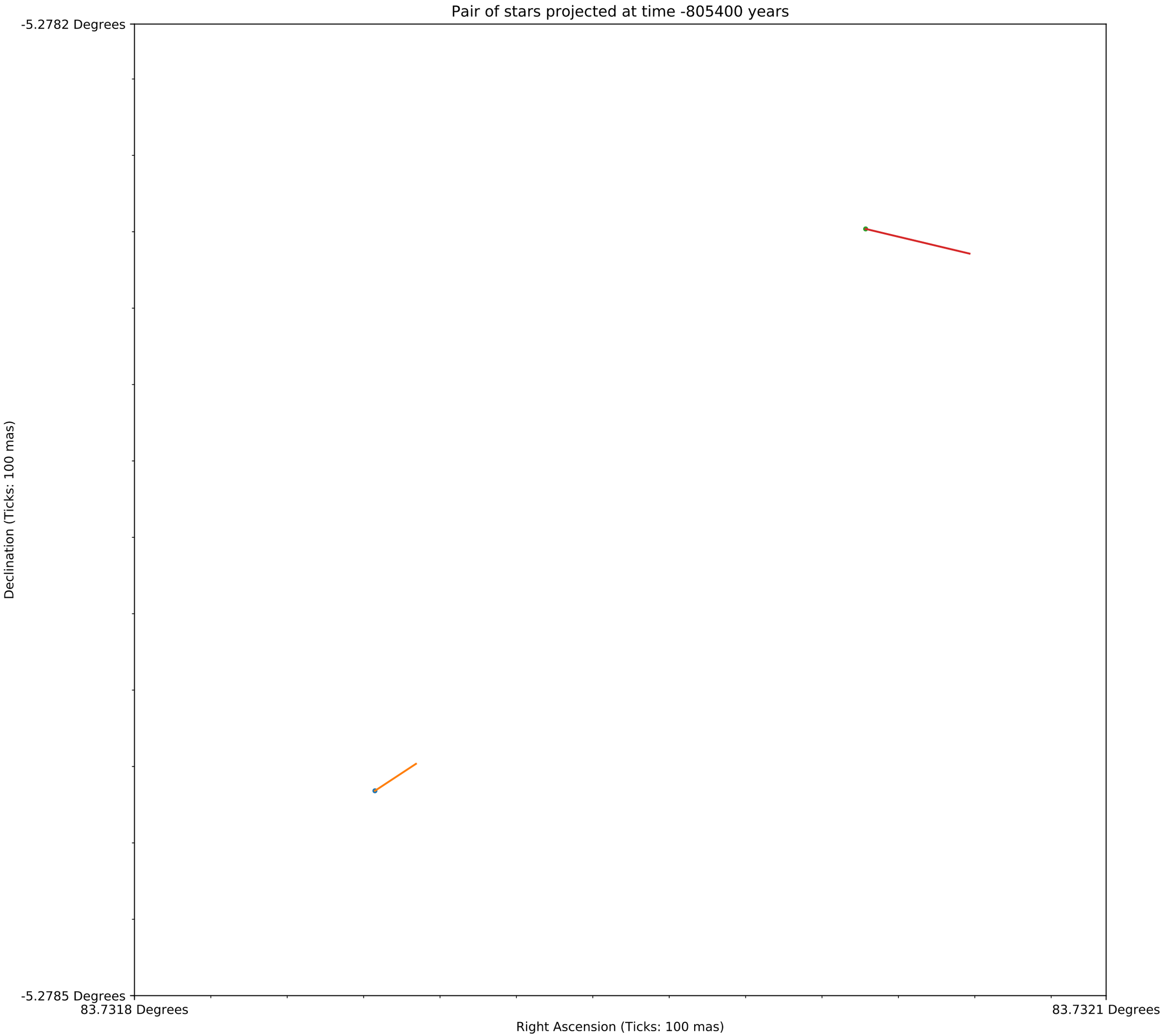

Pair of stars projected at time -778000 years
-3.2497 Degrees
Declination (Ticks: 100 mas)
-3.2504 Degrees
83.7458 Degrees
83.7465 Degrees
Right Ascension (Ticks: 100 mas)

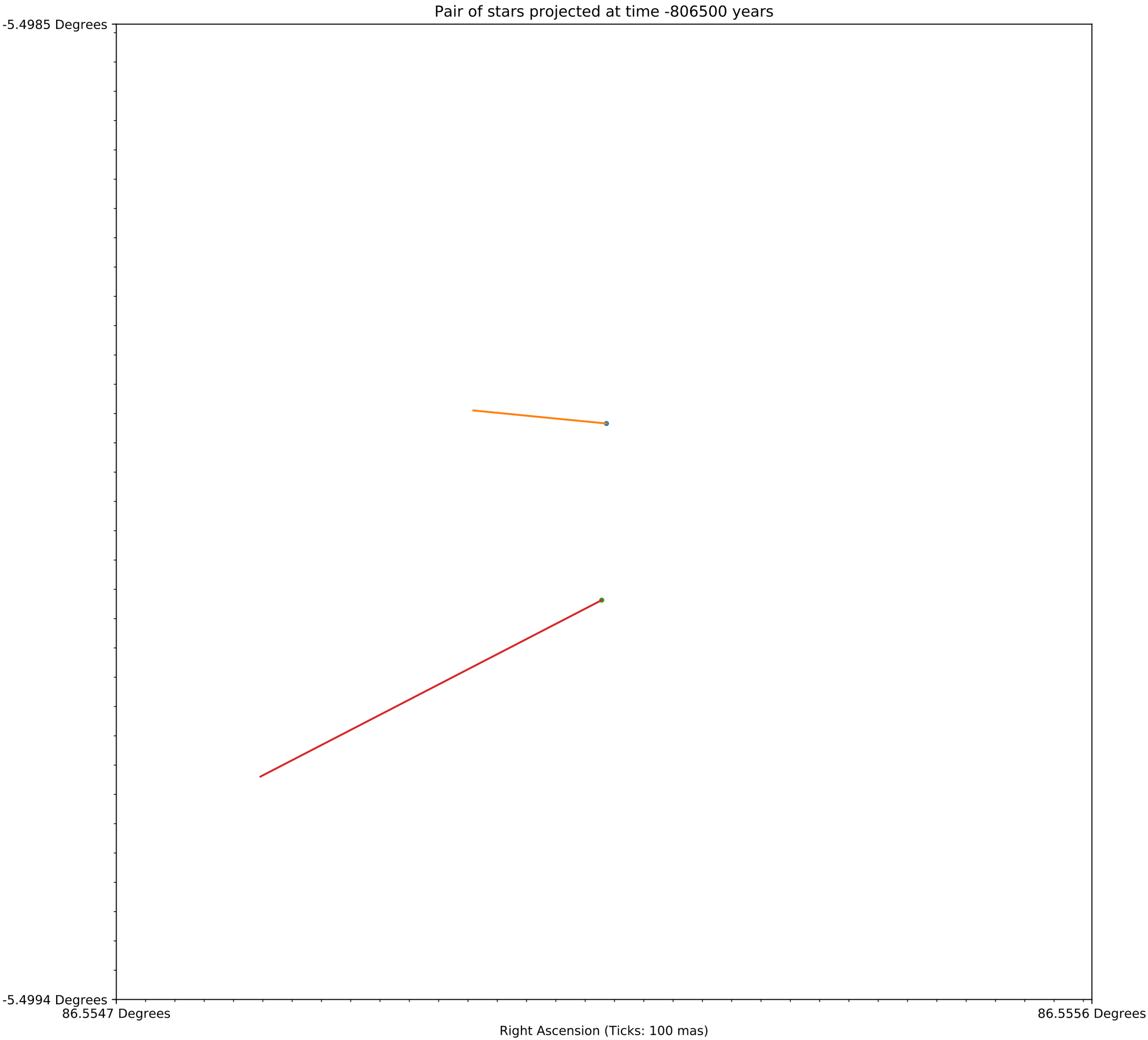

Pair of stars projected at time -784800 years
-5.4246 Degrees
-5.4253 Degrees
83.7739 Degrees
83.7745 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

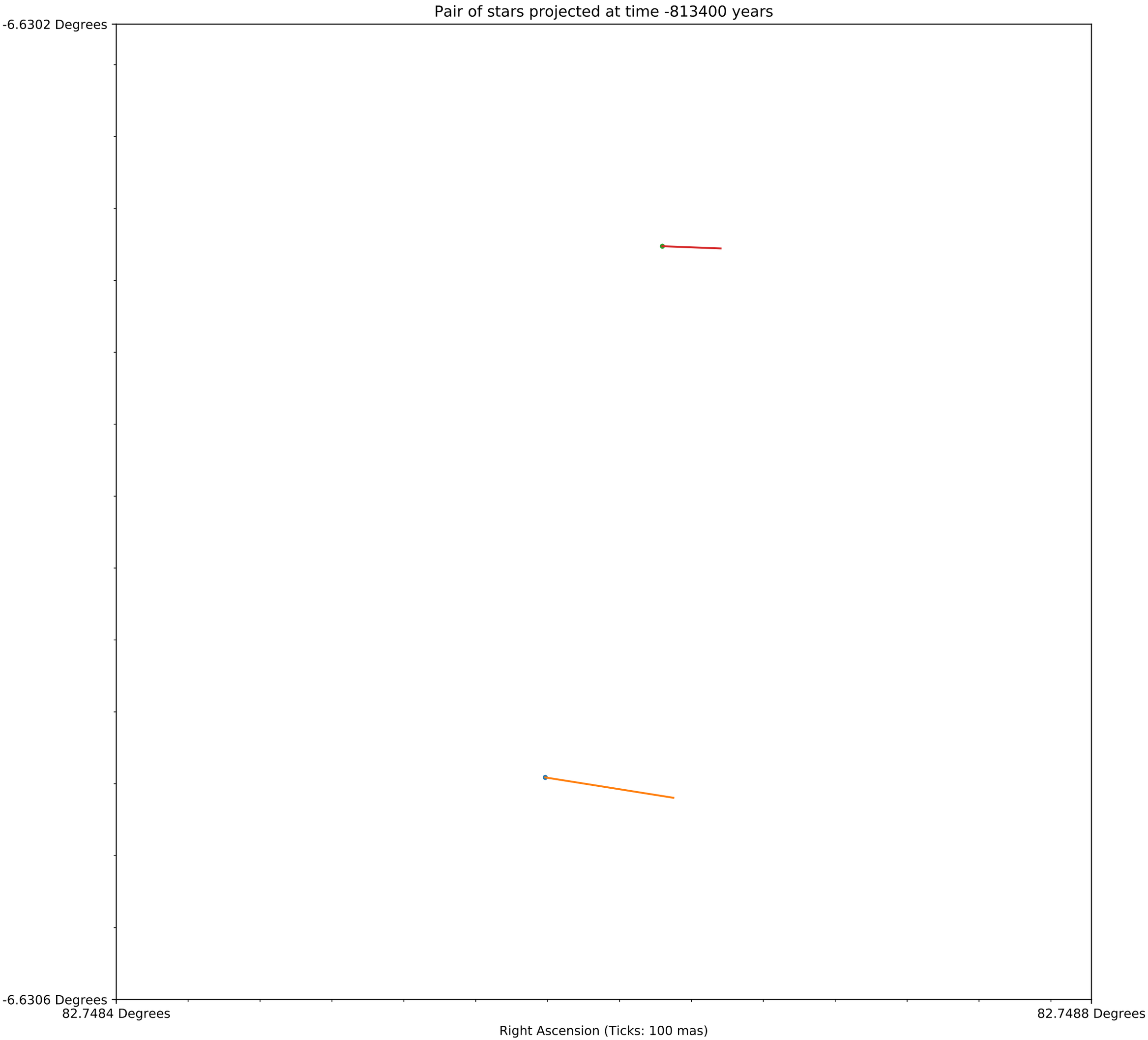
Pair of stars projected at time -790600 years
-4.6375 Degrees
-4.6383 Degrees
83.6605 Degrees
83.6613 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

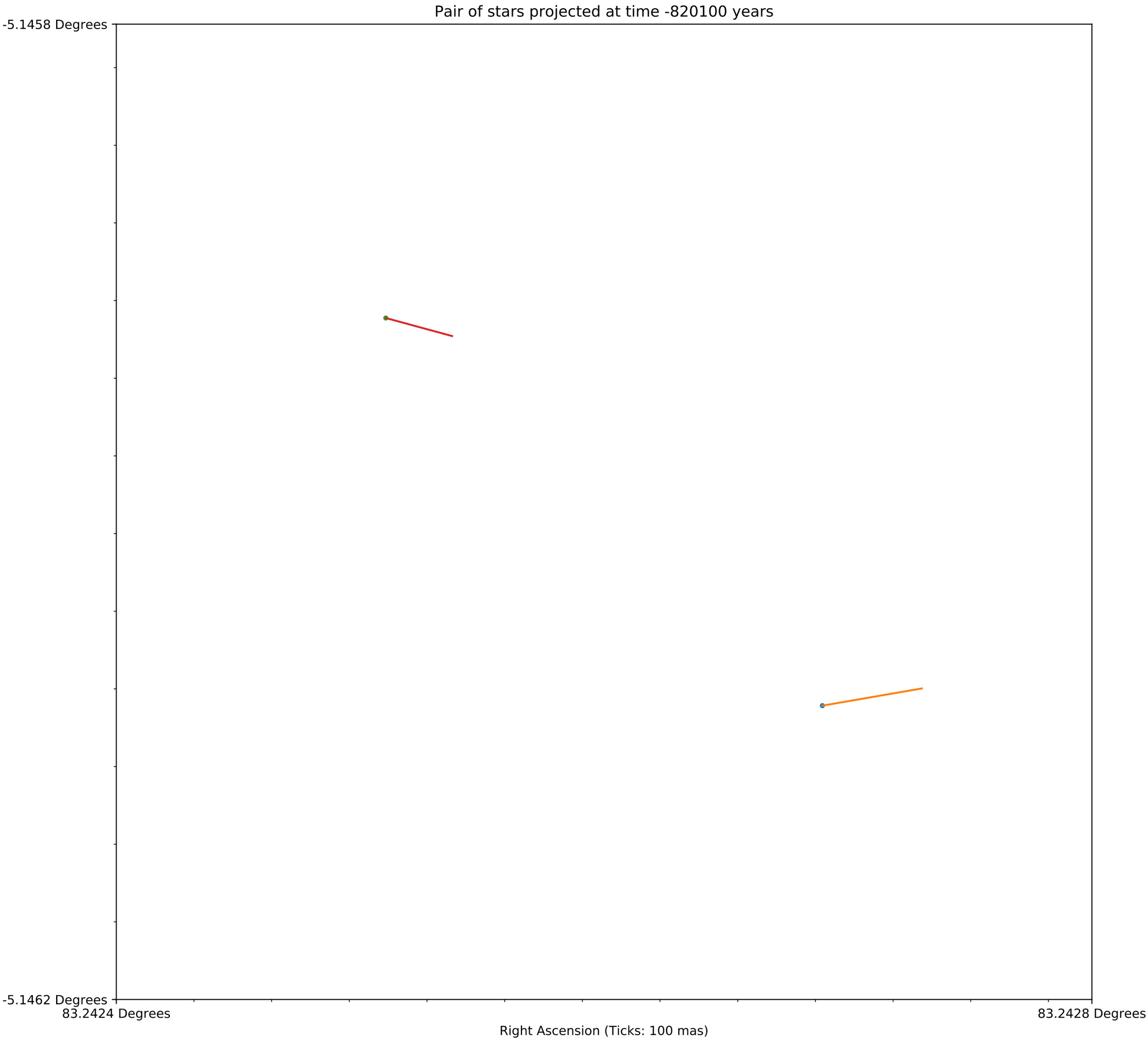

Pair of stars projected at time -792900 years
-5.1476 Degrees
-5.1480 Degrees
83.2487 Degrees
83.2491 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

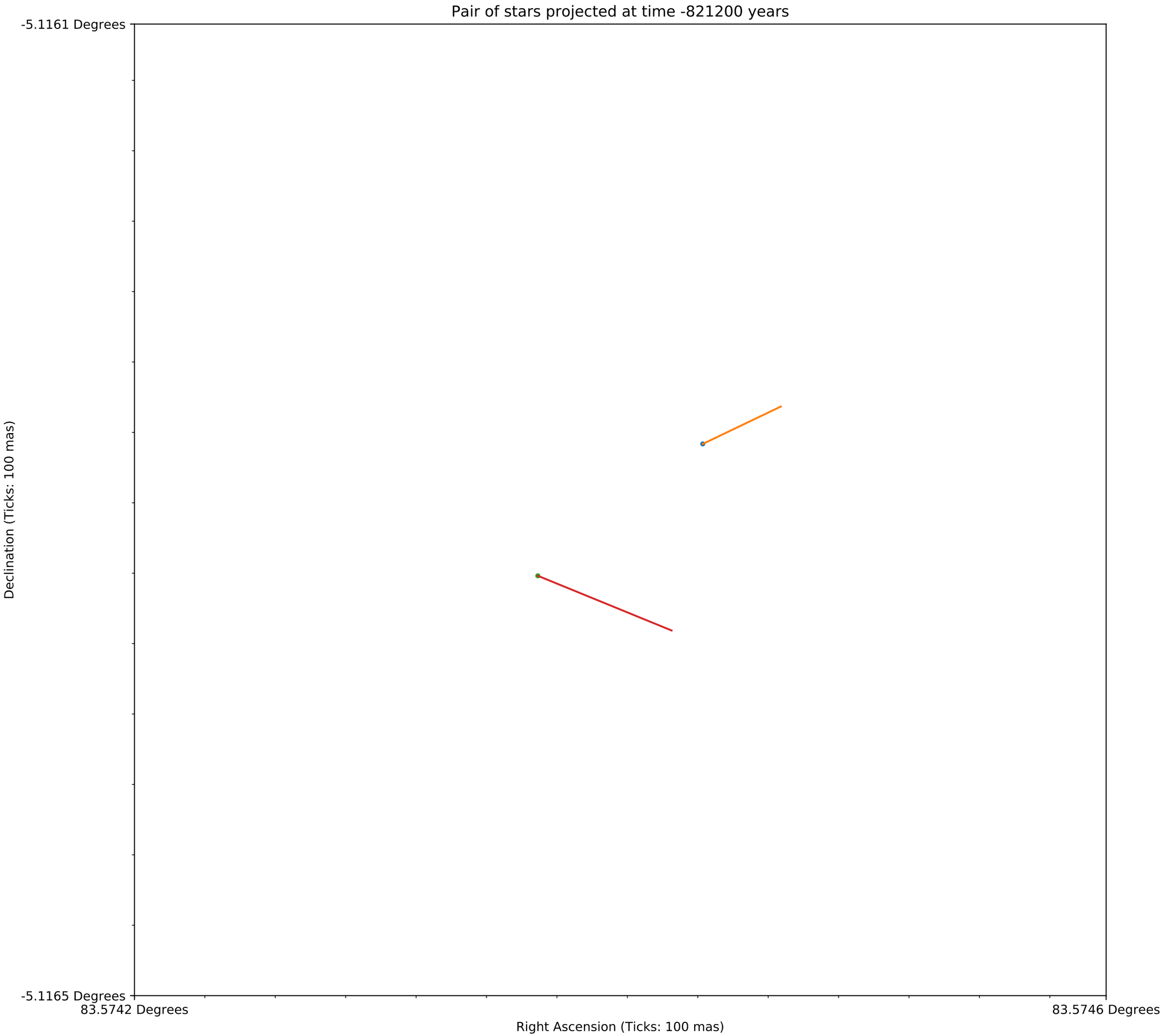
Pair of stars projected at time -793200 years
-3.1519 Degrees
-3.1528 Degrees
83.2404 Degrees
83.2413 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -805400 years
-5.2782 Degrees
-5.2785 Degrees
83.7318 Degrees
83.7321 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -806500 years
-5.4985 Degrees
-5.4994 Degrees
86.5547 Degrees
86.5556 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

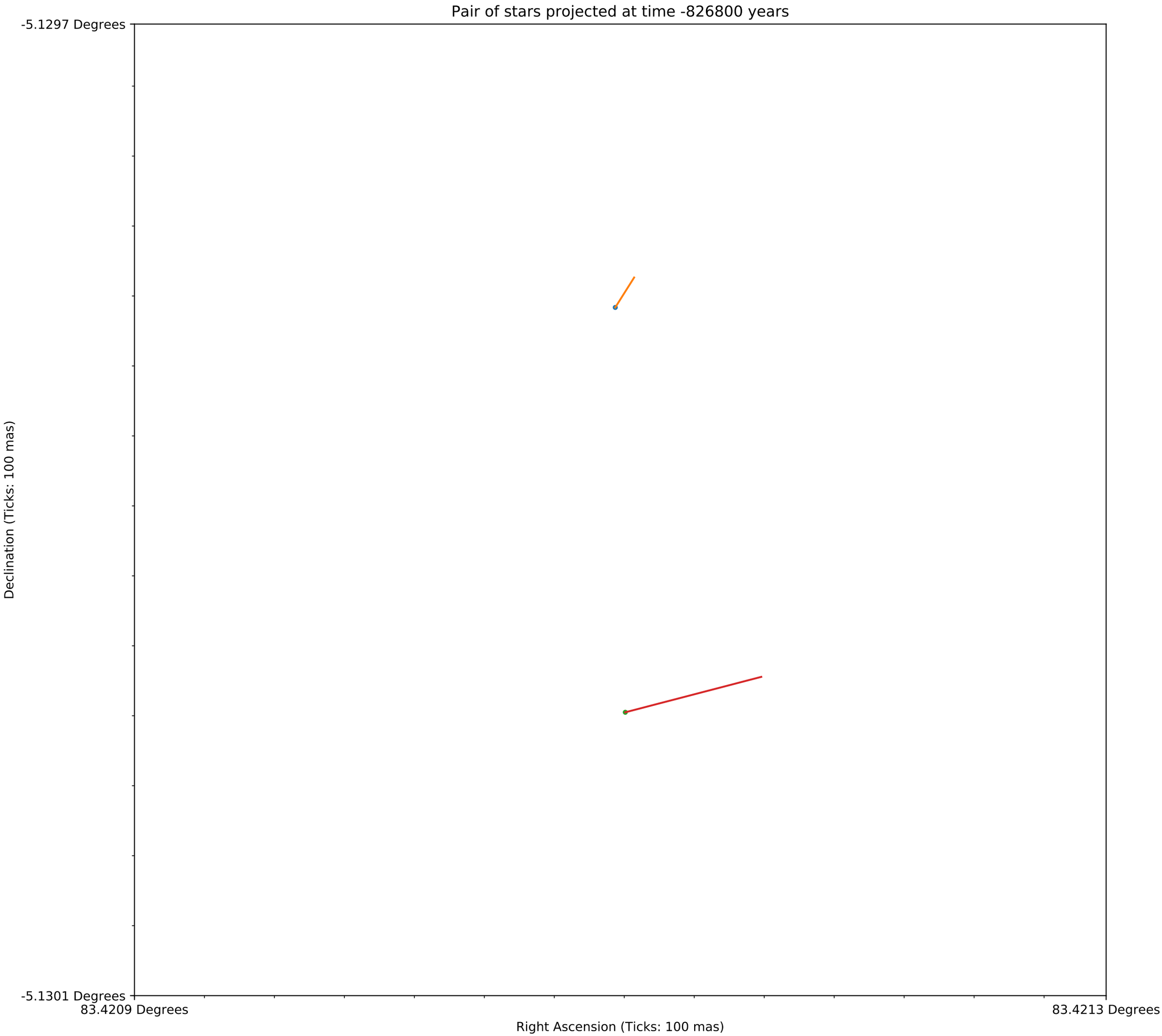

Pair of stars projected at time -813400 years
-6.6302 Degrees
Declination (Ticks: 100 mas)
-6.6306 Degrees
82.7484 Degrees
82.7488 Degrees
Right Ascension (Ticks: 100 mas)

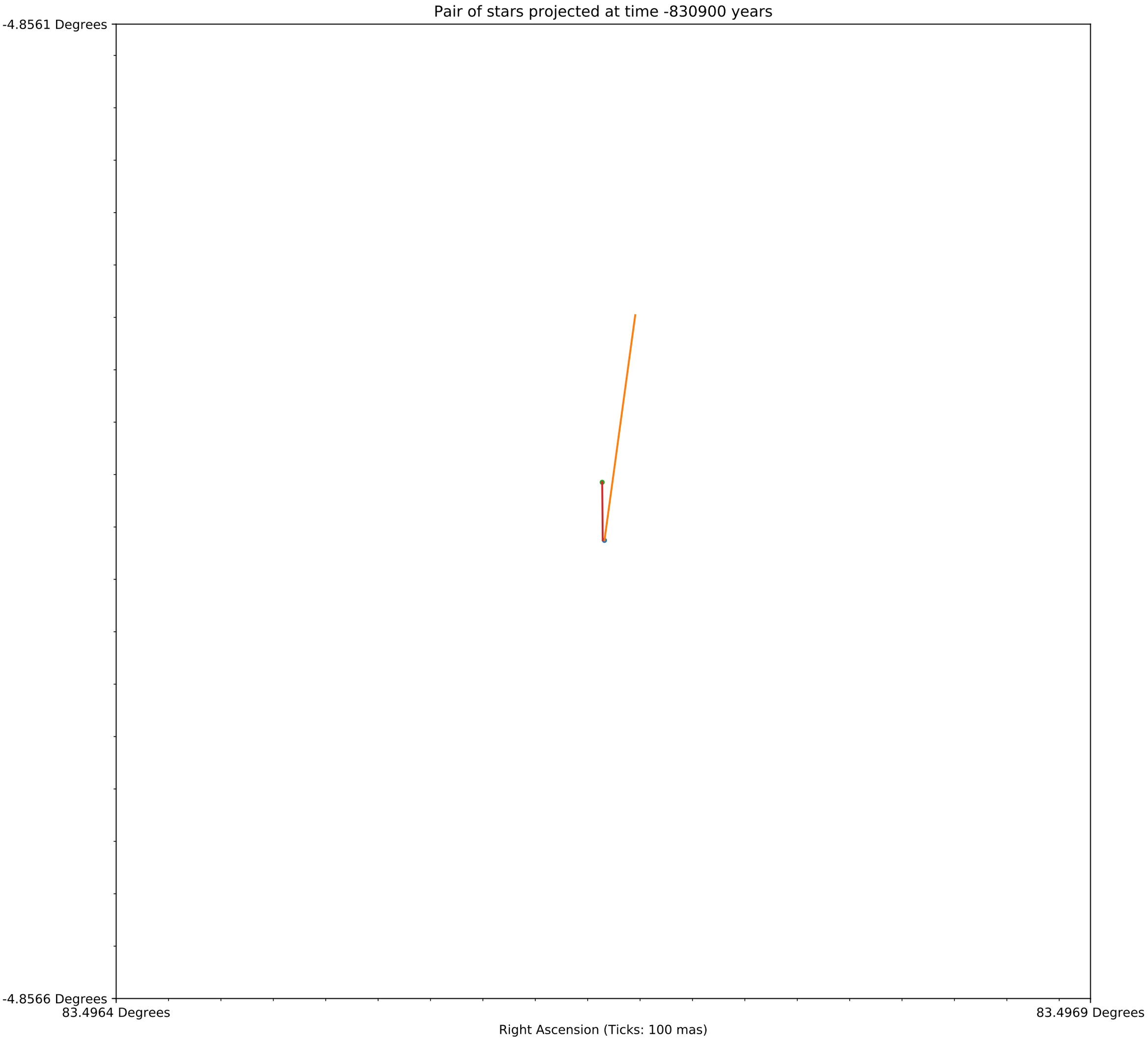

Pair of stars projected at time -820100 years
-5.1458 Degrees
Declination (Ticks: 100 mas)
-5.1462 Degrees
83.2424 Degrees
83.2428 Degrees
Right Ascension (Ticks: 100 mas)

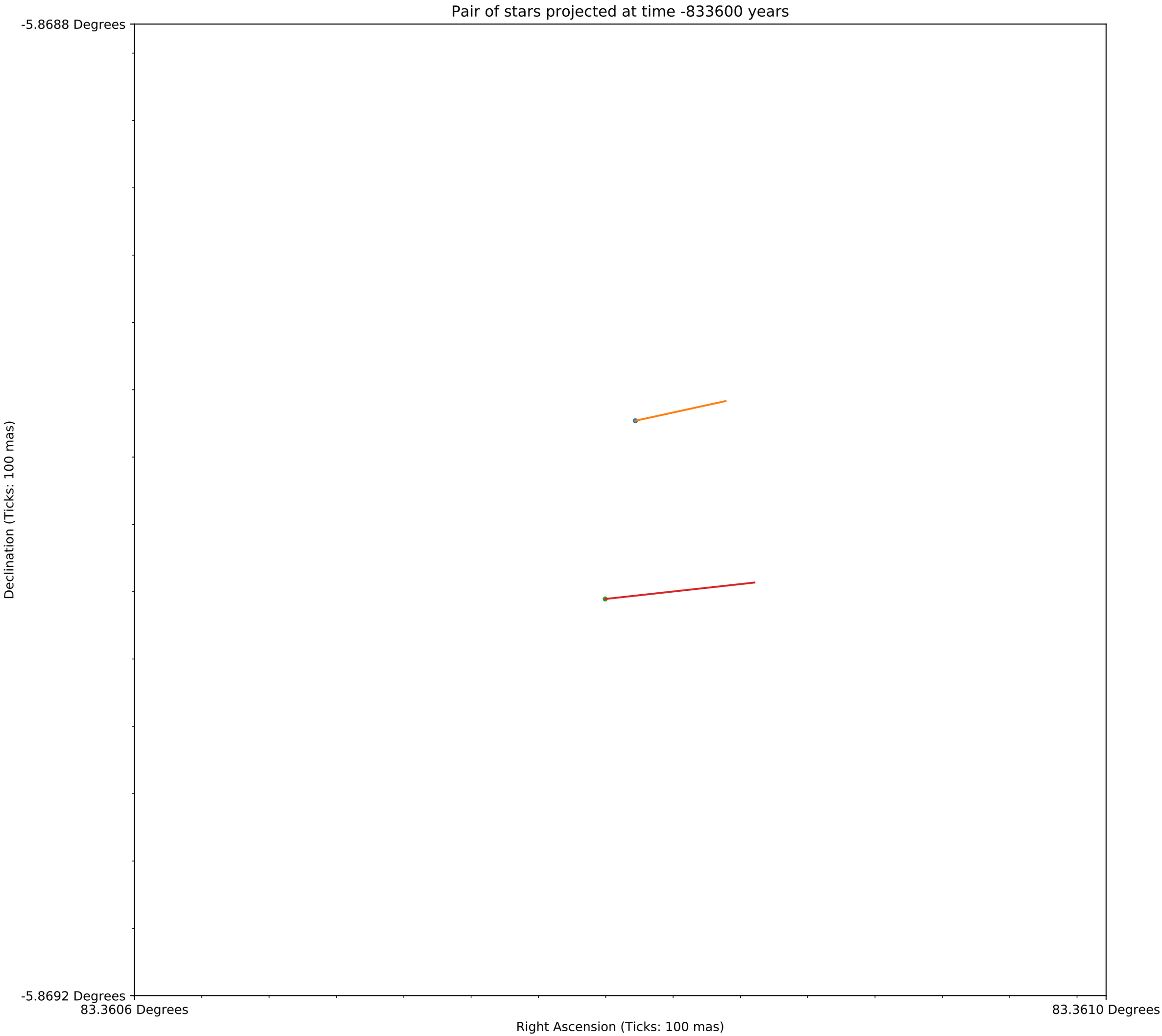

Pair of stars projected at time -821200 years
-5.1161 Degrees
-5.1165 Degrees
83.5742 Degrees
83.5746 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

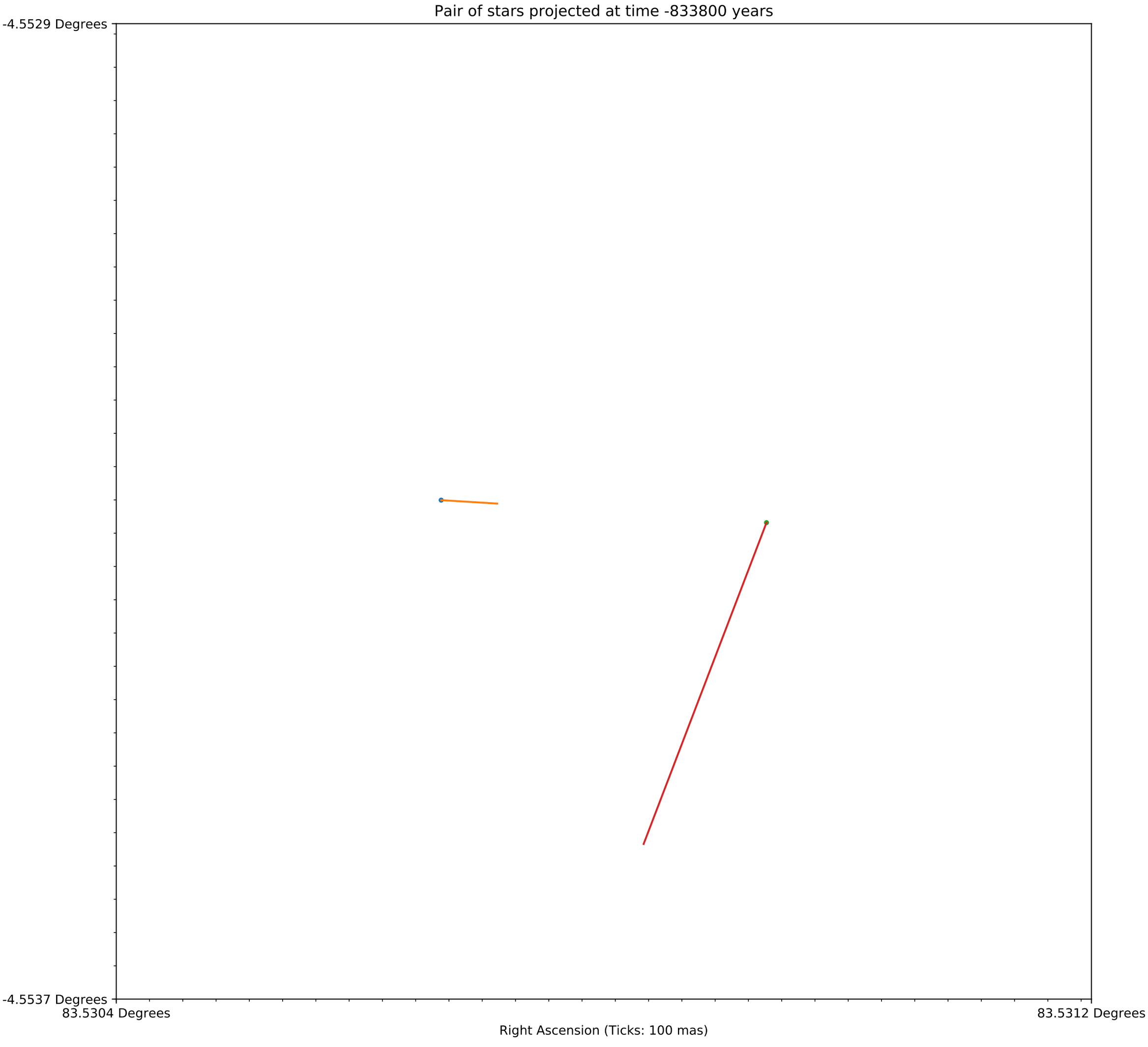
Pair of stars projected at time -824900 years
-5.8836 Degrees
Declination (Ticks: 100 mas)
-5.8839 Degrees
83.4499 Degrees
83.4503 Degrees
Right Ascension (Ticks: 100 mas)

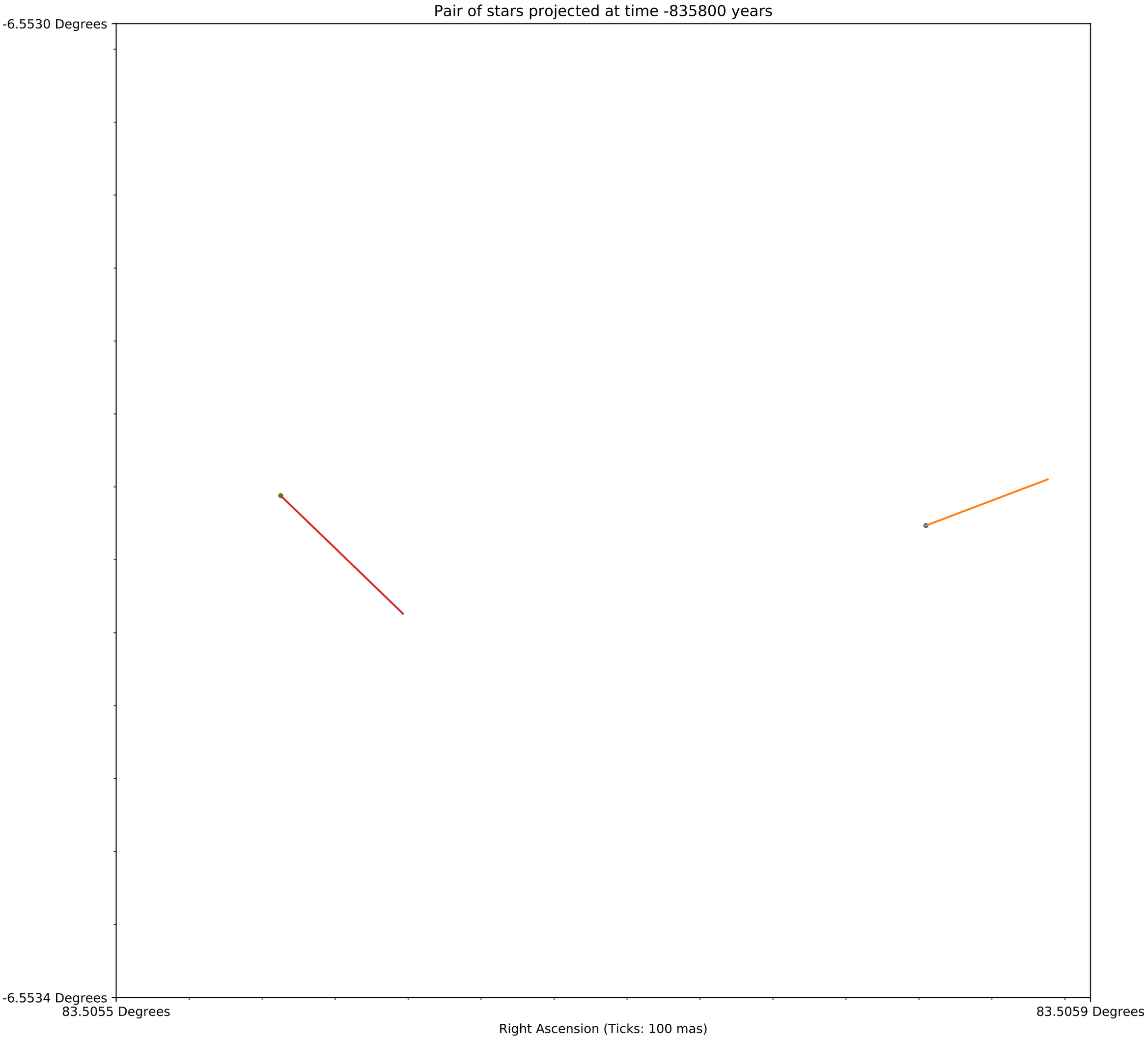
Pair of stars projected at time -826400 years
-5.1908 Degrees
Declination (Ticks: 100 mas)
-5.1912 Degrees
83.6537 Degrees
83.6540 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -826800 years
-5.1297 Degrees
-5.1301 Degrees
83.4209 Degrees
83.4213 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

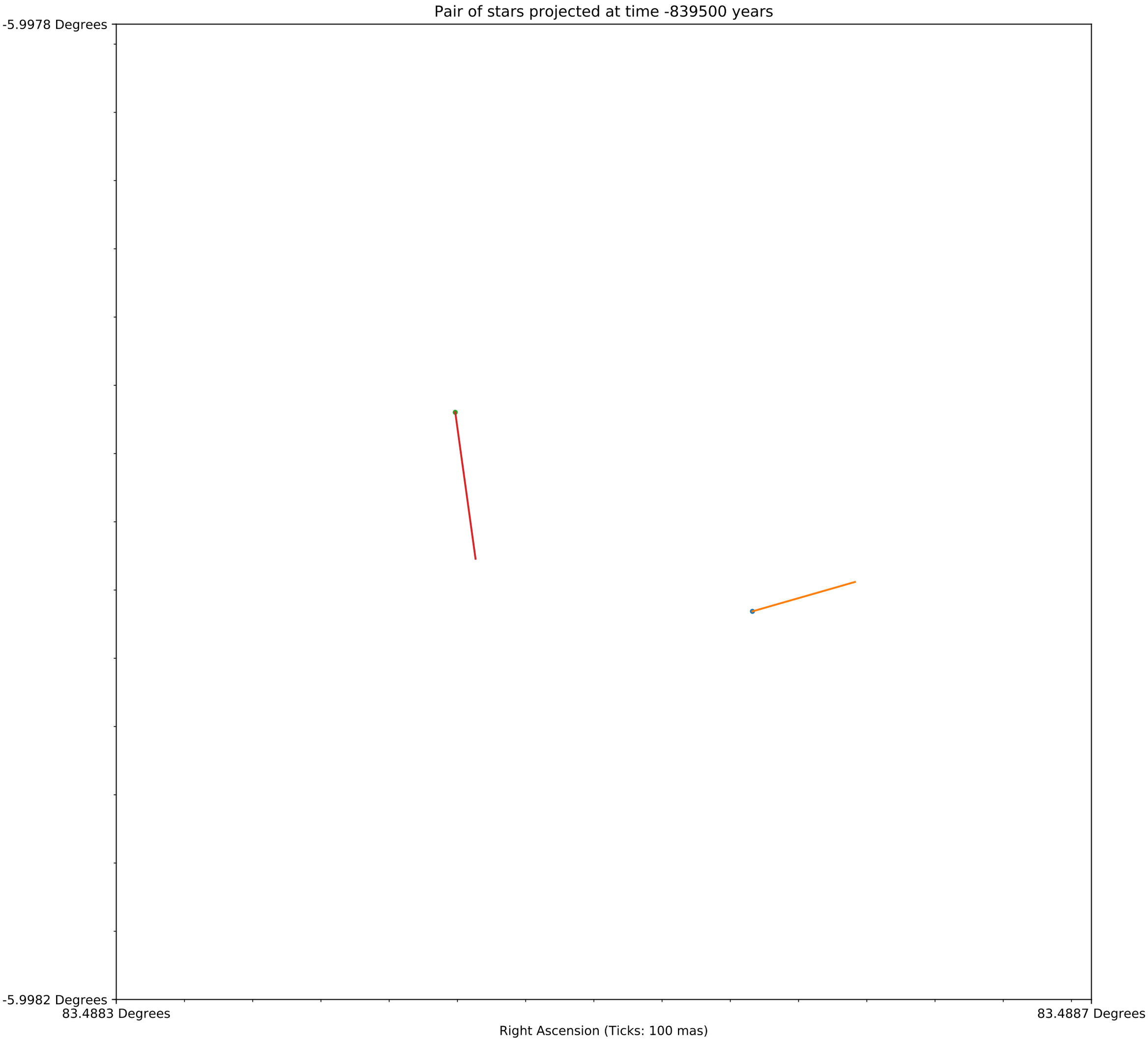

Pair of stars projected at time -830900 years
-4.8561 Degrees
Declination (Ticks: 100 mas)
-4.8566 Degrees
83.4964 Degrees
83.4969 Degrees
Right Ascension (Ticks: 100 mas)

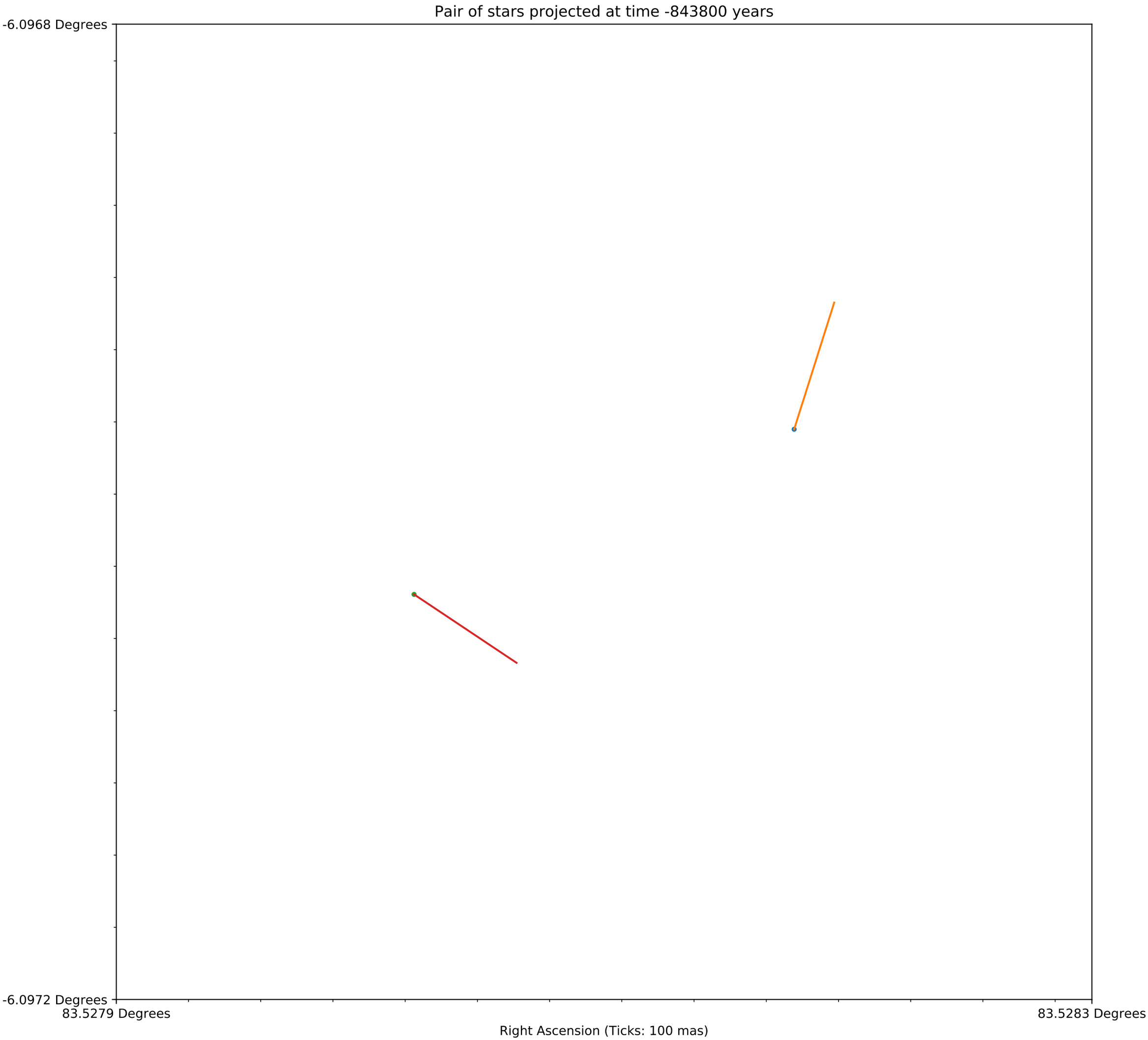

Pair of stars projected at time -833600 years
-5.8688 Degrees
-5.8692 Degrees
83.3606 Degrees
83.3610 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -833800 years
-4.5529 Degrees
Declination (Ticks: 100 mas)
-4.5537 Degrees
83.5304 Degrees
83.5312 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -835800 years
-6.5530 Degrees
Declination (Ticks: 100 mas)
-6.5534 Degrees
83.5055 Degrees
83.5059 Degrees
Right Ascension (Ticks: 100 mas)

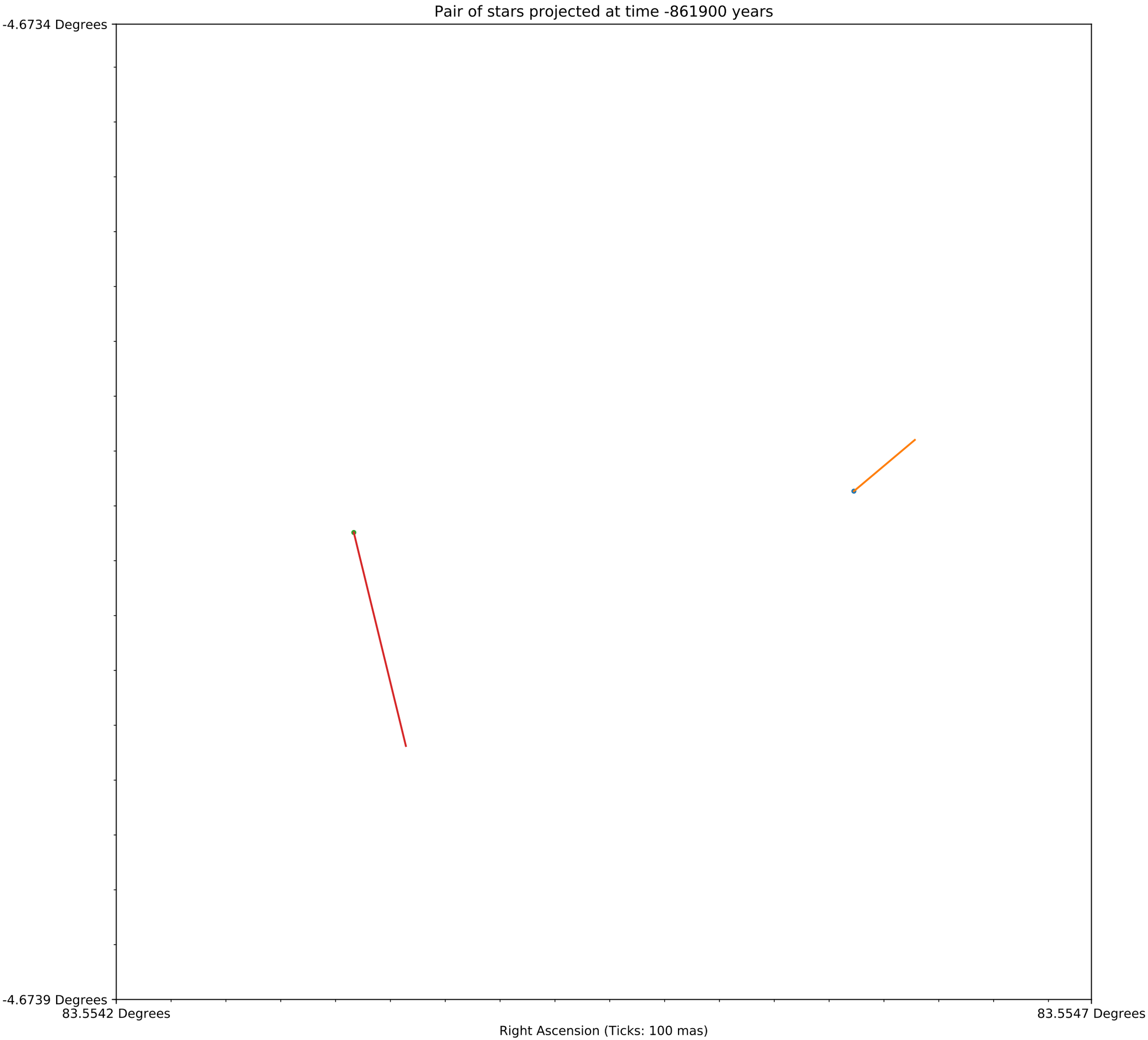
Pair of stars projected at time -837100 years
-5.4600 Degrees
Declination (Ticks: 100 mas)
-5.4607 Degrees
82.8162 Degrees
82.8168 Degrees
Right Ascension (Ticks: 100 mas)

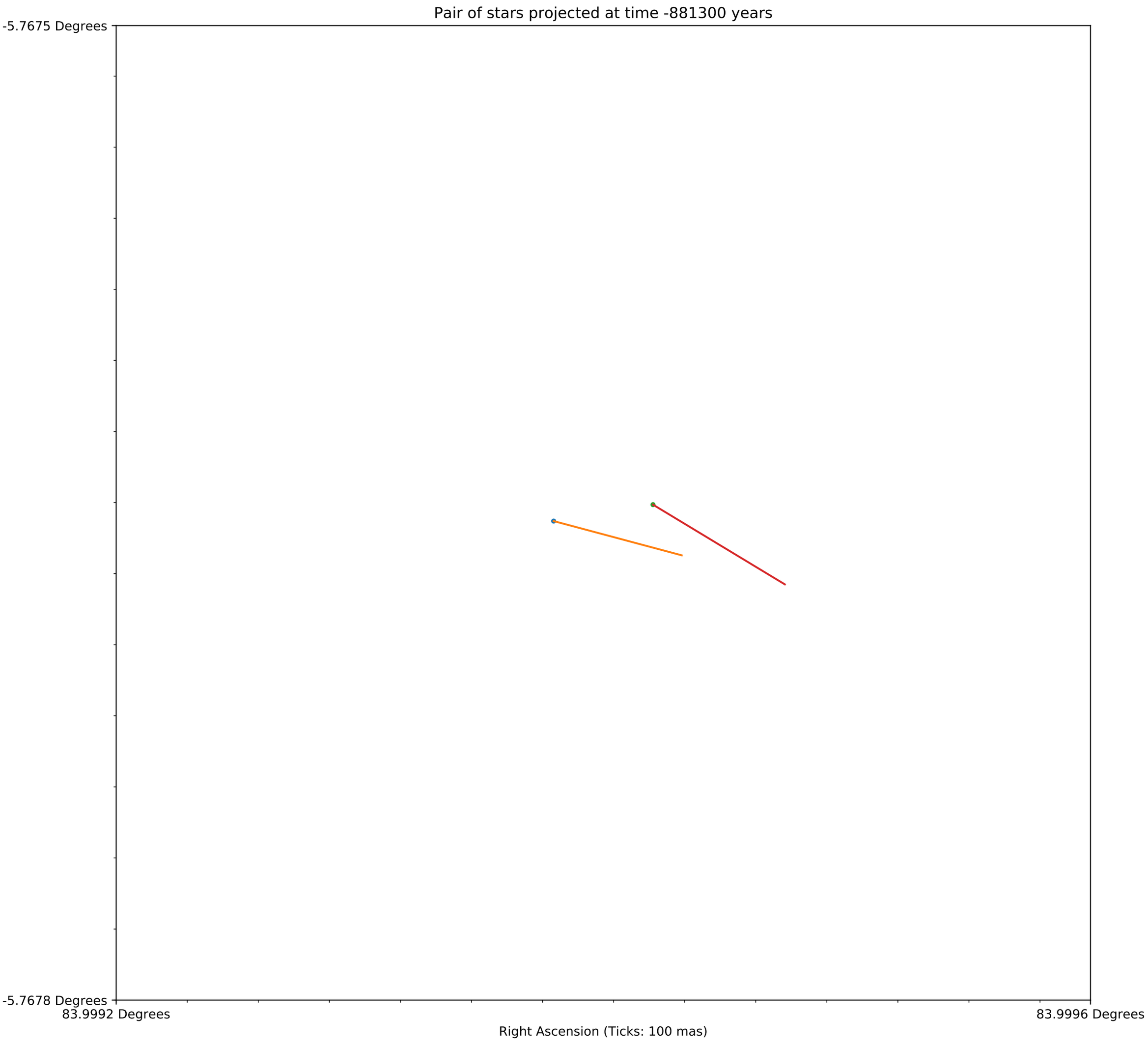

Pair of stars projected at time -839500 years
-5.9978 Degrees
Declination (Ticks: 100 mas)
-5.9982 Degrees
83.4883 Degrees
83.4887 Degrees
Right Ascension (Ticks: 100 mas)

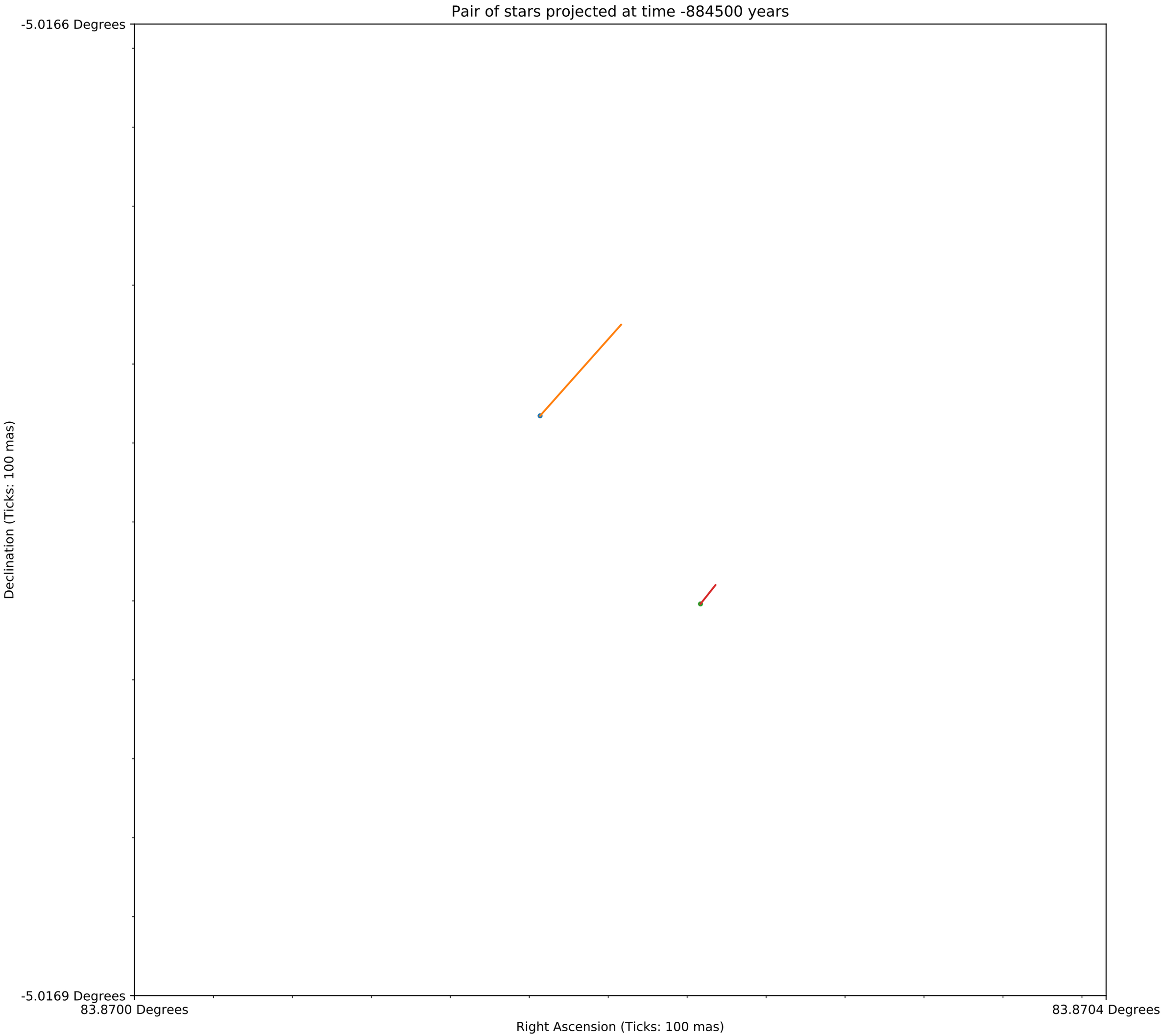

Pair of stars projected at time -843800 years
-6.0968 Degrees
Declination (Ticks: 100 mas)
-6.0972 Degrees
83.5279 Degrees
83.5283 Degrees
Right Ascension (Ticks: 100 mas)

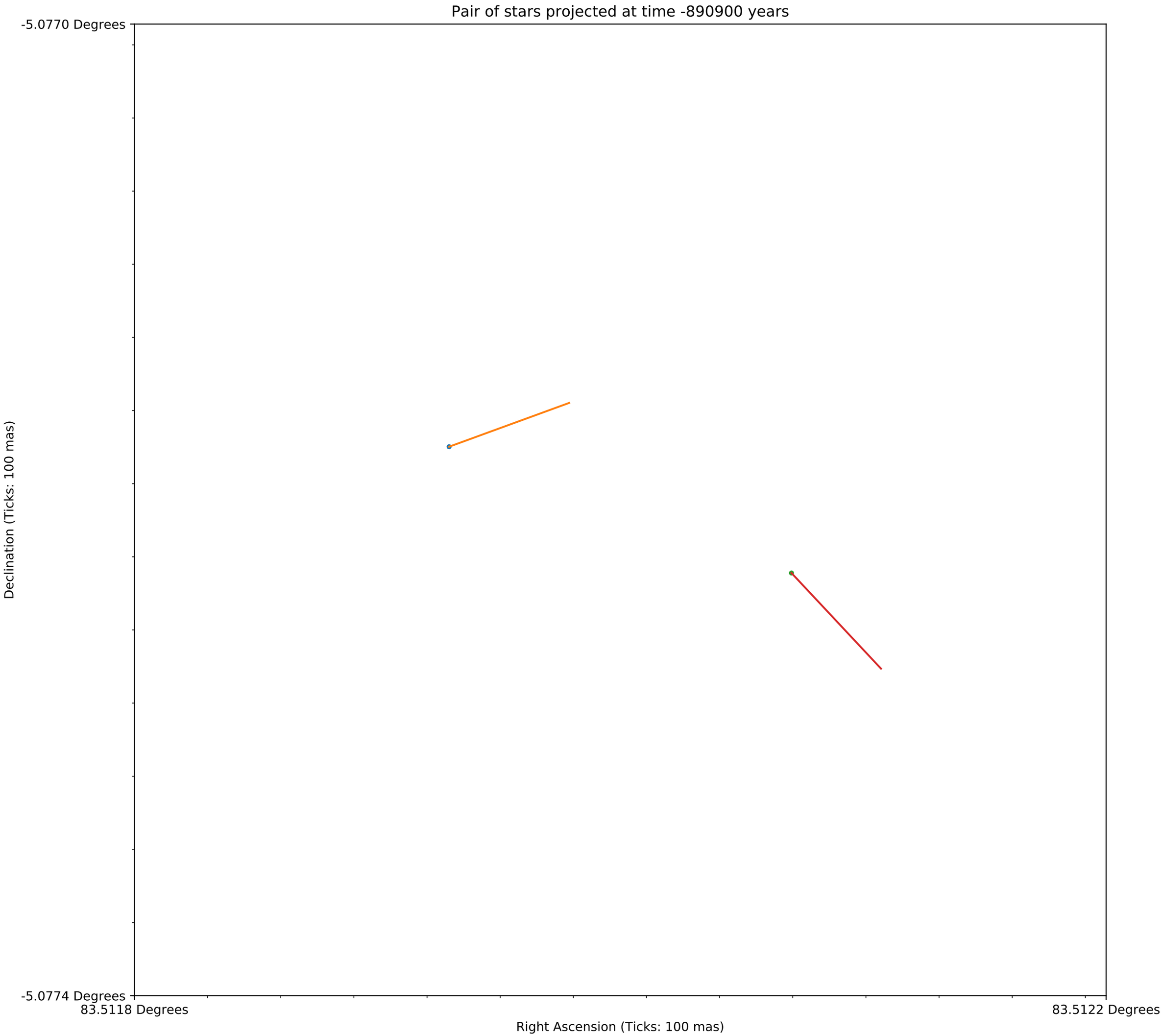
Pair of stars projected at time -848700 years
-6.5854 Degrees
Declination (Ticks: 100 mas)
-6.5857 Degrees
83.7564 Degrees
83.7567 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -854000 years
-3.8393 Degrees
Declination (Ticks: 100 mas)
-3.8400 Degrees
82.9591 Degrees
82.9598 Degrees
Right Ascension (Ticks: 100 mas)

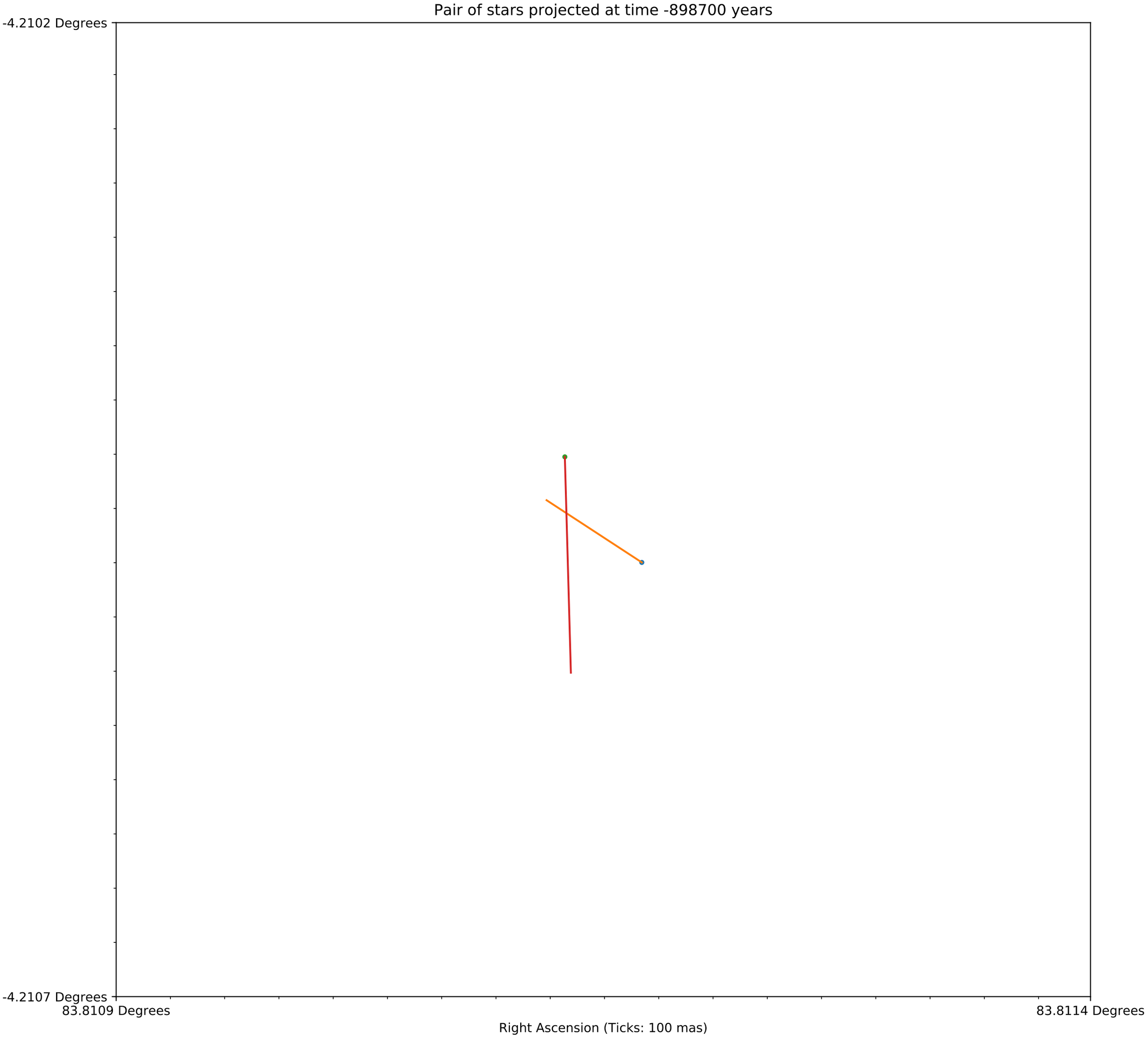

Pair of stars projected at time -861900 years
-4.6734 Degrees
-4.6739 Degrees
83.5542 Degrees
83.5547 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

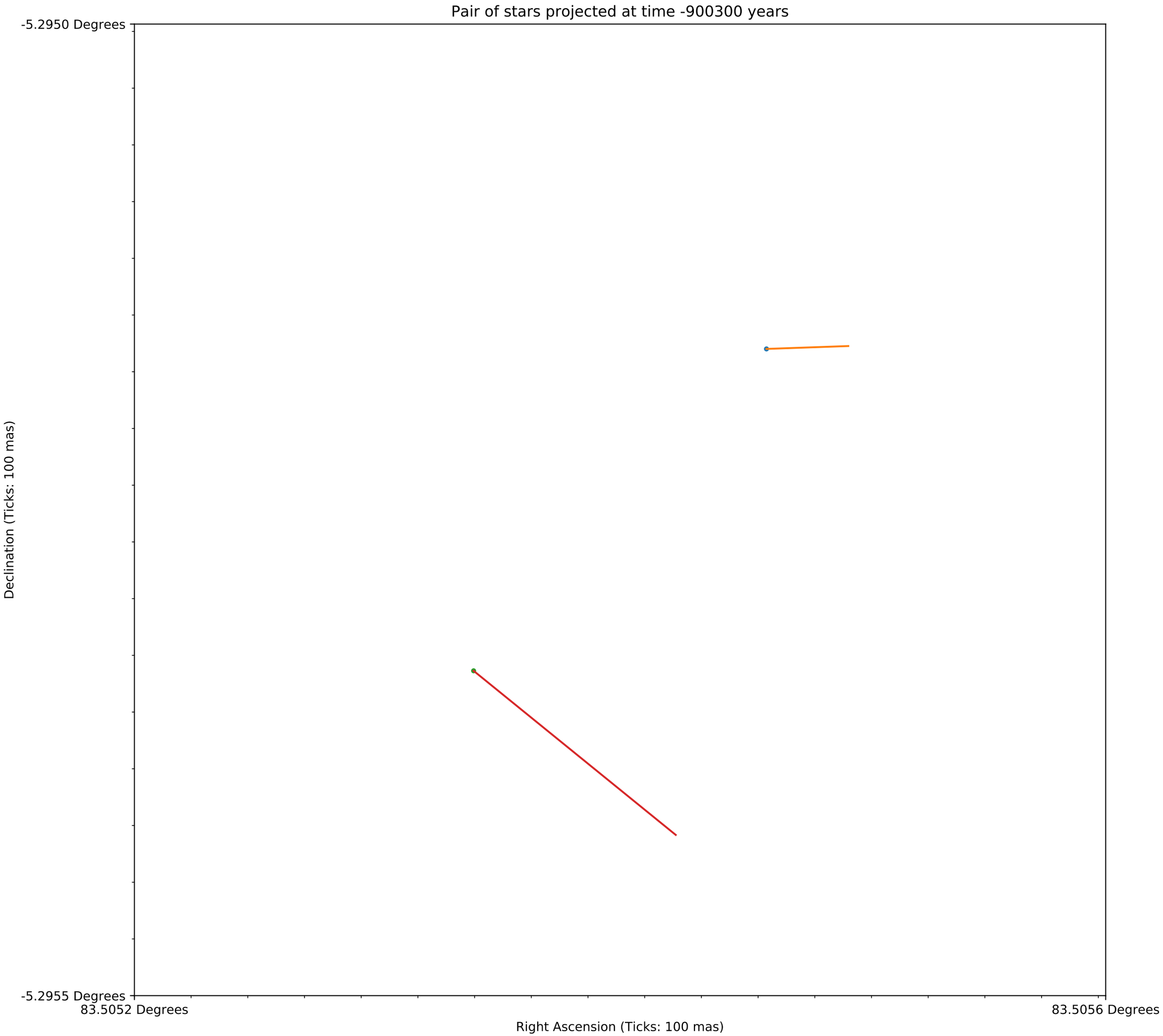

Pair of stars projected at time -881300 years
-5.7675 Degrees
-5.7678 Degrees
83.9992 Degrees
83.9996 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -884500 years
-5.0166 Degrees
-5.0169 Degrees
83.8700 Degrees
83.8704 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -890900 years
-5.0770 Degrees
-5.0774 Degrees
83.5118 Degrees
83.5122 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

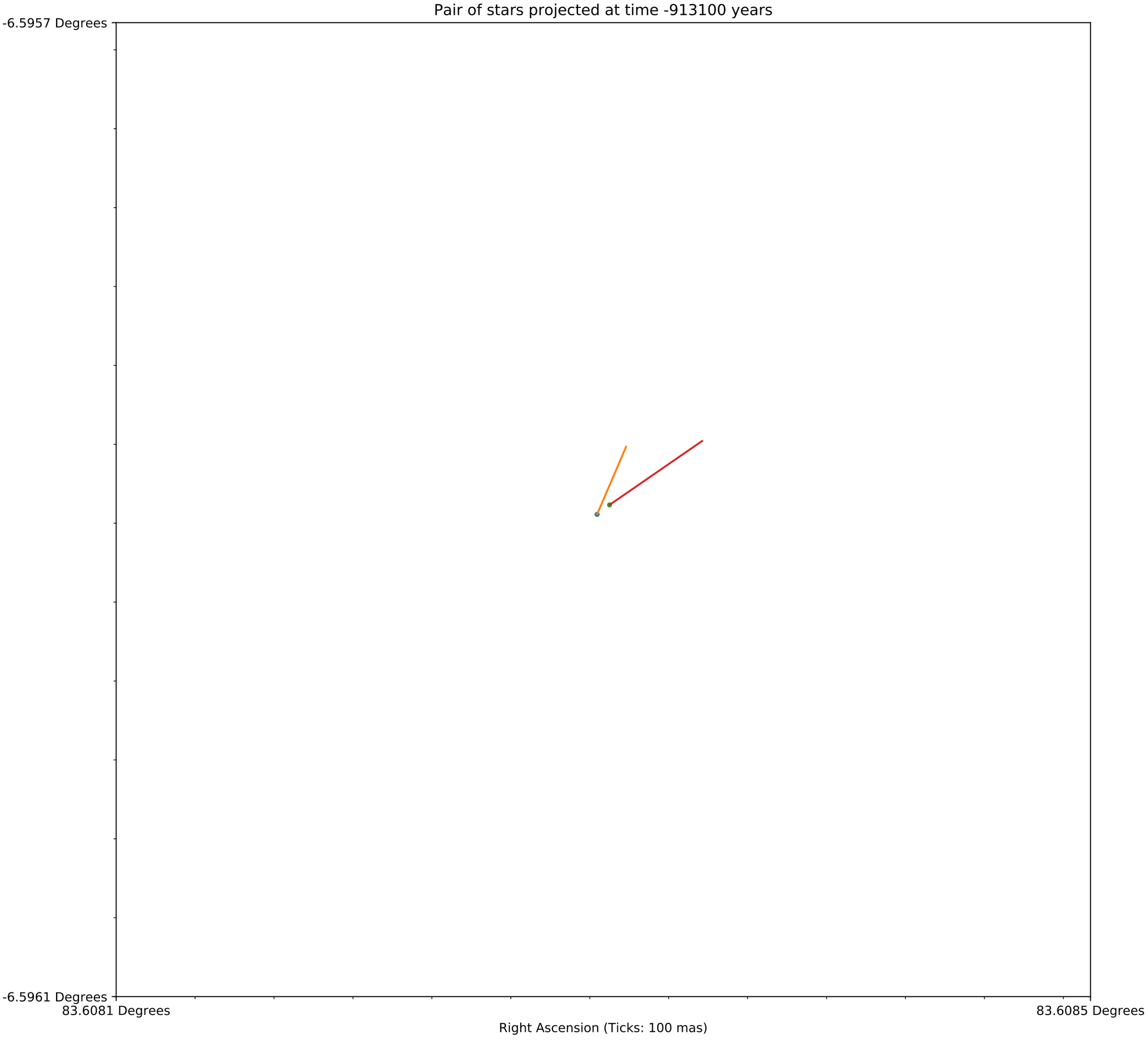
Pair of stars projected at time -898100 years
-4.5414 Degrees
-4.5419 Degrees
83.6736 Degrees
83.6740 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -898700 years
-4.2102 Degrees
-4.2107 Degrees
83.8109 Degrees
83.8114 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -900300 years
-5.2950 Degrees
-5.2955 Degrees
83.5052 Degrees
83.5056 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -904100 years
-5.9414 Degrees
-5.9419 Degrees
83.5872 Degrees
83.5876 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -905700 years
-5.4640 Degrees
Declination (Ticks: 100 mas)
-5.4645 Degrees
83.6252 Degrees
83.6257 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -913100 years
-6.5957 Degrees
-6.5961 Degrees
83.6081 Degrees
83.6085 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

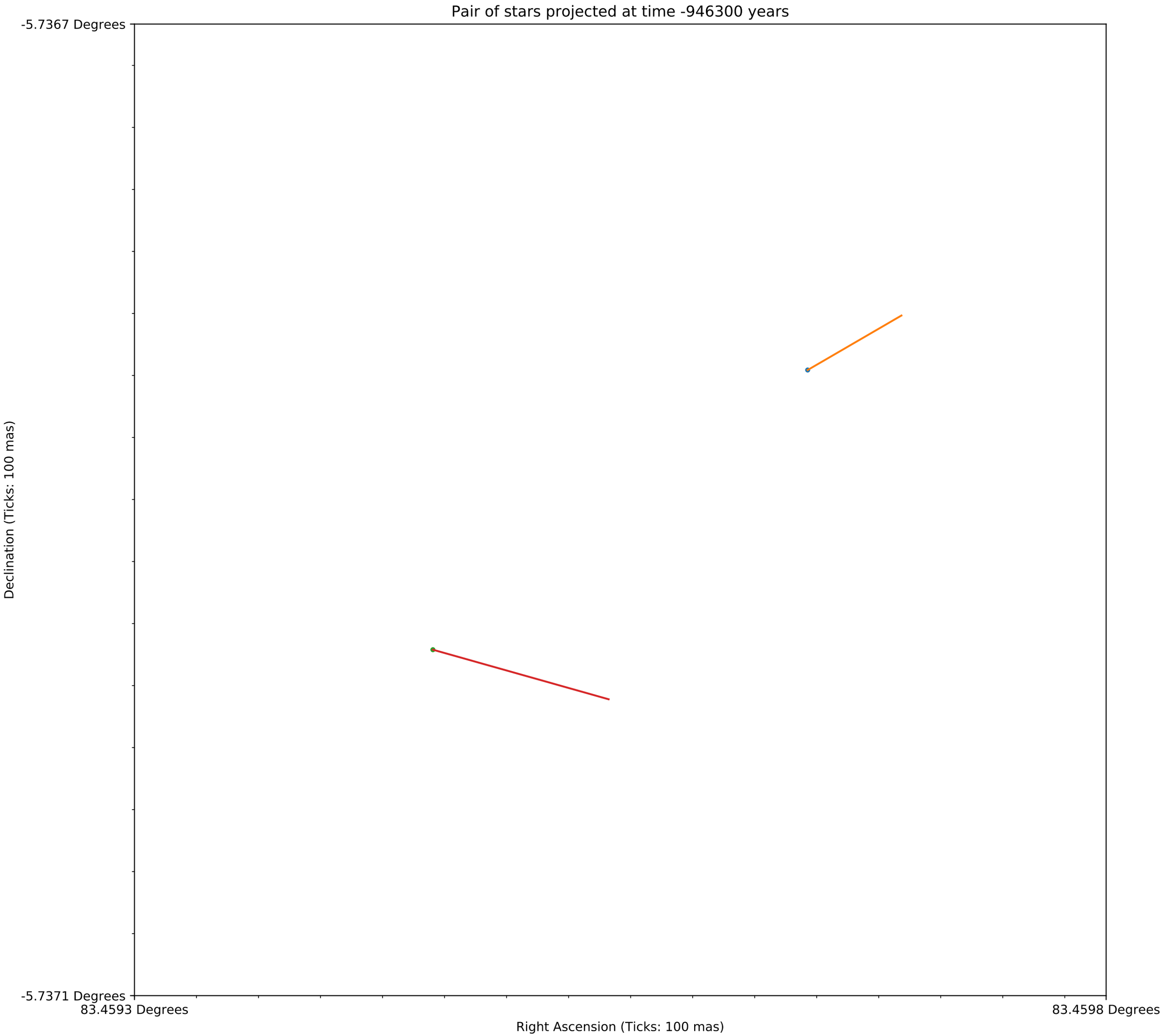
Pair of stars projected at time -930700 years
-6.0773 Degrees
Declination (Ticks: 100 mas)
-6.0777 Degrees
83.8570 Degrees
83.8573 Degrees
Right Ascension (Ticks: 100 mas)

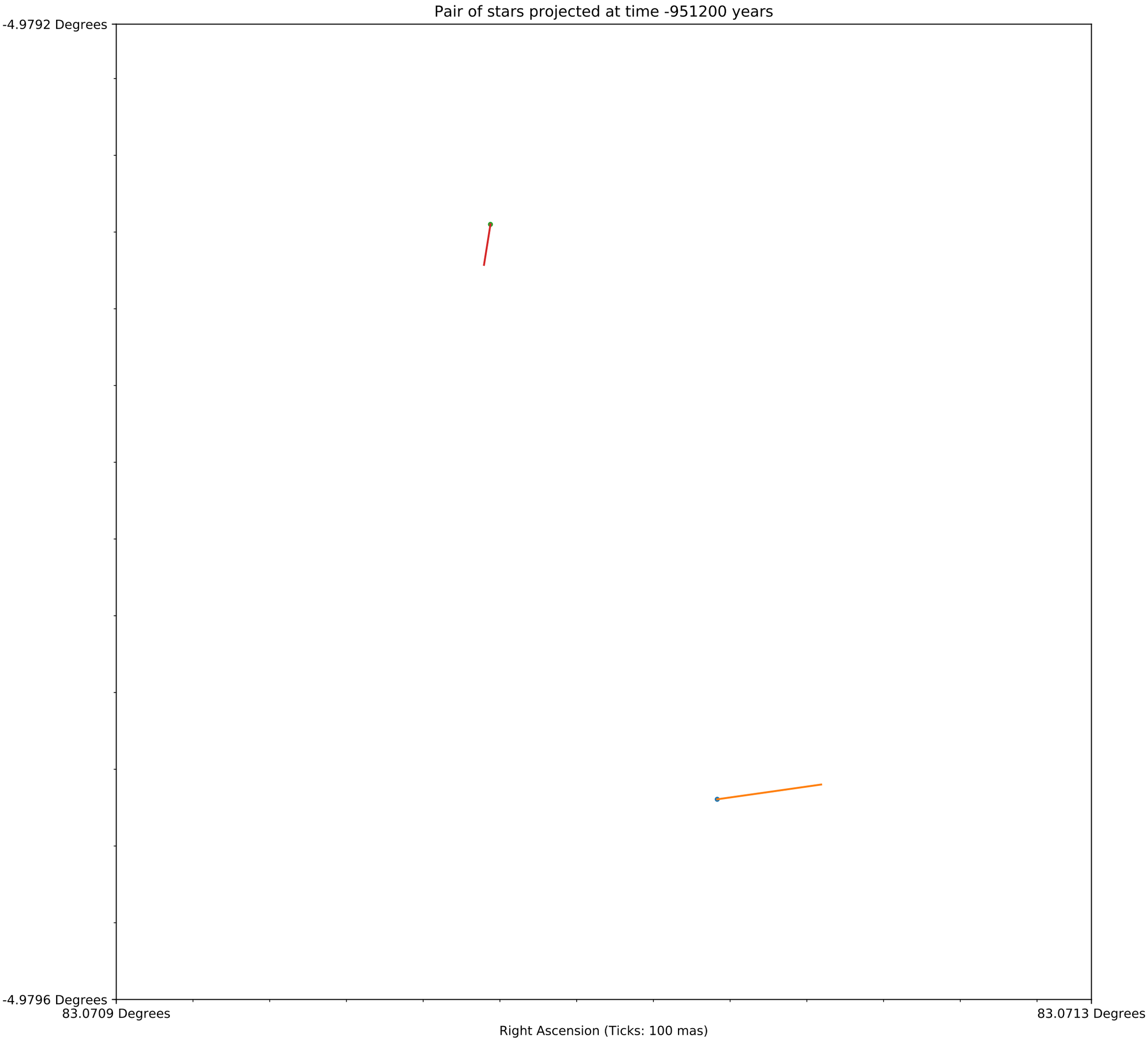
Pair of stars projected at time -930800 years
-4.9693 Degrees
Declination (Ticks: 100 mas)
-4.9697 Degrees
83.2642 Degrees
83.2646 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -938700 years
-5.3849 Degrees
Declination (Ticks: 100 mas)
-5.3854 Degrees
83.7398 Degrees
83.7402 Degrees
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -939700 years
-5.6553 Degrees
-5.6557 Degrees
83.3380 Degrees
83.3384 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

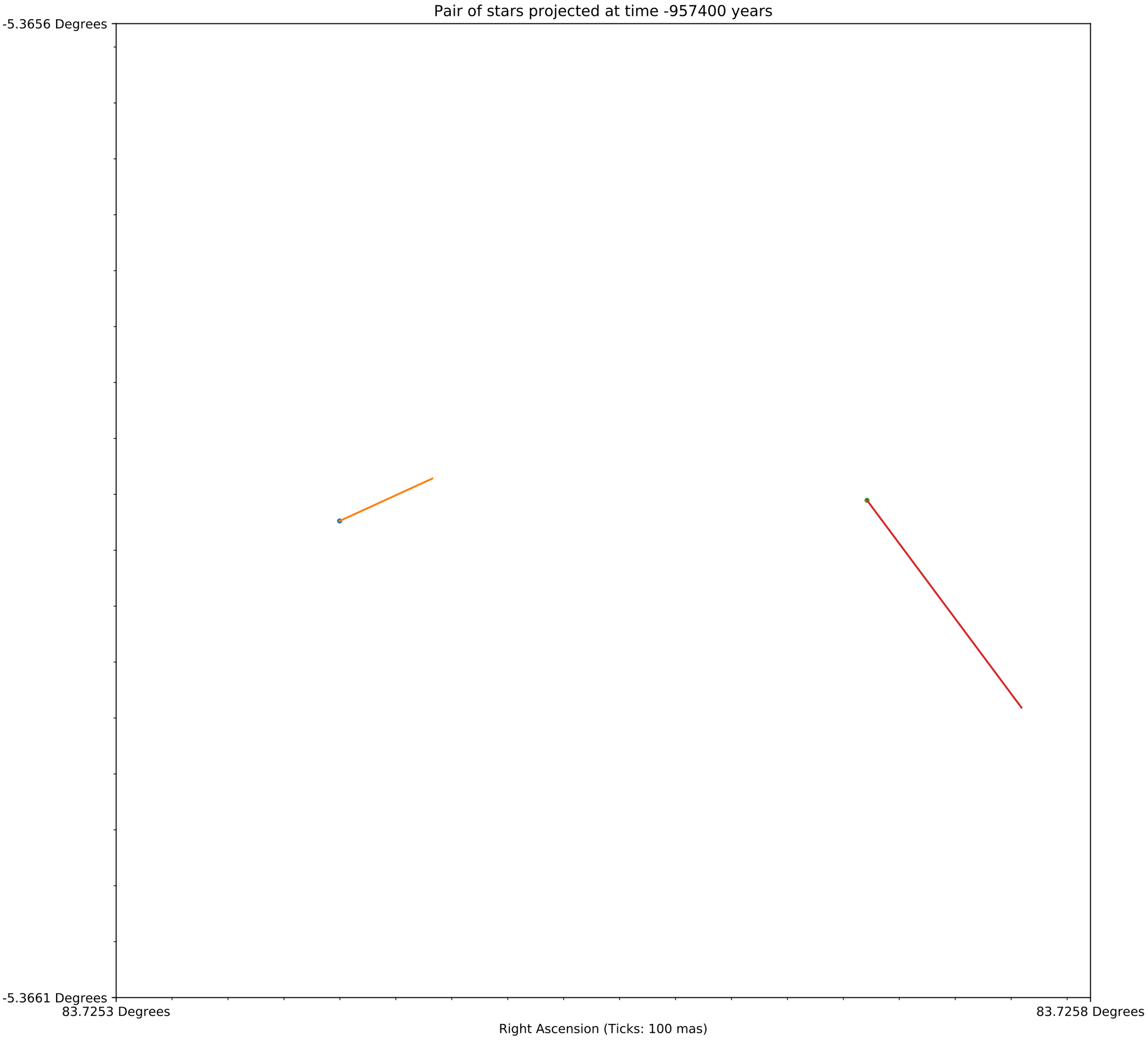
Pair of stars projected at time -941700 years
-5.9091 Degrees
Declination (Ticks: 100 mas)
-5.9096 Degrees
84.2396 Degrees
84.2401 Degrees
Right Ascension (Ticks: 100 mas)

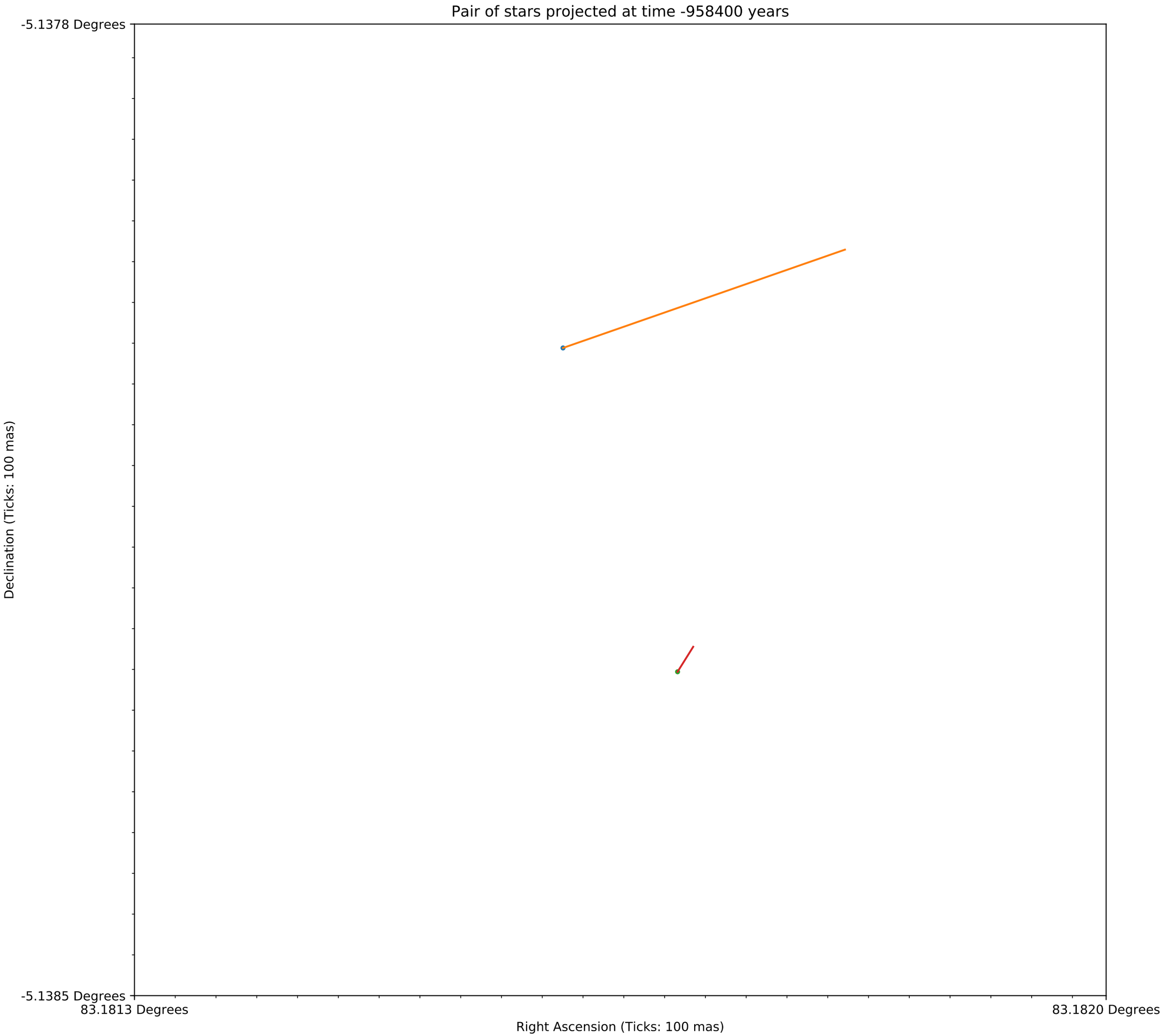

Pair of stars projected at time -946300 years
-5.7367 Degrees
-5.7371 Degrees
83.4593 Degrees
83.4598 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

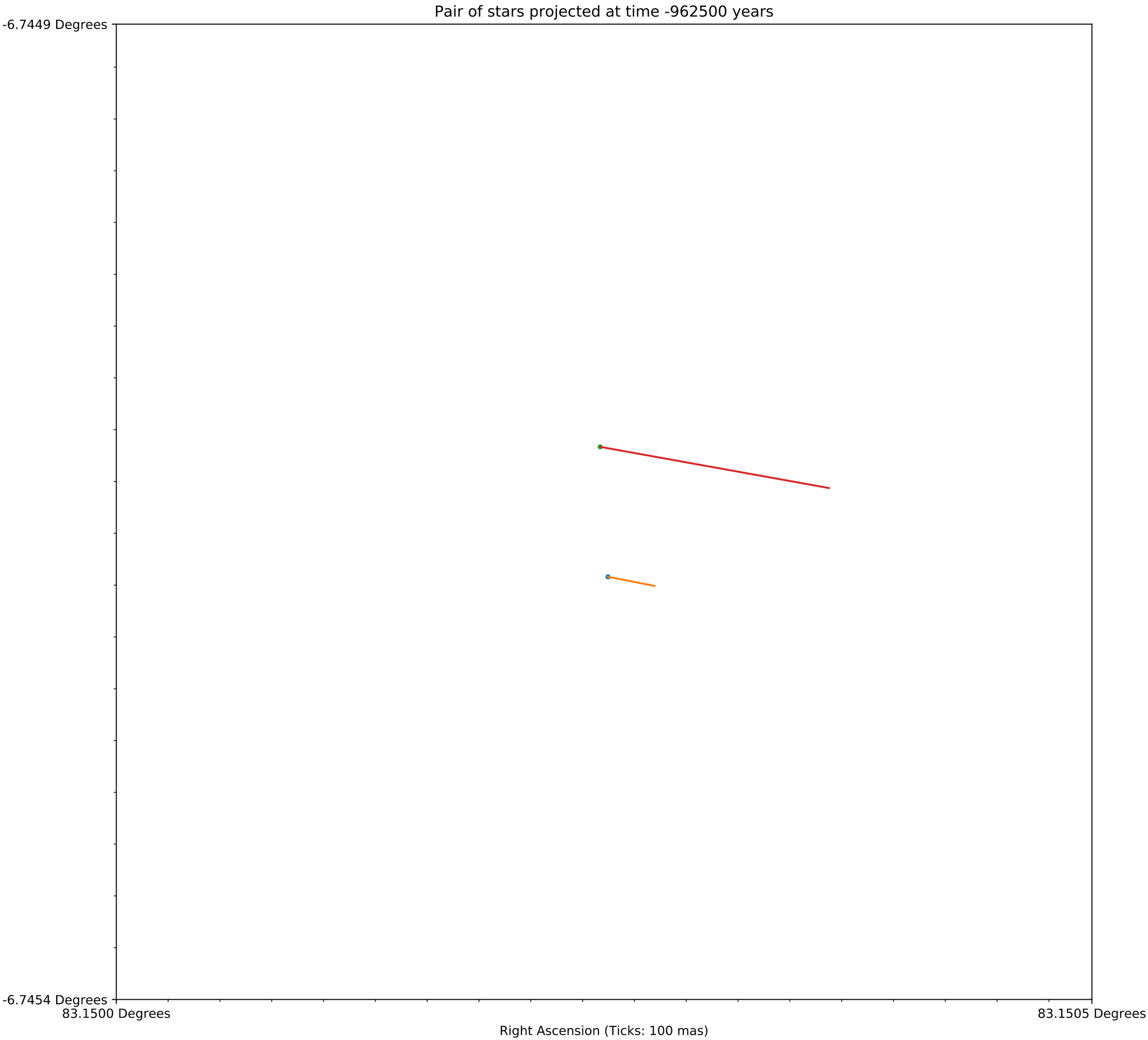

Pair of stars projected at time -951200 years
-4.9792 Degrees
Declination (Ticks: 100 mas)
-4.9796 Degrees
83.0709 Degrees
83.0713 Degrees
Right Ascension (Ticks: 100 mas)

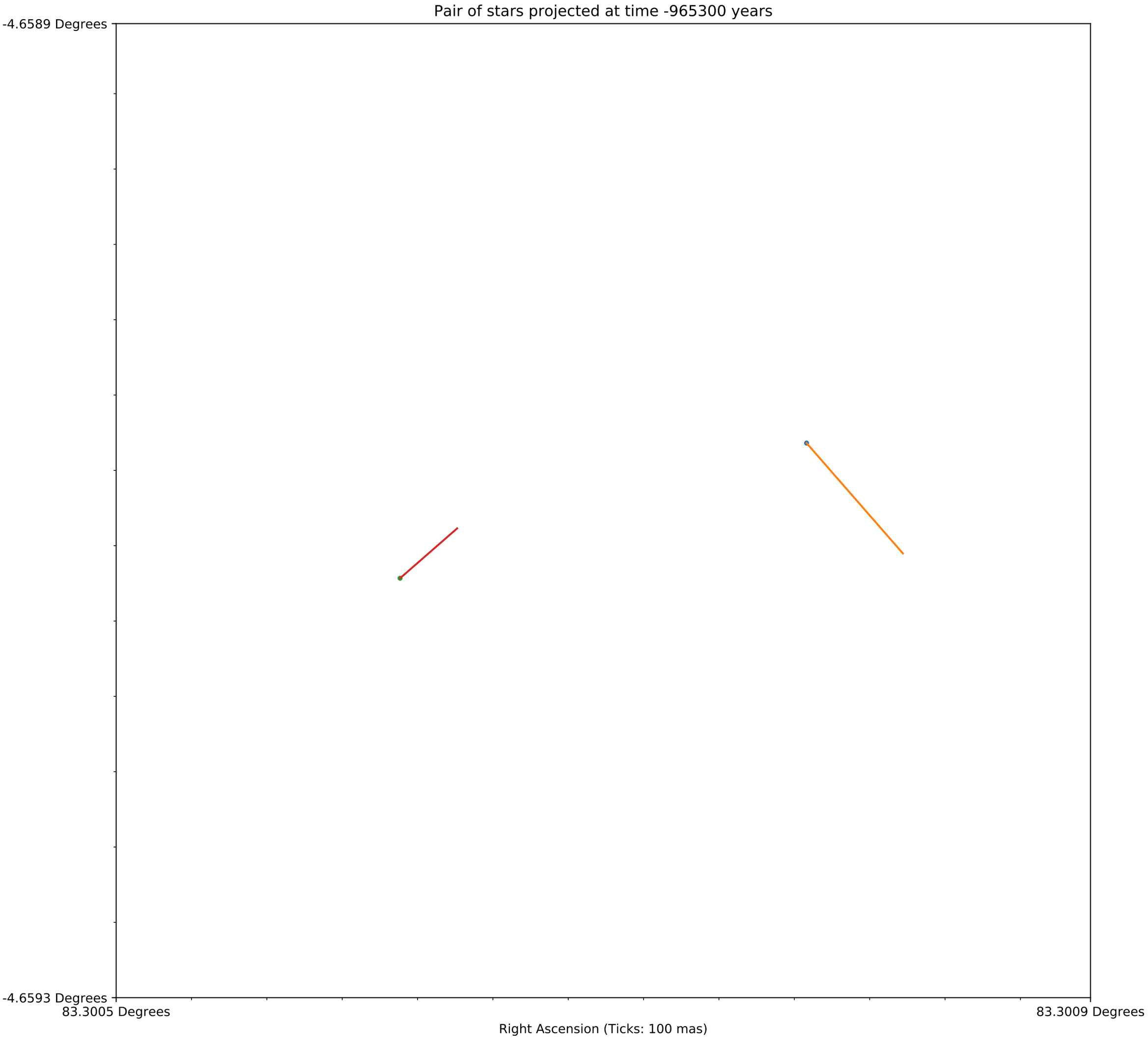
Pair of stars projected at time -954800 years
-5.6621 Degrees
-5.6625 Degrees
83.7937 Degrees
83.7940 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

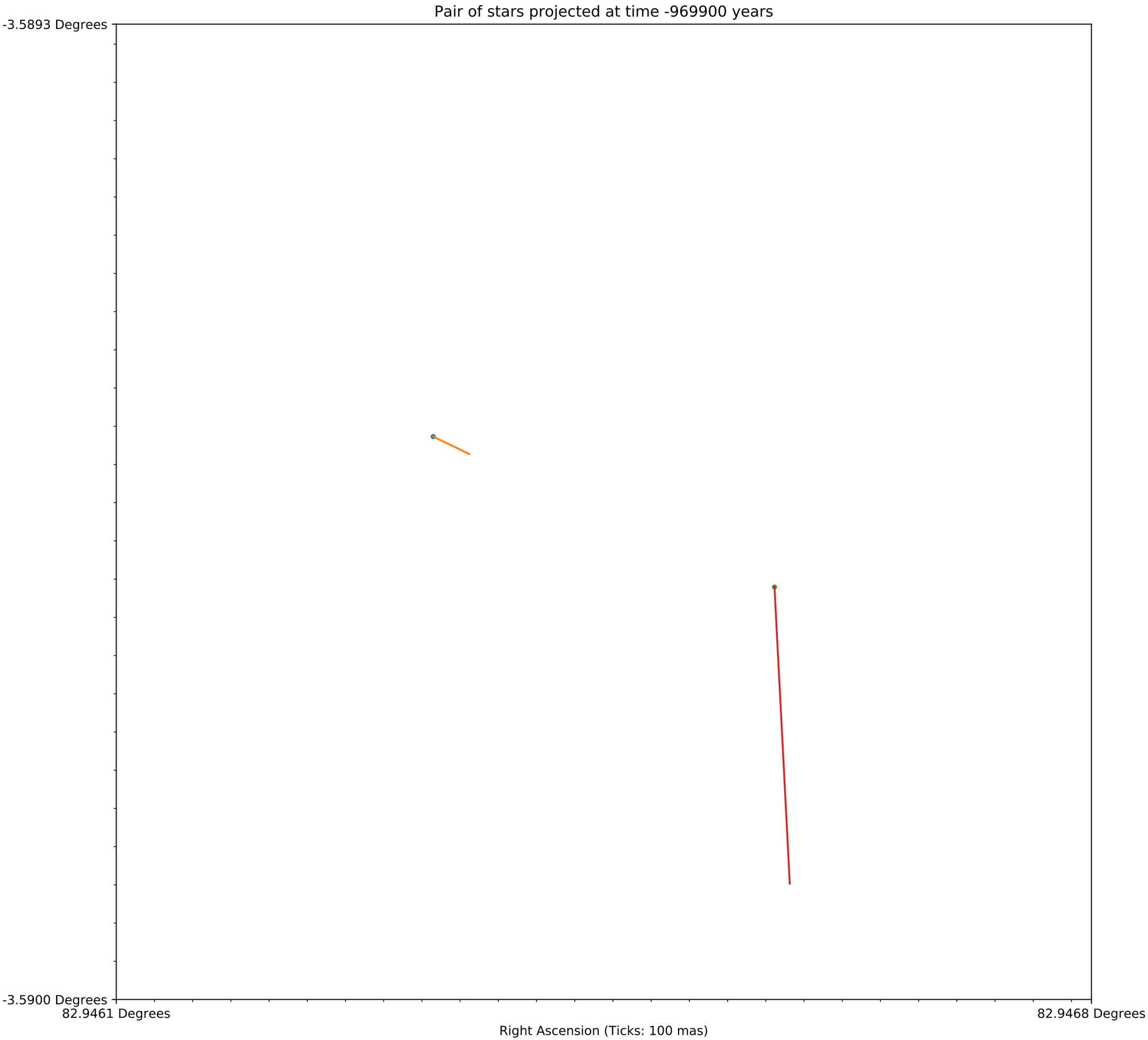
Pair of stars projected at time -955100 years
-3.8312 Degrees
Declination (Ticks: 100 mas)
-3.8318 Degrees
84.3807 Degrees
84.3813 Degrees
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -957400 years
-5.3656 Degrees
Declination (Ticks: 100 mas)
-5.3661 Degrees
83.7253 Degrees
83.7258 Degrees
Right Ascension (Ticks: 100 mas)

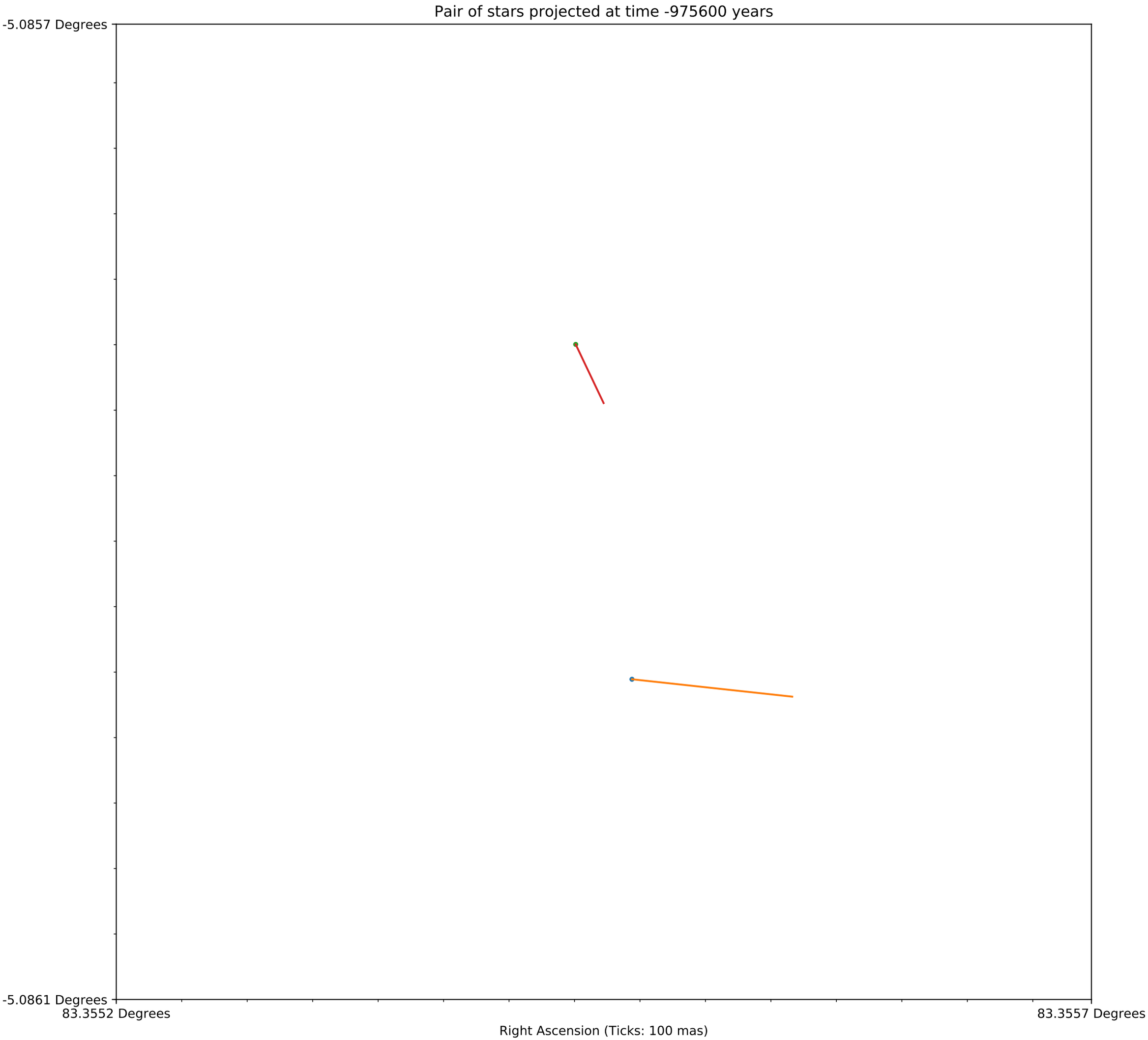

Pair of stars projected at time -958400 years
-5.1378 Degrees
Declination (Ticks: 100 mas)
-5.1385 Degrees
83.1813 Degrees
83.1820 Degrees
Right Ascension (Ticks: 100 mas)

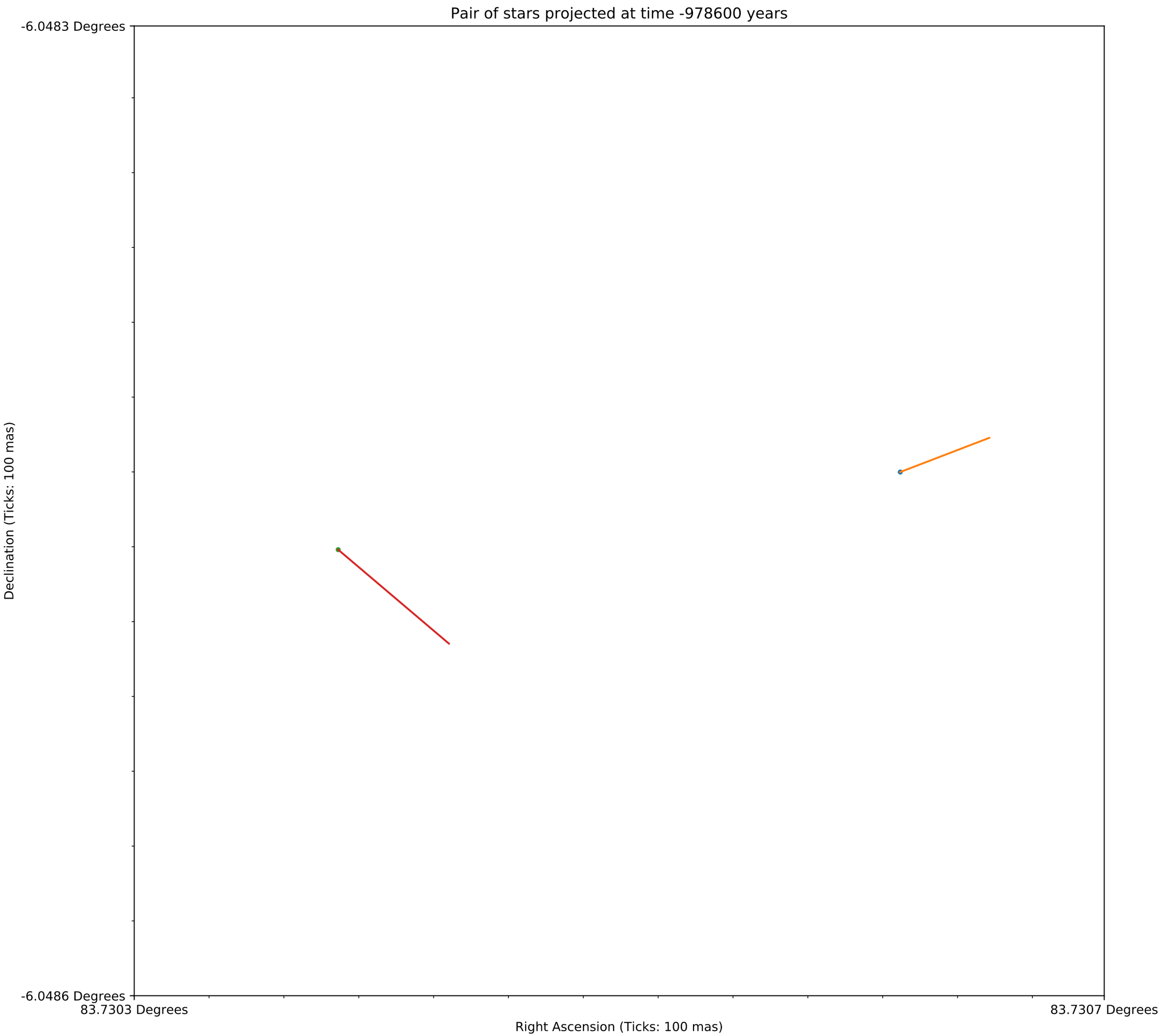

Pair of stars projected at time -962500 years
-6.7449 Degrees
-6.7454 Degrees
83.1500 Degrees
83.1505 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -965300 years
-4.6589 Degrees
-4.6593 Degrees
83.3005 Degrees
83.3009 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -969900 years
-3.5893 Degrees
-3.5900 Degrees
82.9461 Degrees
82.9468 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -971400 years
-5.0221 Degrees
-5.0224 Degrees
83.5176 Degrees
83.5179 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -975600 years
-5.0857 Degrees
-5.0861 Degrees
83.3552 Degrees
83.3557 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)


Pair of stars projected at time -978600 years
-6.0483 Degrees
-6.0486 Degrees
83.7303 Degrees
83.7307 Degrees
Declination (Ticks: 100 mas)
Right Ascension (Ticks: 100 mas)

Pair of stars projected at time -983700 years
-5.7911 Degrees
Declination (Ticks: 100 mas)
-5.7916 Degrees
84.5376 Degrees
84.5381 Degrees
Right Ascension (Ticks: 100 mas)