

571	C-----SOURCE AT PZ LOCATIONS	1362	
572	00F5A8I DO 312 I=IS,IT	1363	491
573	00F5C0I DO 312 J=JS,JT	1364	492
574	00F5D8I DO 312 K=KS,KT	1365	493
575	00F5F0I DENT=DEN(I,J,K)	1366	494
576	00F610I DENS=DEN(I,J,K-1)	1367	495
577	00F64AI DENN=0.25*(DEN(I,J,K)+DEN(I,J,K-1)+DEN(I,J+1,K)+DEN(I,J+1,K-1))	1368	496
578	00F6FAI DENS=0.25*(DEN(I,J,K)+DEN(I,J,K-1)+DEN(I,J-1,K)+DEN(I,J-1,K-1))	1369	497
579	00F7AAI DEVE=0.25*(DEN(I,J,K)+DEN(I,J,K-1)+DEN(I+1,J,K)+DEN(I+1,J,K-1))	1370	498
580	00F73AI DENW=0.25*(DEN(I,J,K)+DEN(I,J,K-1)+DEN(I-1,J,K)+DEN(I-1,J,K-1))	1371	499
581	00F90AI JT=U(I,J,K)	1372	500
582	00F93AI UB=U(I,J,K-1)	1373	501
583	00F96AI UN=0.25*(U(I,J,K)+U(I,J,K-1)+U(I,J+1,K)+U(I,J+1,K-1))	1374	502
584	00FA14I US=0.25*(U(I,J,K)+U(I,J,K-1)+U(I,J-1,K)+U(I,J-1,K-1))	1375	503
585	00FAC4I UE=0.25*(U(I,J,K)+U(I,J,K-1)+U(I+1,J,K)+U(I+1,J,K-1))	1376	504
586	00FB74I UW=0.25*(U(I,J,K)+U(I,J,K-1)+U(I-1,J,K)+U(I-1,J,K-1))	1377	505
587	00FC24I VT=V(I,J,K)	1378	506
588	00FC50I VB=V(I,J,K-1)	1379	507
589	00FC7EI VN=0.25*(V(I,J,K)+V(I,J,K-1)+V(I,J+1,K)+V(I,J+1,K-1))	1380	508
590	00FD2EI VS=0.25*(V(I,J,K)+V(I,J,K-1)+V(I,J-1,K)+V(I,J-1,K-1))	1381	509
591	00FD5EI VE=0.25*(V(I,J,K)+V(I,J,K-1)+V(I+1,J,K)+V(I+1,J,K-1))	1382	510
592	00FE8EI VW=0.25*(V(I,J,K)+V(I,J,K-1)+V(I-1,J,K)+V(I-1,J,K-1))	1383	511
593	00FF3EI WT=W(I,J,K)	1384	512
594	00FF6AI WB=W(I,J,K-1)	1385	513
595	00FF9BI WN=0.25*(W(I,J,K)+W(I,J,K-1)+W(I,J+1,K)+W(I,J+1,K-1))	1386	514
596	010048I WS=0.25*(W(I,J,K)+W(I,J,K-1)+W(I,J-1,K)+W(I,J-1,K-1))	1387	515
597	0100F8I WE=0.25*(W(I,J,K)+W(I,J,K-1)+W(I+1,J,K)+W(I+1,J,K-1))	1388	516
598	0101A8I WW=0.25*(W(I,J,K)+W(I,J,K-1)+W(I-1,J,K)+W(I-1,J,K-1))	1389	517
599	010258I CXQ=0.5*(CX(I,J,K)+CX(I,J,K-1))	1390	518
600	010252I EXQ=0.5*(EX(I,J,K)+EX(I,J,K-1))	1391	519
601	01030CI SXQ=0.5*(SX(I,J,K)+SX(I,J,K-1))	1392	520
602	010366I CYQ=0.5*(CY(I,J,K)+CY(I,J,K-1))	1393	521
603	0103C0I EYQ=0.5*(EY(I,J,K)+EY(I,J,K-1))	1394	522
604	010414I SYQ=0.5*(SY(I,J,K)+SY(I,J,K-1))	1395	523
605	010474I CZQ=0.5*(CZ(I,J,K)+CZ(I,J,K-1))	1396	524
606	0104CEI EZQ=0.5*(EZ(I,J,K)+EZ(I,J,K-1))	1397	525
607	010528I SZQ=0.5*(SZ(I,J,K)+SZ(I,J,K-1))	1398	526
608	010582I CE=DENE*(UE*CXQ+VE*CYQ+WE*CZQ)	1399	527
609	010586I CW=DENW*(UW*CXQ+VW*CYQ+WW*CZQ)	1400	528
610	0105E4I CN=DENN*(UN*EXQ+VN*EYQ+WN*EZQ)	1401	529
611	01061EI CS=DENS*(US*EXQ+VS*EYQ+WS*EZQ)	1402	530
612	010652I CT=DENT*(UT*SXQ+VT*SYQ+WT*SZQ)	1403	531
613	010686I CB=DENS*(UB*SXQ+VB*SYQ+WB*SZQ)	1404	532
614	01063AI SP(I,J,K)=-(CE-CW+CN-CS+CT-CB)*(TJO(I,J,K-1)+TJC(I,J,K))*0.5	1405	533
615	010762I 312 CONTINUE	1406	534
616	C-----LINK COEFF. AND SOURCE TERM AT CELL CENTER	1407	
617	0107AAI DO 100 I=IS,IT	1408	535
618	0107C2I DO 100 J=JS,JT	1409	536
619	0107D4I DO 100 K=KS,KT	1410	537
620	0107F2I II=I-1	1411	538
621	010800I JJ=J-1	1412	539
622	01080EI KK=K-1	1413	540
623	01081CI GAE=(DU(I,J,K)+DU(I,J,K)+DU(I,J,KK)+DU(I,J,KK))*0.25	1414	541
624	0108C0I GAW=(DU(II,J,K)+DU(II,J,K)+DU(II,J,KK)+DU(II,J,KK))*0.25	1415	542
625	010964I GAN=(DU(I,J,K)+DU(II,J,K)+DU(I,J,KK)+DU(II,J,KK))*0.25	1416	543
626	010A08I GAS=(DU(I,J,K)+DU(II,J,K)+DU(I,J,KK)+DU(II,J,KK))*0.25	1417	544
627	010AACI GAT=(DU(I,J,K)+DU(II,J,K)+DU(I,J,KK)+DU(II,J,KK))*0.25	1418	545